

REPUBLIC OF KENYA



KISII COUNTY GOVERNMENT



ARAB BANK FOR ECONOMIC
DEVELOPMENT IN AFRICA



SAUDI FUND FOR
DEVELOPMENT



MINISTRY OF HEALTH

TENDER DOCUMENT FOR

**PROPOSED CANCER CENTRE AT
THE KISII TEACHING AND REFERRAL HOSPITAL**

**SUPPLYING, COMMISSIONING, OPERATION,
MAINTENANCE AND HANDOVER OF HOSPITAL
EQUIPMENT**

**FORM OF TENDER
BILL OF QUANTITIES**

TENDER NO.: MOH/NCCP/ICB/001/2021-2022

Volume IV(b) of VI

CLOSING DATE: WEDNESDAY, 24TH NOVEMBER 2021 AT 11.00 A.M. LOCAL TIME

SCHON ASSOCIATES



NARCO ENGINEERING
CONSULTANTS



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FORM OF TENDER

Date:

.....

Invitation of Tenders No.:

.....

To: *[Name of the Employer /Issuer of Invitation
of Tenders] [Address of the Employer
/Issuer of Invitation of Tenders]*

Dear Sirs,

Subject: *Invitation of Tenders No.....*
For *[Name of Project]*

1. Having examined the tender documents, including, in particular, the Conditions of Contract, the Specifications, Drawings and Bills of Quantities *[as well as Addenda Nos.and..... , if any]* we, the undersigned, offer to supply and install *[insert description of the Works]* (hereinafter referred to as the Works) and to remedy any defects therein, all in conformity with the said tender documents for the sum of:

.....
[Insert amount in figures]
.....

[Insert amount in words]

or such other sum as determined in accordance with the said Conditions of Contract and other documents of such contract as may be concluded between us.

2. We undertake, if our Tender is accepted, to commence the Works as soon as reasonably possible after receipt of the Engineer's notice to commence and to complete the whole of the Works within the Time for Completion.

3. We undertake, if our Tender is accepted, to provide a performance security in an amount equivalent to percent of the Contract Price for the due performance of the Contract, such performance security being in accordance

with the requirements stated in the tender documents and the form prescribed therein.

4. We agree to abide by this Tender for a period of 120 days from the closing date for the submittal of tenders, and this Tender shall remain valid and binding upon us for the said duration and may be accepted by you at any time before expiry of the period stated.

5. Until a formal contract is prepared and executed, this Tender and your written acceptance thereof shall constitute a binding contract between us.

6. We confirm that we recognize that you are not bound to accept the lowest or any other bid received by you.

Yours truly,

[Name of Tenderer]
By: *[Signature of Authorized Representative]* *[Name of Authorized Representative]*
[Designation/Capacity]

Witness: *[Signature]*
[Name] [Occupation] [Address]

PREAMBLE TO BILLS OF QUANTITIES

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, together with all general risks, liabilities, and obligations set out or implied in the Contract.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
6. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with the General Conditions of Contract.
8. The method of measurement of completed work for payment shall be in accordance with *the Standard Specifications and Special Specifications*.
9. Any arithmetic errors in computation or summation will be corrected by the Employer as follows:
 - (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - (b) where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.
10. Bidders shall price the Bill of Quantities in United States Dollars.

BILL OF QUANTITIES

LOT 1: OUTPATIENT EQUIPMENT

CONSULTING ROOMS				
S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
1	Bed head units - (O2, VAC, 4 socket outlets, light, Voice & data outlets, Nurse call system)	4		
2	Examination couch	4		
3	Defibrillator	1		
4	Patient monitor	4		
5	Emergency Trolley	2		
6	Diagnostic set (Wall mounted)	4		
7	Blood pressure Machine (Wall Mounted)	4		
8	Electrical suction machines	3		
9	Wall mounted Examination lights	4		
10	Oxygen flow meters	4		
11	Computer systems with X-ray Viewing capability (HIS)	4		
12	Clinical Review table, Chair and Patient Chair	4		
13	Stethoscopes	8		
14	Wall suction units	4		
15	X-ray viewer	4		
DRESSING AND TREATMENT ROOM				
16	Procedure trolley	2		
17	Portable electrical suction units	2		
18	Examination couch	2		
TRIAGE (2No.)				
19	Vital signs monitor	2		
20	Weighing Scale	2		
21	Blood pressure Machine	2		
22	Thermometer	5		
SUB-TOTAL				

LOT 2: ONCOLOGY (RADIOTHERAPY) EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	CT-SIMULATOR			
1	CT-Simulator	1		
	CANCER TREATMENT			
2	Digital Linear Accelerator	1		
3	Brachytherapy Unit	1		
4	Anaesthetic machines	1		
5	Brachytherapy Table	1		
6	General Purpose Suction Unit	1		
7	Operation Light (LED)	1		
8	Patient Trolley	2		
9	Emergency Trolley	1		
10	Patient monitor	1		
11	Infusion Pump	2		
12	Oxygen Humidifier	1		

