

TECHNICAL EVALUATION REPORT

FOR THE PURCHASE OF MEDICAL EQUIPMENT AT SHAIKH ZAYED HOSPITAL, LAHORE FOR (FINANCIAL-YEAR 2018-19)

Tenders were floated in the daily newspapers on 24th February, 2019 and opened on 28th March, 2019 by the purchase committee.

All the relevant papers / bids were scrutinized. Technical evaluation of each item was obtained from the user department.

The report is now consolidated and conveyed to the Technical committee for review and final recommendations.

The following technical committee members attended the meeting:

1. **Prof. Zia Ullah**
Prof. of Medicine, Convener
2. **Prof. Talha Mahmud**
Prof. of Pulmonology Member
3. **Dr. Haroon Javaid Majid**
Associate prof. of Surgery Member
4. **Concerned Project Director (if any)** Member
5. **Dr. Syed Munawar Hussain Shah**
Dy Administrator (Pharmacy) Member
6. **Mr. Tahir Hanif**
Incharge Bio-Medical Engg. Deptt. Member

Technical Committee Recommendations are as under:-

DEPARTMENT OF GASTROENTEROLOGY

VIDEO ENDOSCOPY SYSTEM

Following companies participated in the tender and offered the following items for the subjected system.

1. M/S ENDO KARE

- Endo Kare offered the following items in this tender:
- Endo Kare offered High definition Video Gastroscope, Make: Olympus, Model: GIF-H190, Country of Origin: Japan is as per technical specification.
- Offered High Definition Video Gastrscope (Therapeutic) Make: Olympus, Model: GIF-ITH190, Country of Origin: Japan is as per tender specification.
- Offered High Definition Video Colonoscope (Therapeutic) Make: Olympus, Model: CF-H190L, Country of Origin: Japan is as per tender specification.
- Offered Duodeno VideoScope Make: Olympus, Model: TJF-Q180V, Country of Origin: Japan is as per tender specification.
- Offered Endoscopic washer and Disinfector imported Make: Olympus, Model: OER-AW, Country of Origin: Japan is as per tender specification.
- Offered High Definition Video System Centre HD Make: Olympus, Model: CV-190, Country of Origin: Japan is as per tender specification.
- Offered the Recording System Make: Separate Medical Grade Video Recorder with Storage capacity 500GB Brand: Sony, Japan Model: HVO-550MD, Country of Origin: Sony Japan is as per tender specification.
- Offered Light Source Make: Olympus, Model: CLV-190, Country of Origin: Japan is as per tender specification.
- Company did not offer the Hydrogen Breath Test meter.

2. M/S VERTEX MEDICAL

- Vertex Medical offered the following items in their offer:
- HD Video Gastrointestinal scope (Adult) Model: EG-600WR Manufacturer: Fujifilm, Country Origin: Japan is as per tender specification and recommended for purchase.
- Offered Gastrointestinal Video Scope (Therapeutic & Adult) Model: EG-5300CT Manufacturer Fujifilm, Country Origin Japan is as per tender specification and recommended for purchase.
- Vertex Medical offered HD Video Colonoscope (Adult & Therapeutic) Model: EC-600WL Manufacturer Fujifilm, Country Origin Japan is as per tender specification and recommended for purchase.
- Offered HD Definition Video Deudonoscope (Adult) Model: ED-530XT8 Manufacturer Fujifilm, Country Origin Japan is as per tender specification and recommended for purchase.
- Offered Endoscope Washer & Re-processsor (Imported) Model: SERIE-1 Manufacturer SuloScope, Country Origin France is as per tender specification and recommended for purchase.

- HD Video System Center HD Model: VP-4450HD Manufacturer Fujifilm, Country Origin Japan is as per tender specification and recommended for purchase.
- Full HD Definition Medical Grade Digital Video & Image Recorder Processor Model: MDR-600HD Manufacturer IKEGAMI, Country Origin is Japan, as per tender specification and recommended for purchase.
- Light Source 300 Watt XENON Model: XL-4450 Manufacturer Fujifilm, Country Origin Japan is as per tender specification and recommended for purchase.
- Company also offered additional item Hydrogen Breath Test Meter Model: Gastro TM Make: Bedford, Country Origin UK.

