

CH. PERVAIZ ELAHI INSTITUTE OF CARDIOLOGY, MULTAN
MINUTES OF THE MEETING

A meeting of TEC "Technical Evaluation Committee" for purchase of NIRS (Near infrared Spectroscopy Monitors) for Ch. Pervaiz Elahi Institute of Cardiology, Multan was held under the chairmanship of **Prof. Dr. Haider Zaman**, Professor of Cardiac Surgery & Chairman TEC, Dated: 29.01.2016 at 02:30 Pm in the office of the Director Technical of this institute.

The following members were present in the meeting:-

1. Prof. Dr. Haider Zaman, Prof. of Cardiac Surgery	Chairman
2. Prof. Dr. Rana Altaf, Prof. of Anesthesia/End User	Member
3. Dr. Tariq Abbas, Associate Prof. of Cardiology	Member
4. Dr. Sohail Ahmad, Assist.Prof of Anaesthesia	Member
5. Dr. Farhan Khan, Director Technical	Member
6. Dr. Fayyaz Hashmi, Sr. Medical Officer	Member
7. Dr. Muhammad Moeen, Sr. Registrar Cardiac Surgery	Member
8. Dr. Sohail Saleemi, Sr. Registrar Cardiology	Member
9. Engr. Muhammad Kaleem, Bio Medical Engineer	Member

AGENDA: TECHNICAL EVALUATION FOR THE PURCHASE OF NIRS (NEAR INFRARED SPECTROSCOPY MONITORS) FOR THE YEAR 2015.16

PROCEEDINGS:

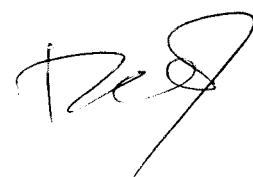
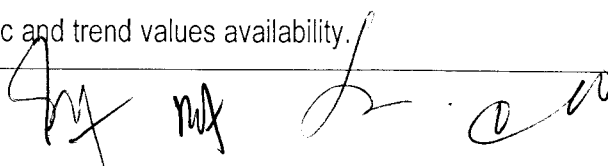
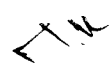
Following 02Nos. firms participated in the tender:

1. M/S Total Technologies, Lahore
2. M/S Amtronech, Lahore

All the tenders were evaluated with respect to floated specification and requirements.

1. M/S TOTAL TECHNOLOGIES, LAHORE

	PRE-REQUISITES	M/S Total Technologies
1	The quoted equipment must be manufactured in USA, EU or Japan	Singapore
2	Model	INVOS 5100C
3	Make	Covidien
4	Country of Origin: USA / Europe / Japan	USA
5	Authorization	Authorized
6	Certification: (FDA / CE / JIS)	FDA/CE
7	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
8	Near Infra-Red Spectroscopy (NIRS) based Cerebral / Regional Oximeter monitor.	Cerebral/regional Oximeter
9	Bilateral cerebral tissue oxygen saturation.	Bilateral tissue O2 saturation
10	Real time data of the Area under the Curve (AUC),	Area under the curve
11	4 wavelength / Channels.	4 Channels
12	Absolute / numeric and trend values availability.	Numeric & trends values

13	Color code trend graph display of bilateral cerebral tissue oxygen saturation with alarm limits.	Color code trends
14	Numeric display of bilateral cerebral tissue oxygen saturation with alarm limits.	Numeric display
15	Baseline display of cerebral tissue oxygen saturation with marker.	Baseline & below baseline
16	Digital event marker with labeling.	TE Compliance
17	Cerebral oximetry disposable sensors(40 kg or above): Quantity 20 units	TE Compliance
18	High resolution (1280 x 800 pixels) or better color LCD screen. Size 10 inch or more.	No detail provided
19	Ethernet LAN connectivity with HIS or serial port.	TE Compliance
20	USB trend & data upload / download.	TE Compliance
21	230 / 240 v Ac 50 HZ.	TE Compliance
22	Built in rechargeable battery.	TE Compliance
23	Original mobile cart.	TE Compliance
	REMARKS	Technically Accepted

2. M/S AMTRONECH, LAHORE

	PRE-REQUISITES	M/S Amtronech
1	The quoted equipment must be manufactured in USA, EU or Japan only	Mexico
2	Model	Masimo Root with O3
3	Make	Masimo Corporation
4	Country of Origin: USA / Europe / Japan	USA / Mexico
5	Authorization	Authorized
6	Certification: (FDA / CE / JIS)	FDA/CE
7	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
8	Near Infra-Red Spectroscopy (NIRS) based Cerebral / Regional Oximeter monitor.	Cerebral/regional Oximeter
9	Bilateral cerebral tissue oxygen saturation.	Bilateral tissue O2 saturation
10	Real time data of the Area under the Curve (AUC),	Area under the curve
11	4 wavelength / Channels.	4 wavelength
12	Absolute / numeric and trend values availability.	Numeric & trends values
13	Color code trend graph display of bilateral cerebral tissue oxygen saturation with alarm limits.	Color code trends
14	Numeric display of bilateral cerebral tissue oxygen saturation with alarm limits.	Numeric display