LOT 3: IMAGING EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	CT-SCANNER ROOMS			
1	1.5T MRI	1		
2	Injector Pump	1		
3	Patient Monitor	1		
	GENERAL X-RAY ROOMS			
4	Digital general system with fluoroscopy x-ray (Dynamic DR)	1		
5				
6	LEAD GLASS	2		
7	LEAD APRONS with hangers	15		
	ULTRASOUND ROOMS			
8	Premium Ultrasound system (With Cardiac Echo)	1		
9	High-end ultrasound systems	1		
10	Portable ultrasound	1		
11	Ultrasound examination couches	2		
12	Biopsy systems for prostates	5		
	MAMMOGRAPHY			
13	Mammography Unit	1		
	C-ARM			
14	Digital C-Arm	1		
	SPECT CT			
15	SPECT CT	1		
16	Medical Gases outlets on BHU (O2, MA, VAC, N2O in CT room and SPECT CT). Uptake and Assessment rooms to have BHU with O2 and VAC and Voice and data points	10		
17	Voice and data points			
18	Emergency Trolley	1		
19	Wheelchairs	2		
20	Patient stretchers	2		
21	Portable Electric suction units	1		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
22	MDC PACS integrated with HIS			
SUB-TOTAL				

LOT 4: ONCOLOGY (CHEMOTHERAPY) EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	CHEMOTHERAPY			
1	Bed head units (O2, VAC, 4 socket outlets, light, Voice & data outlets, Nurse call system)	25		
2	Examination light	25		
3	Defibrillator	1		
4	Vital Signs Monitor	3		
5	Oxygen Flow meters	5		
6	Wall suction Units	4		
7	Portable Electrical Suction Units	2		
8	Patient Lifting Hoist	2		
9	Patient Trolley with side rails	3		
10	Patient Weighing scale	2		
11	Aneroid Sphygmomanometer	4		
12	Stethoscope	4		
13	Thermometer	5		
14	Emergency Trolley	1		
15	Biosafety cabinet + accessories	1		
16	Infusion pumps	5		
17	Syringe Pumps	25		
18	Patient Beds	10		
19	Reclining Chairs	15		
			SUB-TOTAL	

LOT 5: INPATIENT SERVICES EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	GENERAL WARD BED REQUIREMENTS			
1	Bed head units (4 No. 13A socket outlets Medical Gases - Oxygen, Vacuum, Examination lights, Reading Light, Night Light, Nurse Call System, Voice and Data)	42		
2	Oxygen flow meters	20		
3	Wall Suction Units	15		
4	Ward bed complete with drip stand, Bedside locker and over-bed table	42		
5	Drip stand (Portable)	8		
6	Thermometers (Digital)	50		
7	Blood pressure Machine (Aneroid)	10		
	GENERAL WARD REQUIREMENTS			
8	Wheelchairs	5		
9	Vital signs monitors	5		
10	Diagnostic sets	10		
11	Portable Electric suction units	5		
12	Nebulizers	5		
13	Macerators	1		
14	Commode chairs	3		
15	X-ray viewer	2		
16	Emergency Trolley	2		
17	Procedure trolley	3		
18	Fluid warmer	3		
19	Patient Trolleys	3		
20	Defibrillator	2		
	PAEDIATRICS WARD REQUIREMENTS			
21	Baby cots	4		
22	Reclining chairs	4		
23	Radiant heaters	4		
24	Portable Examination lamp	4		
25	Weighing Scale	2		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
SUB-TOTAL				

LOT 6: DIAGNOSTIC LABORATORIES EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	ROUTINE LABORATORY			
1	Binocular Microscope	6		
2	Electron microscope	1		
3	Incubator/Oven	2		
4	Laminar Flow Hood	2		
5	Fridge (2 to 8 deg)	5		
6	Freezer (-20 deg)	2		
7	Autoclave	2		
8	Centrifuge refrigerated	3		
9	Water bath	2		
10	Block heaters	2		
11	Microtomes	2		
12	Tissue Embedding Station	1		
13	Tissue Processors	1		
14	Paraffin Dispenser	1		
15	Staining station/Automated slide Stainer	1		
16	Thermometer, glass, min/max -20°C/100°C	4		
17	Thermometer, min/max -30°C/60°C	4		
18	Timer, 60 min, mechanical	2		
19	Timer, digital	2		
20	Stainer	1		
21	Immunoassay system	1		
22	Immunofluorescence Microscope with Digital camera	1		
23	Coagulometer	1		
24	Balance electronic	2		
25	Cabinets with wash sink (10m,8m,4m), PRICE PER M2			
26	Hematology Analyzer	1		
27	Biochemistry analyzer	1		
28	Immune analyzer	1		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
29	Electrophoresis unit	1		
30	Electrolyte Analyzer	1		
31	Blood gas analyzer	1		
32	Centrifuge	3		
33	Refrigerator	1		
34	Histology equipment (microtome)	2		
35	Vortex mixer	4		
36	Digital weighing scale	1		
37	pH meter	2		
38	Flow cytometer	0		
39	Roller/shaker mixer	2		
40	Blood donor chairs	10		
41	QBC WITH FLOURECENT MICROSCOPE	1		
42	Lab Distiller	1		
43	Lab deionizer	1		
44	Blood bank	1		
45	BACTEC FOR TB	1		-
46	CULTURE SENSITIVITY MACHINE	1		
47	AUTOMATED DNA/RNA SAMPLE PREP	1		
48	REAL TIME PCR	1		
49	MULTIPLEX REALTIME PCR	1		
50	THERMOCYCLER	1		
51	GENETIC SEQUENCER	0		
52	Slide Scanner	1		
53	BLOODCULTURE Machine	1		
	BLOOD TRANSFUSION UNIT/BLOOD BANK			
54	Refrigerator, Blood bank	1		
55	Deep Freezer -20°C	1		
56	Light Microscope	2		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
57	Platelet Agitator	2		
58	Cryo Bath	1		
59	Water bath	1		
60	Cold Room	1		
61	Blood Donor Units & Couches	5		
62	Blood Components Separation Equipment	2		
63	Micro Pipettes - single -channel	5		
64	Micro Pipettes - Multi -channels	5		
SUB-TOTAL				