3. **M/S MEDILAND**

- Mediland offered the following items in their offer:
- High Definition Gastro Video Scope Model: EG27-i10 Make: Pentax Medical Hoya Cooperation, Origin: Japan is as per tender specification and recommended for purchase.
- High Definition Gastrointestinal Video Scope(Therapeutic) Model: EG34-i10 Make: Pentax Medical Hoya Cooperation, Origin: Japan is as per tender specification and recommended for purchase.
- High Definition Colono Video Scope(Therapeutic) Model: EC34-i10L Make: Pentax Medical Hoya Cooperation, Origin: Japan is as per tender specification and recommended for purchase.
- Mediland offered Full High Definition Deodono Video Scope Model: ED34-i10T Make: Pentax Medical Hoya Cooperation, Origin: Japan is as per tender specification and recommended for purchase.
- Mediland offered Full High Definition Video System with I-Scan & OE Built-in Audio Video Recording Model: EPK-i7010 OPTIVISTA Make: Pentax Medical Hoya Cooperation, Origin: Japan is as per tender specification and recommended for purchase.
 1. Built-in Light Source (integrated / Builtin with Optivista Model: EPK-i7010 OPTIVISTA mentioned above.
 2. Built-in Recording System Image Capturing Device Model: EPK-i7010 with recording facility of 450GB Hard Drive as mentioned above.
- Endoscopic Washer and Pre-Processor (Imported) Model: CER2-Endoscope re-processor Make: Cantel Medical USA, Origin: USA is as per tender specification and recommended for purchase.
- Company does not offer the Hydrogen Breath Test meter.

All above three companies are as per tender specifications on the above mentioned technical grounds are recommended for Financial bid opening / purchase.

Committee Recommendations

The committee recommended that M/S Endo Kare, M/S Vertex Medical and M/S Mediland are technical responsive bidders.

DEPARTMENT OF GYNAE AND OBS

MANUAL DELIVERY TABLE

MEDEQUIPS PVT. LTD.

The company is unable to fulfil the specification of the obstetrical delivery table.

- No power Hi/Lo, till, leg section backrest functions (no manual neither electronic)
- Height of table is not adjustable.
- Not retractable so approach to the patient difficult.

Medequips (Pvt) Ltd. Is the only single bidder for the tender of delivery table. So kindly retender.

Committee Recommendations

The committee recommended to retender this item.

ULTRASOUND MACHINE

The following two companies participated in the tender

1. Sial Traders
2. Biotech Service

Only biotech fulfilled our demands as per tender specification and technically qualified.

SIAL TRADERS

- The quoted model in portable ultrasound machine, in specification we need built in trolley mounted machine.
- Trackball and keyboard are separate from ultrasound it should be built in with ultrasound machine.
- No sales reference, even in private and government sector and no after sale service record.
- No company balance sheet, audit reports, engineering staff etc. found in technical bid.

Sial Traders was asked about Demonstration but they failed to come for this. Under the clause on bidding document of page 18 clause 7.1 not providing Demo so they have been disqualified.

Committee Recommendations

The committee recommended that M/S BioTech Services is technical responsive.

DEPARTMENT OF GENERAL SURGERY

OPERATING LAPAROSCOPE (ADULT)

The Following companies took part in tender bid.

1. Endo Kare
2. Allmed Solutions
3. Verizon

4. Vertex Medical
5. Endo Aid Biomedical

Following companies fulfilled almost all requirements or their equivalents.

1. Endo Kare
2. Allmed Solutions
3. Vertex Medical

Deficiencies were observed in following bid.

M/S Verizon.