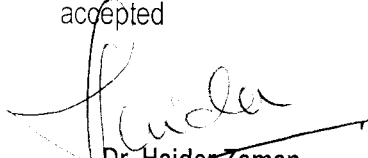
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15	Baseline display of cerebral tissue oxygen saturation with marker.	Baseline & below baseline
16	Digital event marker with labeling.	Event marker with labeling
17	Cerebral oximetry disposable sensors(40 kg or above); Quantity 20 units	> 40kg
18	High resolution (1280 x 800 pixels) or better color LCD screen. Size 10 inch or more.	10.1 touch screen
19	Ethernet LAN connectivity with HIS or serial port.	LAN Connectivity
20	USB trend & data upload / download.	USB detectable
21	230 / 240 v Ac 50 HZ.	230V/50Hz
22	Built in rechargeable battery.	Built in
23	Original mobile cart.	TE Compliance
	REMARKS	Technically Accepted

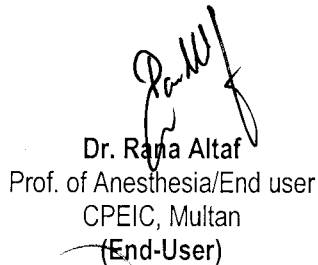
CONCLUSION:

The committee scrutinized and discussed the technical offer of all above firms in detail and made the following decision unanimously.

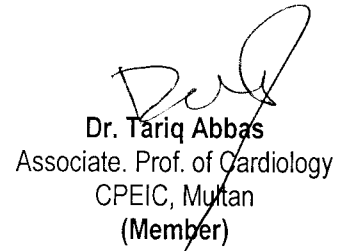
1. The offer of both firms M/S Total Technologies, Lahore & M/S Amtronech Lahore is technically accepted



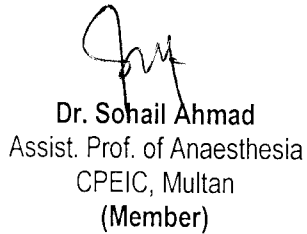
Dr. Haider Zaman
Prof. of Cardiac Surgery
CPEIC, Multan
(Chairman TEC)



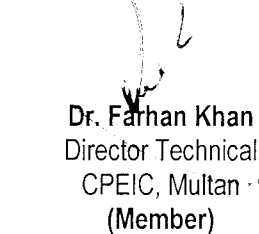
Dr. Rana Altaf
Prof. of Anesthesia/End user
CPEIC, Multan
(End-User)



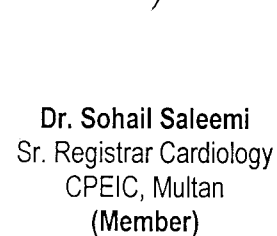
Dr. Tariq Abbas
Associate. Prof. of Cardiology
CPEIC, Multan
(Member)



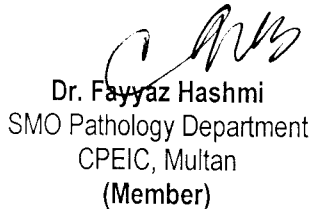
Dr. Sohail Ahmad
Assist. Prof. of Anaesthesia
CPEIC, Multan
(Member)



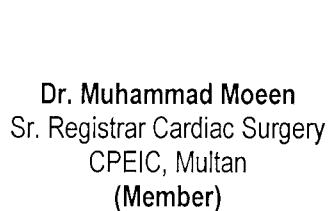
Dr. Farhan Khan
Director Technical
CPEIC, Multan
(Member)



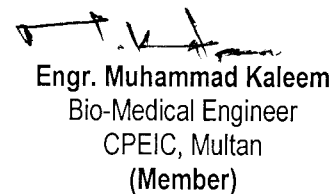
Dr. Sohail Saleemi
Sr. Registrar Cardiology
CPEIC, Multan
(Member)



Dr. Fayyaz Hashmi
SMO Pathology Department
CPEIC, Multan
(Member)



Dr. Muhammad Moeen
Sr. Registrar Cardiac Surgery
CPEIC, Multan
(Member)



Engr. Muhammad Kaleem
Bio-Medical Engineer
CPEIC, Multan
(Member)