LOT 7: PHARMACY EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	PHARMACY			
1	Pharmaceutical refrigerators	3		
2	Balance, Precision	4		
3	Balance, Heavy duty	2		
4	Tablet Counter	2		
5	DDA cupboards	2		
6	Rapid vial reconstitution mixer	1		
7	Slow vial shaker	1		
8	Laminar flow system	1		
9	Electronic weighing scale	2		
10	Pestle & Motor	2		
SUB-TOTAL				

LOT 8: OPERATION THEATRES EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
2 GENERAL SURGERY				
1	Anaesthetic machines	4		
2	Operation tables (with kidney Bridge)	3		
3	Operation theatre LED lights with inbuilt IP Camera & voice capability)	2		
4	Electrosurgical units (with bipolar resection capability)	4		
5	Digital X-ray viewer	4		
6	Electrocautery LEEP Machine	1		
7	Thermo-Ablation Device	1		
8	Cryotherapy Unit	1		
9	Single arm Anesthetic Theatre Pendants with complete sets of double Medical gases (Oxygen, Medical air, Nitrous Oxide, Surgical Air, Vacuum, Carbon dioxide, AGSS), at least 12No. 13A socket outlets, both mains and UPS supported, at least two sets of voice and data outlets with one shelf withdrawal and two infusion poles (CHANGE TO BHU)	2		
10	Double arm Surgical Theatre Pendants with complete sets of double Medical gases (Oxygen, Medical air, Nitrous Oxide, Surgical Air, Vacuum, Carbon dioxide, AGSS), at least 12No. 13A socket outlets, both mains and UPS supported, at least two sets of voice and data outlets. Monitor arm and 4 shelves, one shelf withdrawal and side railings + infusion pole	2		
THEATRE RECOVERY				
11	Bed head units (10 No. 13A socket outlets Medical Gases -Oxygen and Vacuum Examination lights, Voice and data)	4		
12	Fluid warmer	2		
13	Table flash Autoclave	2		
14	Patient Trolleys	8		
15	Patient monitors	4		
16	Transport Patient Monitors	2		
17	Refrigerators	2		
18	Instrument Trolleys	4		
19	Resuscitaire	2		
20	Defibrillator	2		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
21	Gas Plasma sterilizer	1		
22	C-Arm	1		
23	Syringe pumps	10		
24	Infusion pumps	10		
25	operation microscope (Transplant Procedures)	1		
26	Endoscopy tower	1		
27	Complete Laparoscopic towers with 4K image quality (Either on pendant or trolley)	1		
SUB-TOTAL				

LOT 9: INTENSIVE CARE UNIT (CRITICAL CARE) EQUIPMENT

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	CRITICAL CARE UNIT (BED REQUIREMENT)			
1	Patient monitor	4		
2	Ventilators	5		
3	Neonatal Ventilators	2		
4	Patient bed	4		
5	Stethoscope	4		
6	Autoclavable laryngoscopes	3		
7	Bair Hugger	4		
8	Bed side Chatting computers (Paperless ICU)	6		
9	Blood Sugar Machines	1		
10	Blood warmers	2		
11	Pendants, with relevant supplies and utilities	6		
12	Pacemakers	2		
13	CRRT Machines/CPFA	2		
14	Drug Fridges	1		
15	Food Fridge	1		
16	Endoscopic laryngoscope	1		-
17	Non-Invasive ventilators	2		
18	Diagnostic set	4		
19	Plasma sterilizer	1		
20	Pneumatic Pumps	3		
21	Portable Examination lamp	2		
22	Defibrillator	1		
23	Transport monitors	1		
24	Transport ventilators	2		
25	Syringe pumps	12		
26	Infusion pumps	8		
27	Feeding pumps	4		
28	12 lead ECG machine	1		

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
29	Endoscopy machine	1		
30	Mobile X-ray	1		
31	Electrical suction units	2		
32	Central monitoring system (Set based on the total number of beds to be installed)	1		
33	Emergency Trolley	1		
34	General purpose Trolley	4		
35	Dressing Trolley	4		
36	Patient Trolleys	2		
37	Baby Cots	2		
38	CPAP machine	2		
39	Ripple mattress (to be included in Beds)	0		
40	Transport resuscitation kit	2		
	ICU LAB			
41	Blood Gas Analyzer	1		
SUB-TOTAL				

LOT 10: BIOMEDICAL CALIBRATION EQUIPMENT

S/NO	SECTION	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
		BIOMEDICAL WORKSHOP			
1.		Medical Gases supplies for testing equipment (O2, N2O, MA)	1		
2.		Electronic Tool Box	5		
3.		Variable output isolation transformer	1		
4.		Vital Signs Monitor Analyzer	1		
5.		Defibrillator Analyzer	1		
6.		Electrical Safety Analyzer	1		
7.		Gas Flow Analyzer	2		
8.		Oxygen Analyzer	1		
9.		Electro Surgical Analyzer	1		
10.		Radiation Analyzer	1		
11.		Infusion and Syringe Pump Analyzer	1		
12.		Ultrasound Wattmeter	1		
13.		Medical Scope Meter Oscilloscope	1		
				SUB-TOTAL	