1. All telescopes are HD & not full HD as required
2. Details of camera control unit and video camera were not given
3. It is not specified whether picture in picture mode controls are available in monitor and camera head.
4. Still imaging and video capturing details not available (JPEG, MPEG4))
5. Socket specifications are not given
6. Light source working hours not given
7. Imported storage boxes for optics not available.

Non responsive.

Endo Aid Biomedical

1. Picture enhancement to 3D or 4K and or upgradation of system not available.
2. Image details, picture in picture, image capturing not as per specifications.
3. Monitor is not medical grade & not from the principal.
4. Light source working hours not mentioned.
5. Recording system capacity not specified
6. CO2 cylinder 240CFT not provided.

Non Responsive.

Committee Recommendations

The committee recommended that M/S Endo Kare, M/S Allmed Solutions and M/S Vertex Medical are technical responsive.

DEPARTMENT OF ORTHOPAEDIC

MOBILE C-ARM IMAGE INTENSIFIER

The following five companies participated in the tender:

1. Siemens CIOS-Select C-Arm
2. Sial Traders Mobile C-Arm image intensifier Model Radius S9
3. Megaplus C-Arm Phillips BV Vectra

4. Sherazi Trading (G.E) Mobile C-Arm Image Intensifier Brivo-785
5. Mediquips APELEM's Mobile C-Arm, Anode Model EVO+23m

Following Two Companies fulfilled our demands, as per tender specification and technically qualified as under:

1. Siemens CIOS-Select C-Arm
2. Sherazi Trading (G.E) Mobile C-Arm Image Intensifier Brivo -785

MEDEQUIPS

- No certificate from Manufacturer about after sales services
- The performance of equipment on local market is not satisfactory.

MEGAPLUS

- Technical & Engineering Capability is out source / third party
- Availability of relevant tools is out source / third party

SIAL TRADERS

- Technical & Engineering Capability is not available
- The performance of equipment on local market is not good
- No available of relevant tools

Committee Recommendations

The committee recommended that M/S Siemens and M/S Shirazi Trading (G.E) are technical responsive.

DEPARTMENT OF PEDIATRIC SURGERY

PAEDS LAPAROSCOPE WITH HD CAMERA SYSTEM

Please find attached the technical report regarding Pediatric Laparoscopy instruments.

1. M/S Allmed Solutions:

The quoted specifications of instruments meet our demands.

2. M/S Verizon:

Following deficiencies have been noted in their quotation.

- 3.5mm bipolar forceps does not meet our demand. We have demanded dissecting and rotating 3.5 mm bipolar forceps.
- Knot-pusher is not according to our requirement.
- Suction irrigation unit doesn't have pistol grip handle.
- LCD monitor has been quoted. Our demand is LED 32-inch monitor.
- Pyloric knife has not been quoted.

If the bidder can rectify these problems, then they can be accepted.

3. M/S Vertex medical:

Following deficiencies have been noted in their quotation.

- CMOS Camera system has been quoted, whereas our demand was 3CCD camera system.
- 3.5 mm dissecting and rotating bipolar forceps has not been quoted.
- Knot-pusher is not according to our demand.
- Suction irrigation unit doesn't have pistol grip handle.
- Laparoscopic Pyloric knife does not meet our requirements.
- Our previous laparoscopic set was bought from the same manufacturer and their after sale support was very poor. The quality of provided instruments was not good resulting in early wear of costly instruments.

The bidder does not meet our demand so may be rejected.

4. M/S Endoaid Biomedical:

Following deficiencies were noted in their quotation.

- CMOS camera system has been quoted, whereas our demand is 3CCD camera system.
- Four 5mm trocar cannula were demanded but they have quoted only one.
- 3.5mm instruments were demanded but they have quoted 3mm instrument.
- Knot-pusher is not according to our demand.
- Suction irrigation unit has not been quoted.
- Laparoscopic Pyloric knife is being provided through local supply.
- Xenon light source has been quoted whereas we have demanded LED light source.

The bidder does not meet our demand so may be rejected.