**LOT 11: CENTRAL STERILIZATION SUPPLIES DEPARTMENT
(CSSD)**

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	STERILIZATION UNIT			
1	Autoclave	2		
2	Washer Disinfection	1		
3	Ultrasonic washer unit	1		
4	Disassembling and sorting Table	1		
5	Water Jet SYSTEM	1		
6	Hydrogen Peroxide Low Temperature Plasma Sterilizer	1		
7	Working table (stainless steel)	1		
8	Packaging and sorting Table	2		
9	Cart/ Cabinet for storage and excreting sets	1		
10	Package sealing machine	2		
11	Pressure steam gun/ Water for cart washing	1		
12	Carrying Carts and shelves (stainless steel) for storage.	4		
SUB-TOTAL				

LOT 12: INSTRUMENTS

S/NO.	DESCRIPTION	QTY	UNIT PRICE (USD)	TOTAL (USD)
1.	Basic Surgery set / Minor tray	1		
2.	Dressing set	1		
3.	Laparotomy set	1		
4.	Suture set	1		
5.	Examination/suturing, vaginal/cervical set	1		
6.	Catheter placement set	1		
7.	Basic Rectal Surgery set	1		
8.	Cervix Conization set	1		
9.	Vaginal Hysterectomy set	1		
10.	Abdominal Hysterectomy set	1		
11.	Prostatectomy set	1		
12.	Tracheostomy set	1		
13.	Urology set	1		
14.	Lumbar Puncture set, Adult	1		
15.	Lumbar Puncture set, Pediatrics	1		
16.	Pleural Biopsy set	1		
17.	Mastectomy set	1		
18.	Gynecologic biopsy set	1		
19.	Lobectomy and segmental lung set	1		
20.	Thoracotomy set	1		
SUB-TOTAL				

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
1	Basic Surgery set / Minor tray			
	4 x Clamp, towel, Backhaus, 130 mm			
	2 x Forceps, tissue seizing, Allis, 150 mm			
	6 x Forceps, artery, Halsted-Mosquito, 125 mm, curved			
	1 x Forceps, artery, Kocher, 140 mm, straight			
	1 x Forceps, dressing, standard, 155 mm, straight			
	1 x Forceps, tissue holding, Collin, 160 mm			
	1 x Forceps, tissue, standard, 145 mm, straight			
	1 x Forceps, dressing & polypus, Cheron, 250 mm			
	1 x Needle holder, Mayo-Hegar, 180 mm, straight			
	1 x Probe, double-ended, 145 mm			
	1 x Retractor, Farabeuf, double-ended, 120 mm, pair			
	2 x Scalpel handles: number 3 and 4, one each			
	1 x Scissors, Metzenbaum, 140 mm, curved, blunt/blunt			
	1 x Scissors, Mayo, 140 mm, curved, blunt/blunt			
	1 x Bowl, stainless steel, 180 ml			
	2 x Dishes, kidney type			
	1 x Forceps Rampleys, sponge holding			
	1 X Surgical Trolley			
2	Dressing set			
	1 x Forceps, artery, Kocher, 140 mm, str			
	1 x Forceps, dressing, standard, 155 mm, str			
	1 x Scissors, Deaver, 140 mm, str, s/b			
	2 x Dishes, kidney type			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Surgical Trolley			
3	Laparotomy set			
	4 x Forceps, Ring c and r			
	2 x Babcock clamps			
	1 x Needle holder, Mayo-Hegar, straight, small, medium and large			
	1 x Forceps, dressing, standard, 155 mm, straight			
	1 x Forceps, dressing, standard, 250 mm, straight			
	1 x Dissecting Forceps, teeth, fenestrated, long and short			
	1 x Dissecting Forceps, large non teeth			
	1 x Retractor, Farabeuf, double-ended, 180 mm, pair			
	1 x Retractor, abdominal, Balfour, 3 blades			
	1 x Forceps, artery, Kelly, 140 mm, curved (long and short)			
	2 x Forceps, tissue seizing, Allis, 150 mm (short and long)			
	6 x Forceps, artery, Halsted-Mosquito, 125 mm, curved			
	1 x Tube suction, Yankauer, 270 mm			
	2 x Bowl, stainless steel, 600 ml			
	2 x Dishes, kidney type			
	1 x Forceps Rampley's, sponge holding			
	Coucher Forceps			
	Richardson retractor			
	Allis clamps, extra large			
	Diverse scissors			
	Snaider clamps long			
	Cistic clamp long			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	2 x Spatula, abdominal, malleable, 270 mm			
	1 x Retractor, abdominal, Collin, 3 blades			
	Deavers Abdominal Retractors			
	Doyen Abdominal Retractor			
	4 x Clamp, towel, Backhaus, 130 mm			
	1 x Scalpel handle, no.4			
	1 x Surgical Trolley			
4	Suture set			
	1 x Scissors, Deaver, 140 mm, curved, sharp/blunt			
	1 x Needle holder, Mayo-Hegar, 180 mm, straight			
	1 x Forceps, artery, Kocher, 140 mm, straight			
	1 x Scalpel handle, no. 4			
	1 x Forceps, tissue, standard, 145 mm, straight			
	1 x Probe, double-ended, 145 mm			
	2 x Dishes, kidney type			
	1 x Forceps, dissecting w tooth			
	1 x Forceps, dissecting, non-tooth			
	1 x Surgical Trolley			
5	Examination/suturing, vaginal/cervical set			
	1 x Scissors, Mayo, 170 mm, curved, blunt/blunt			
	1 x Needle holder, Mayo-Hegar, 180 mm, straight			
	2 x Retractor, vaginal, Doyen, 45x85 mm			
	1 x Speculum, vaginal, Graves, 75x20 mm			
	1 x Speculum, vaginal, Graves, 95x35 mm			
	1 x Speculum, vaginal, Graves, 115x35 mm			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	2 x Forceps, dressing & polypus, Cheron, 250 mm			
	2 x Dishes, kidney type			
	1 x Forceps Vulselum			
	2 x Forceps Rampley's			
	1 x Surgical Trolley			
6	Catheter placement set			
	2 x Forceps, Halsted Mosquito, 120 to 130 mm, curved, no teeth			
	1 x Needle holder, Mayo-Hegar, 150 to 160 mm, straight			
	2 x Basin, kidney, approx. 1000 ml			
	2 x Bowl, stainless steel, 180 ml			
	1 x Forceps Foerster or Foerster-Ballenger, 240 to 250 mm, straight, blunt			
	1 x Scissors, straight			
	2 x Forceps, Rampley's			
	1 x Surgical Trolley			
7	Basic Rectal Surgery set			
	1 x Anuscope, Bensaude or Hirschmann or Newman, small			
	1 x Anuscope, Bensaude or Hirschmann or Newman, medium			
	1 x Scalpel large handle, no.7,			
	2 x Scalpel handle, no.3,			
	1 x Anuscope Fansler, 340 to 570 mm			
	1 x Anuscope Pratt, screw graduation, 150 mm			
	6 x Forceps, Backhaus, 150 to 155 mm			
	6 x Forceps, Crille or Crille-Rankin, 155 to 160 mm, curved			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Forceps, Standard, 130 to 140 mm, straight, 1 x 2 teeth			
	1 x Forceps, Standard, 130 to 140 mm, straight, 1 x 2 teeth			
	1 x Forceps, Foerster or Foerster-Ballanger, 240 to 250 mm, curved, grasping			
	6 x Forceps, artery, Halsted-Mosquito, 120 to 130 mm, curved			
	1 x Forceps, artery, Pean/Rochester, 220 mm, straight, grasping			
	1 x Forceps, Yeoman grasping, rectal biopsy, curved, 330 mm			
	1 x Forceps, Yeoman grasping, rectal biopsy, 280 mm			
	1 x Needle holder, Mayo-Hegar, 200 to 210 mm, straight			
	1 x Scissors, Mayo, 170 mm, straight			
	1 x Scissors, Metzenbaum, 180 mm, curve			
	1 x Bowl, stainless steel, 100 ml			
	1 x Dissecting Forceps, Russ Model, 200 mm, teeth, fenestrated			
	1 x Tube, corrugated, 140 mm to 145 mm			
	1 x Rectal specula, Pratt or Crypt			
	1 x Exploration blunt			
	1 x Rectal specula, Stewart, handheld 150 mm, 29 mm			
	2 x Dishes, kidney type			
	1 x Forceps Rampley's			
	1 x Surgical Trolley			
8	Cervix Conization set			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Table, instruments, Mayo type, stainless steel,			
	6 x Forceps, Allis, 155 to 160 mm			
	1 x Forceps, Bozemann, S Shaped, Uterine Scissors, 240 to 260 mm,			
	2 x Tower Clamp, curved, blunt			
	1 x Forceps, Standard, 250 to 260 mm, straight, grasping			
	1 x Forceps, Standard, 130 to 140 mm, straight 1 x 2 teeth			
	1 x Forceps, Standard, 200 to 205 mm, straight, 1 x 2 teeth			
	6 x Forceps, Crille or Crille-Rankin, 155 to 160 mm, curved			
	2 x Needle holder, Mayo-Hegar, 180 mm, straight			
	2 x Retractor, Farabeuf, 150 to 155 mm			
	1 x Scissors, Mayo-Stille, 170 mm, curved			
	1 x Scissors, Mayo, 170 mm, straight			
	1 x Scissors, Metzenbaum, 150 to 160 mm, straight			
	2 x Dishes, kidney type			
	2 x Forceps Rampleyâ™s			
	2 x Bowls stainless steel			
	1 x Surgical Trolley			
9	Vaginal Hysterectomy set			
	1 x Tube suction, Yankauer, 300 mm			
	1 x Table, instruments, Mayo type, stainless steel,			
	10 x Forceps, Crille, 140 mm, curved, grasping			
	10 x Forceps, Allis, 180 to 190 mm, 5 or 6 teeth			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Forceps, Bozemann, S Shaped, Uterine Scissors, 240 to 260 mm, grasping			
	1 x Forceps, Standard, 100 to 110 mm, straight, 1 x 2 teeth			
	1 x Forceps, Standard, 240 to 250 mm, straight, grasping			
	2 x Forceps Foerster or Foerster-Ballenger, 240 to 250 mm, curved, grasping			
	6 x Forceps, Heaney, 205 to 210 mm, 2 teeth			
	6 x Forceps, artery, Pean/Rochester, 180 to 185 mm, curved, grasping			
	1 x Needle holder, Heaney, 200 to 210 mm, curved			
	1 x Needle holder, Hegar or Mayo-Hegar, 160 mm, straight			
	1 x Needle holder, Hegar or Mayo-Hegar, 200 to 210 mm, straight			
	1 x Retractor, vaginal, Doyen, 45x85 mm, length 240 mm			
	1 x Retractor, vaginal, Doyen, 45x85 mm, length 240 mm			
	1 x Scissors, Mayo, 170 mm, curved, blunt/blunt			
	1 x Scissors, Metzenbaum, 200 to 205 mm, curved			
	1 x Scissors, Metzenbaum, 150 to 160 mm, straight			
	1 x Bowl, stainless steel, 30 ml			
	1 x Dissecting forceps, Standard, 130 to 140 mm, grasping			
	1 x Scissors, Mayo, 170 mm, straight, blunt/blunt			
	2 x Basin, kidney, approx. 500 ml			
	2 x Scalpel handle, no. 4			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	6 x Forceps, Backhaus, 150 mm to 155 mm			
	2 x Forceps, Pozzi, 240 mm			
	2 x Forceps Rampley's			
	1 x Forceps Vulselum			
	1 x Surgical Trolley			
10	Abdominal Hysterectomy set			
	2 x Scalpel handle, no. 4			
	1 x Tube suction, Yankauer, 300 mm			
	1 x Tube suction, Yankauer, 22.8 mm, screw off button			
	1 x Table, instruments, Mayo type, stainless steel,			
	1 x Forceps, Aldlerkreutz, 200 mm, straight,			
	8 x Forceps, Allis, 250 to 260 mm, 5 or 6 teeth			
	6 x Forceps, Backhaus, 150 to 155 mm			
	1 x Forceps, Bozemann, S Shaped, grasping			
	10 x Forceps, Crille or Crille-Rankin, 155 to 160 mm, curved			
	1 x Forceps, Dartigues or Hiterolabo, 255 to 270 mm, curved			
	1 x Dissecting Forceps, Standard, 130 to 140 mm, toothless, graves			
	1 x Forceps, Standard, 250 to 260 mm, straight, grasping			
	1 x Forceps, Standard, 130 to 140 mm, straight, 1 x 2 teeth			
	2 x Forceps, Standard, 250 to 260 mm, straight, grasping			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	2 x Forceps Foerster or Foerster-Ballenger, 240 to 250 mm, curved, grasping			
	2 x Forceps Foerster or Foerster-Ballenger, 240 to 250 mm, straight, grasping			
	6 x Forceps, Heaney, 220 mm, 2 teeth, curved, grasping			
	6 x Forceps, artery, Pean/Rochester, 220 to 225 mm, curved, grasping			
	2 x Forceps, artery, Rochester Ochsner or Kocher-Ochsner, 240 to 225 mm, curved, teeth			