Committee Recommendations

The committee recommended that M/S Allmed Solutoin is the only technical responsive bidder.

DEPARTMENT OF PULMONOLOGY

VIDEO BRONCHOSCOPE SYSTEM & ARGON PLASMA COAGULATION SYSTEM.

With reference to your letter regarding technical evaluation & finalization of bids of Video Bronchoscope System & Argon Plasma Coagulation, we received four bids for technical evaluation.

1. Vertex Medical (Pvt) Ltd- quoted following items:

Video Bronchoscope	EB-530T	(Fujifilm)
Video Processor	VP-4450 HD	(Fujifilm)
Light Source	XL-4450	(Fujifilm)
HD Video & Image Recorder	MDR-600 HD	(Ikegami)
Medical Grade Monitor	MLW-2627C-DC	(Ikegami)
Argon Plasma Coagulation	ARC-250 with ARC PLUS	(Bowa)

***Quoted equipment meets the advertised specifications.**

2. Endo-Kare- - quoted following items:

Video Bronchoscope	BF-1TH190	(Olympus)
Video Processor	CV-190	(Olympus)
Light Source	CLV-190	(Olympus)
HD Video & Image Recorder	HVO-550MD	(Sony Japan)

Medical Grade Monitor	LMD-2735MD	(Sony Japan)
Argon Plasma Coagulation	APU-300	(Olympus)

*Quoted equipment meets the advertised specifications.

3 Mediland Pakistan (Pvt) Ltd - quoted following items:

Video Bronchoscope	EB-1975K	(Pentax)
Video Processor	EPK-i5000	(Pentax)
Light Source	Integrated light source with processor EPK i5000	
HD Video & Image Recorder	HVO-550MD	(Sony Japan)
Medical Grade Monitor	27 Radiance Ultra	(NDS Germany)
Argon Plasma Coagulation	Maximum with maximum Baumer	(KLS Martin)

As per brochure, available on internet the quoted video processor EPK-i5000 does not have HD-SDI port, hence do not meet the advertised specifications. The representatives of Mediland Pakistan (Pvt) Ltd were called for clarification but they failed to satisfy the end users.

Same specifications were advertised in 2017 and at that time, Mediland quoted video processor EPK-i7000 (superior to the current quotation and matched the specifications).

The models of their accessories (forceps, electrocautry probe, TBNA needle) are also not specified in the bid. Similarly, the models of APC probes also not mentioned in the bid.

The technical committee should exclude them in the tender process.

4 Vital Care - quoted following items:

Video Bronchoscope	(Not Quoted)
Video Processor	(Not Quoted)
Light Source	(Not Quoted)
HD Video & Image Recorder	(Not Quoted)
Medical Grade Monitor	(Not Quoted)
Argon Plasma Coagulation	Surtron 400HP (LED SpA Italy)

Not quoted all advertised equipment, henceforth should not be included in tender.

Committee Recommendations

The committee recommended that M/S Vertex Medical and M/S Endo Kare, are technical responsive.

DEPARTMENT OF UROLOGY

ULTRASOUND MACHINE

In the light of Technical Evaluation report by office in-charge Bio Medical Engineering Department Letter No: SZH /BME/05/19/002 dated 09-05-2019 (copy attached). Following are the recommendation.

1. **Shirazi Trading** is recommended as the pointed out the objections have been clarified by the Bio Medical Engineering.
2. **M/S Mediquips SMC** is recommended as it fulfill the tender requirement.
3. **M/S Siemens Healthineers** is not recommended as it has offered conditional warranty (Extended warranty offered excluding consumable).
4. **Bio-Tech Services** is not recommended due to
 - a. Poor after sale services.
 - b. Offered multiple frequency convex probe C251 frequency range 1-5 MHz where as required frequency was 2-6 MHz.

Hence two companies M/S Medequips and M/S Shirazi Trading are found to be as per tender specifications (PVMS) and according to terms and conditions of bidding documents.

Committee Recommendations

The committee recommended that M/S Shirazi Trading and M/S Mediquips SMC, are technical responsive.