	1 x Needle holder, Mayo-Hegar, 180 mm, straight			
	1 x Needle holder, Hegar or Mayo-Hegar, 240 mm, straight			
	1 x Deaver Bladder, valve 25 x 300 mm			
	1 x Deaver Bladder, valve 75 x 300 to 310 mm			
	1 x Farabeuf Bladder, 2 x 150 to 155 mm			
	1 x O'Sullivan O'Connor, 3 sleeves			
	1 x Scissors, Mayo, 170 mm, curved, blunt/blunt			
	1 x Scissors, Mayo, 170 mm, straight, blunt/blunt			
	1 x Scissors, Mayo, 170 mm, straight, blunt/blunt			
	1 x Scissors, Mayo, 230 mm, straight, blunt/blunt			
	1 x Scissors, Mayo-Harrington, 225 to 230 mm, curved, blunt/blunt			
	1 x Scissors, Metzenbaum, 180 mm, curved			
	1 x Scissors, Metzenbaum, 230 mm, curved, blunt			
	2 x Basin, kidney, approx. 1000 ml			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Bowl, stainless steel, 250 ml			
	1 x Surgical Trolley			
11	Prostatectomy set			
	2 x Tube suction, Yankauer, 22.8 mm, screw off button			
	1 x Table, instruments, Mayo type, stainless steel,			
	2 x Scalpel handle, one no.3 and one no.4			
	10 x Forceps, Allis, 180 to 190 mm, 5 or 6 teeth			
	10 x Forceps, Crille, 140 mm, curved, grasping			
	2 x Forceps, Bakey, dissection, straight, branches 2mm, 190 to 200 mm length			
	1 x Forceps, Standard, 130 to 140 mm, straight, 1 x 2 teeth			
	2 x Standard, 250 to 260 mm, straight, grasping			
	2 x Forceps Foerster or Foerster-Ballenger, 180 mm to 200 mm, curved, grasping			
	2x Forceps, Mixer, 230 mm, grasping			
	4 x Forceps, artery, Pean/Rochester, 200 to 205 mm, curved, grasping			
	2 x Forceps, Potts Smith, 230 mm, grasping			
	2 x Forceps, Satinsky, 255 to 265 mm, double angulation			
	1 x Needle holder, Mayo-Hegar, 180 mm, straight			
	1 x Needle holder, Hegar or Mayo-Hegar, 180 to 185 mm, straight			
	1 x Needle holder, Hegar or Mayo-Hegar, 300 mm, straight			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Balfour Bladder, central valve of 65 to 80 mm x 80 to 85 mm, lateral valves, fenestrated, maximum 250 to 255 mm			
	1 x Deaver Bladder, valve 19 x 180 mm			
	1 x Deaver Bladder, valve 25 x 300 mm			
	1 x Desmarres Bladder, valve 13 x 14 mm, 130 to 140 mm length			
	1 x Richardson Bladder, valve 38 x 44 x 30â€³38 mm, length 240 to 245 mm			
	1 x Basin, kidney, approx. 1000 ml			
	1 x Basin, kidney, approx. 500 ml			
	1 x Farabeuf Bladder, 2, 150 to 155 mm length			
	2 x Scissors, Bakey, angulated 60°, 230 to 240 mm length			
	2 x Scissors, Mayo, 150 to 155 mm, straight, blunt/blunt			
	4 x Standard, 250 to 260 mm, straight, grasping			
	4 x Forceps Foerster or Foerster-Ballenger, 180 to 200 mm, curved, grasping			
	4 x Forceps, Mixer, 230 mm, grasping			
	4 x Forceps, artery, Pean/Rochester, 200 to 205 mm, curved, grasping			
	4 x Forceps, Potts Smith, 180 to 240 mm length			
	Diverse retractors Babcock forceps Curved needle holder Bull dog clamps Hoitgrewe malleable blade			
	McDougal clamp			
	Right angle clamp			
	2 x Forceps Rampley's			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Surgical Trolley			
12	Tracheostomy set			
	5 x Forceps, Field			
	2 x Forceps, Mosco, curved			
	2 x Forceps, artery, Kelly, short			
	1 x Forceps, Allis, large			
	2 x Farabeu Bladder			
	2 x hook			
	2 x Dissecting forceps, small			
	1 x Needle holder			
	1 x Scalpel handle, no.7			
	1 x Dishes, kidney type			
	2 x Forceps Rampley			
	2 x Bowl, stainless steel			
	Gynecological and Kidney set			
	1 x Forceps, uterine			
	1 x Speculum, vaginal,			
	1 x Basin, kidney, approx. 500 ml			
	1 x Surgical Trolley			
13	Urology set			
	Sterilization container for the set of instruments, with cover, perforation and filter			
	1 x Urethral sounds metal Otis-Clutton curved with olive ends (Sizes 4, 6, 8, 10, 12 FG)			
	1 x Bougies neoplex filiform (smaller sizes olive tipped)			
	1 x Sounds metal large Powellâ€™s straight blunt plain end			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Cystoscope fibre-lit 30 deg telescope with sheath and obturator, operated by standard Heine battery handle			
	Tiemann brown rubber catheters Ch. 12-24			
	1 x Foley-Tiemann urinary catheters Ch. 12-24			
	1 x Introducer for catheterisation 460 mm			
	1 x kidney dishes assorted 6", 8", 10" □™			
	3 x Gallipots stainless steel 70 mm diameter			
	2 Lotion bowls stainless steel 105 mm diameter x 40mm			
	1 x Surgical Trolley			
14	Lumbar Puncture set, Adult			
	1 x Instrument tray			
	1 x Kidney dish, 20 cm			
	1 x Galipot, 3 oz			
	1 x Sponge holder, 17 cm			
	1 x Lumbar puncture needles with stilettoes, different sizes for adult			
	1 x Spinal manometer			
	1 x 3-way Stopcock, Luer Lock			
	1 x Adapter			
	1 x Syringe Luer Lock			
	1 x Bijou sterile bottle			
	1 x Hypodermic needles, lock, 22 G			
	1 x Spinal needle (trocar & cannula), 22G			
	1 x Spinal needle (trocar & cannula), 20G			
	1 x Spinal needle (trocar & cannula), 23G			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Spinal needle (trocar & cannula), 18G			
	1 x Surgical Trolley			
15	Lumbar Puncture set, Paediatrics			
	1 x Instrument tray			
	1 x Kidney dish, 20 cm			
	1 x Galipot, 3 oz			
	1 x Sponge Holder, 17 cm			
	1 x Lumbar puncture needles with stilettoes, different sizes for child			
	1 x Spinal manometer			
	3-way Stopcock, Luer Lock			
	1 x Adapter			
	1 x Syringe Luer Lock			
	1 x Bijou sterile bottle			
	1 x Hypodermic needles, Lock, 25 G			
	1 x Spinal needle (trocar & cannula), 25 G			
	1 x Surgical Trolley			
16	Pleural Biopsy set			
	1 x Sterilization container for the set of instruments, with cover, perforation and filter			
	2 x Kidney dish, 20 cm			
	2 x Galipot, 6 oz			
	4 x Sponge holder, 17 cm			
	2 x Dissecting forceps, plain, 15 cm			
	2 x Scalpel handle, no. 3			
	8 x Towel clips, Backhaus, 8 cm			
	2 x Set Abramâ TM s pleural biopsy needles (8 G x 3")			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	5 x Two way adaptor			
	2 x Syringe, with metal tip, Luer lock			
	10 x Hypodermic needle, Luer lock, 23 G			
	10 x Hypodermic needle, Luer lock, 21 G			
	2 x Galipot, 3 oz			
	1 x Surgical Trolley			
17	Mastectomy set			
	2 x Needle holder, Mayo-Hegar, 180 mm, straight			
	1 x Retractor, Farabeuf, double-ended, 120 mm, pair			
	1 x Tube suction, Yankauer, 270 mm			
	10 x Forceps, artery, Kelly, 140 mm, curved			
	5 x Forceps, tissue seizing, Allis, 150 mm			
	4 x Richardson Bladder, valve 38x44x30-38 mm, length 240 to 245 mm			
	10 x Forceps, artery, Halsted-Mosquito, 125 mm, curved			
	2 x Forceps, dressing, ring			
	2 x Forceps grasper short, 5 mm			
	1 x Volkman retractor			
	1 x Scalpel No 4 and 7 with blade			
	1 x Gerald Dressing Forceps, 18 cm, straight			
	2 x Dishes, kidney type			
	1 x Instrument tray, 24 x 5 cm			
	1 x Kidney dish, 20 cm			
	1 x Galipot, 6 oz			
	1 x Sponge holder, 17 cm			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	1 x Marting Aspiration Needles, 17 G			
	1 x Trocar and Cannulae, size 11 G and 14 G			
	1 x Two way Adaptor			
	1 x Doz. Hypodermic Needles, Luer Lock, 21 G x 1			
	1 x Doz. Hypodermic Needles, Luer Lock, 23 G x 1			
	1 x Galipot, 3 oz			
	1 x Surgical Trolley			
18	Gynecologic biopsy set			
	1 x Forceps, uterine, ovum, Bierer, large			
	1 x Forceps, uterine, ovum, Bierer, small			
	1 x Forceps, uterine, ovum, Sopher, small			
	1 x Posi-Locking Instrument Holder			
	1 x Speculum, vaginal, Graves, wide mouth			
	1 x Fixed-diameter cervical dilator, reusable			
	1 x Disposable self-retaining retraction system ring			
	2 x Dishes, kidney type			
	Excisional breast biopsy set			
	1 x Retractor, Farabeuf, double-ended, 120 mm, pair			
	2 x Needle holder, Mayo-Hegar, 180 mm, straight			
	2 x Forceps, tissue seizing, Allis, 150 mm			
	1 x Forceps, artery, Kelly, 140 mm, curved (long and short)			
	2 x Forceps, Halsted Mosquito, 120 to 130 mm, curved, no teeth			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	2 x Forceps, Ring c and r			
	1 x Forceps, dressing, standard, 155 mm, straight			
	1 x Forceps, tissue holding, Collin, 160 mm			
	2 x Forceps, tissue, standard, 145 mm, straight			
	2 x Dissecting Forceps, teeth and non-teeth, fenestrated, long and short			
	2 x Dishes, kidney type			
	1 x Surgical Trolley			
19	Lobectomy and segmental lung set			
	Chest retractor of surgeon election (Volkman retractors, Harrington, Richardson, Malleable ribbon, Kelly vaginal)			
	Long medium and large clip appliers			
	Bronchus clamps			
	Duval lung clamps			
	Allison lung retractor (whisk) Scapular retractor			
	Doyen periosteal elevator (doyen raspatory right and left)			
	Elevators (Cameron, alexander, periosteal or others)			
	Box cutter, Bethune (stille-giertz) rib shears, Guillotine			
	Bailey rib approximator			
	Yankauer or Baron suction tube			
	Finochietto rib spreader or Burford (short or long blades)			
	Soft tissue retractor (eg. Sauerbruch) DeBakey Clamps long and short Volkman retractors			

S/NO.	EXPECTED EQUIPMENT	QTY	UNIT PRICE (USD)	TOTAL (USD)
	Rib Elevator			
	Freer Elevator, with blunt sharp blade			
	Martin Tissue Forceps 7 1/2			
	Potts-Smith Tissue Forceps			
	Forceps (eg, Kelly, Pean, Coller, Mixer)			
	Towel Clamp Needle Holder Bone Rongeur			
	Mixer Thoracic Forceps			
	Nelson Metzenbaum dissecting Lobectomy Scissors			
	Sarot Intra-Thoracic Artery Forceps and Bronchus clamp (optional)			
	2 x Dishes, kidney type			
	1 x Surgical Trolley			
20	Thoracotomy set			
	1 x Forceps, artery, Halstead			
	2 x Forceps, Sponge, Rampley			
	2 x Forceps, tissue, Allis			
	5 x Forceps, towel, Mayo			
	2 x Instrument Pin			
	2 x Knife handle, Surgical, No. 3			
	2 x Knife handle, Surgical, No. 4			
	1 x Needle Holder,			
	2 x Retractor, Double, blunt hook			
	1 x Scissors, Mcindoe			
	1 x Scissors, suture			
	2 x trocar & canula for chest puncture			
	2 x Dishes, kidney type			
	1 x Surgical Trolley			