Handwritten signature and date: 18/03/14

DEPARTMENT OF CARDIOLOGY

PORTABLE ECHO MACHINE

1.	M/S Shirazi trading	Recommended	
		1. ACCORDING TO SPECIFICATION	YES
		2. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (Children hospital. Lahore)
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	GOOD
2.	M/S BIOTECH	Not Recommended	
		1. ACCORDING TO SPECIFICATION	NO 4-D Upgradability
		2. INSTALL BASED FEEDBACK/ INSTITUTION	Not Available
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NOT RECOMMENDED ** TECHNICAL DISQUALIFICATION RECOMMENDED (DUE TO POOR

			AFTER SALE SERVICES AND BACKUP)
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Committee Recommendations

The committee recommended that M/S Shirazi Trading is the only technical responsive bidder.

ECG MACHINE: 12 CHANNEL

1.	M/S SHIRAZI TRADING	Recommended	
		1. ACCORDING TO SPECIFICATION	YES
		2. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (BAHRIA TOWN HOSPITAL, LAHORE)
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	GOOD
2.	M/S MEDE QUIPS SMC	Recommended	
		4. ACCORDING TO SPECIFICATION	YES
		1. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (Punjab govt. PIC. Lahore)
		2. BIOMEDICAL DEPARTMENT RECOMMENDATION	GOOD
3.	M/S SIAL TRADERS	Not Recommended	
		1. ACCORDING TO SPECIFICATION	NO* a. Paper size 100-110 mm b. Simultaneous 12 Channel print out not available
		2. INSTALL BASED FEEDBACK/ INSTITUTION	NA
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NA
4.	M/S CRYSTAL HEALTHCARE	NOT Recommended (As per Bio Medical Engineer report, Schiller make is not recommended.)	
		1. ACCORDING TO SPECIFICATION	Yes

		2. INSTALL BASED FEEDBACK/ INSTITUTION	Good
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	Good
5.	M/S BIOTECH	Not Recommended	
		1. ACCORDING TO SPECIFICATION	YES
		2. INSTALL BASED FEEDBACK/ INSTITUTION	Not Available
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NOT RECOMMENDED ** TECHNICAL DISQUALIFICATION RECOMMENDED (DUE TO POOR AFTER SALE SERVICES AND BACKUP)

Committee Recommendations

The committee recommended that M/S Shirazi Trading and M/S Mediquips SMC, are technical responsive.

ECG MACHINE: 6 CHANNEL

1.	M/S MEDE QUIPS SMC	Recommended	
		1. ACCORDING TO SPECIFICATION	YES
		2. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (Punjab govt. PIC. Lahore)
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	GOOD
	M/S SIAL TRADERS	Not Recommended	
		1. ACCORDING TO SPECIFICATION	NO* a. Demonstration not given (Clause 7.1 GCC Page 18).
		2. INSTALL BASED FEEDBACK/ INSTITUTION	Not Available

		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	Not Available
3.	M/S CRYSTAL HEALTHCARE	Not Recommended (As per Bio Medical Engineer report, Schiller make is not recommended)	
		1. ACCORDING TO SPECIFICATION	NO a. Paper size A 4
		2. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (SZH. Lahore)
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	Not GOOD
	M/S BIOTECH	Not Recommended (poor backup and after sale services)	
		1. ACCORDING TO SPECIFICATION	YES
		2. INSTALL BASED FEEDBACK/ INSTITUTION	Not Available
		3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NOT RECOMMENDED ** TECHNICAL DISQUALIFICATION RECOMMENDED (DUE TO POOR AFTER SALE SERVICES AND BACKUP)

Committee Recommendations

The committee recommended that M/S Mediquips SMC is the only technical responsive bidder.