HOSPITAL EQUIPMENT – COST SUMMARY

Transfer Hospital Equipment Cost Summary to Main Contractor’s Volume I(b) (Financial Part)

ITEM	DESCRIPTION	AMOUNT (US\$)
1.	Lot 1- OUTPATIENT EQUIPMENT	
2.	Lot 2- ONCOLOGY (RADIOTHERAPY) EQUIPMENT	
3.	Lot 3- IMAGING EQUIPMENT	
4.	Lot 4- ONCOLOGY (CHEMOTHERAPY) EQUIPMENT	
5.	Lot 5- INPATIENT SERVICES EQUIPMENT	
6.	Lot 6- DIAGNOSTIC LABORATORIES EQUIPMENT	
7.	Lot 7- PHARMACY EQUIPMENT	
8.	Lot 8- OPERATION THEATRES EQUIPMENT	
9.	Lot 9- INTENSIVE CARE UNIT (CRITICAL CARE) EQUIPMENT	
10.	Lot 10- BIOMEDICAL CALIBRATION EQUIPMENT	
11.	Lot 11- CENTRAL STERILIZATION SUPPLIES DEPARTMENT (CSSD)	
12.	Lot 12- INSTRUMENTS	
	GRAND TOTAL CARRIED TO VOLUME I(b)	