DEFIBRILLATOR

1	M/S MEDE QUIPS SMC	Recommended	
		1. ACCORDING TO SPECIFICATION	YES
		1. INSTALL BASED FEEDBACK/ INSTITUTION	GOOD (Punjab govt. PIC. Lahore)
		2. BIOMEDICAL DEPARTMENT RECOMMENDATION	GOOD
2		Not Recommended	

M/S SIAL TRADERS	1. ACCORDING TO SPECIFICATION	NO a. Recharging Time 8 sec b. Paper size 48 mm
	2. INSTALL BASED FEEDBACK/ INSTITUTION	NA
	3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NA
3	M/S BIOTECH	Not Recommended
	1. ACCORDING TO SPECIFICATION	NO a. Paper size 58 mm
	2. INSTALL BASED FEEDBACK/ INSTITUTION	Not Available
	3. BIOMEDICAL DEPARTMENT RECOMMENDATION	NOT RECOMMENDED ** TECHNICAL DISQUALIFICATION RECOMMENDED (DUE TO POOR AFTER SALE SERVICES AND BACKUP)

Committee Recommendations

The committee recommended that M/S Mediquips SMC is the only technical responsive bidder.

[Handwritten Signature]
18/05/19

DEPARTMENT OF RADIOLOGY

DOPPLER ULTRASOUND MACHINE

The following four companies participated in this tender.

1. M/S Medequips Canon (Aplio 300)
2. M/S Bio-Tech Services Hitachi (Arietta 850)
3. M/S Shirazi Trading GE Logiq P9
4. M/S Siemens SIEMENS S2000

Following three companies fulfilled our demands as per tender specifications and technically qualified as under:

1. M/S Medequips Canon (Aplio 300)
2. M/S Bio-Tech Services Hitachi(Arietta 850)
3. M/S Shirazi Trading GE Logiq P9

M/S SIEMENS

Conditional Warranty Offered (Extended warranty offered without consumables)

Committee Recommendations

The committee recommended that M/S Mediquips SMC, M/S Biotech Services and M/S Shirazi Trading are technical responsive bidders.

DEPARTMENT OF BLOOD BANK

PLASMA STORAGE FREEZER BLOOD BANK

Please find attached the technical report regarding plasma storage freezer of Blood Bank.

Detailed requirement was stainless steel interior, interior, Automatic defrost (hot gas), automatic closing of the doors, controlled fan cooling, operated power switch per day, safety door lock.

Additional requirements were interior doors to minimize loss of refrigeration, integrated RS-485/USB interface, and 220 V 50 Hz AC.

User adjustable settings required were temperature range down to -40-degree C, and gross volume of 8 cu ft. or more.

Net capacity required is minimum 120 plasma bags of 450ml each. For this we also require, 200-250 minutes hold over time at +25 ambient temperatures. The displayed parameters were digital temperature display, acoustical and visual alarm for temperature and power failure, alarm system with battery backup, and door opening alarm.

Accessories required were, servo controlled voltage stabilizer with surge protection facility, operating manual with soft copy, and service manual with soft copy.

1. M/S SIAL TRADERS


The quoted model freezer (upright) -40 Model-DW -40 L278 Haier Biomedical China is not as per tender specifications. This is actually a china manufactured.

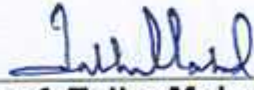
2. M/S SAMEER ENTERPRISERS

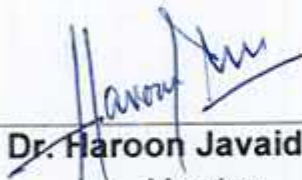
The quoted specifications of instrument meet our demand.


Committee Recommendations

The committee recommended that M/S Sameer Enterprises is technically responsive bidder.


Prof. Zia Ullah,
Convener
Prof. of Medicine


Prof. Talha Mahmud
Member
Prof. of Pulmonology


Dr. Haroon Javaid Majid
Member
Associate prof. of Surgery


Dr. Syed Munawar Hussain Shah
Member
Deputy Administrator (Pharmacy)

Mr. Tahir Hanif
Member
Incharge Bio-Medical Engg. Deptt.

