

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

A meeting of TEC "Technical Evaluation Committee" for purchase of Invasive Cardiac Monitor with BIS, Part-A (Qty-05) 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 PURCHASE OF INVASIVE CARDIAC MONITOR WITH BIS, PART-A, QTY-05 FOR THE YEAR 2015.16

PROCEEDINGS:

Following 03Nos. firms participated in the tender:

1. M/S Shirazi Trading, Lahore
2. M/S Vertex Enterprises, Lahore
3. M/S Medequips, Lahore

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

**1. M/S SHIRAZI TRADING, LAHORE**

	PRE-REQUISITES	M/S Shirazi Trading
1	The quoted equipment must be manufactured in USA, EU or Japan only	USA/EU
2	<b>Specification (PART -A) QTY-05Nos.</b>	
3	<b>Model</b>	Carescape B650
4	<b>Make</b>	GE
5	<b>Country of Origin: USA / Europe / Japan</b>	USA/EU
6	<b>Authorization</b>	31.12.2016
7	<b>Certification: (FDA (510K) / CE / JIS)</b>	FDA/CE
8	<b>Warranty: 5 Years Comprehensive with parts &amp; spare including backup services</b>	5 Year
9	Modular Bedside monitor for display of vital signs monitoring of Adult, Paeds & Neonates	Modular
10	The monitor should have plug-in modules for measuring, recording and display of different vital sign	Plug-in modules
11	Mounted on original wall mounted stands	Not Offered
12	Monitors should be connected with central station wirelessly/wired	Through wired

13	It should be able to connect with HIMS for bidirectional transfer of data and transfer of images	Bi-directional transfer of images not available
14	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
15	Electro-surgical interference suppression/ protection	Interference protection
16	Defibrillator protection	D.Fib protection
17	Freeze and cascade facility	freeze & cascade
18	waveforms traces speeds 25/50mm/sec	25/50mm/sec
19	Screen size min 15" or more with touch screen colored	15" TFT
20	minimum 12 waveforms or more	14 waveforms
21	<b>STANDARD PARAMETERS:</b>	
22	ECG, NIBP, SpO2, 2-Temp, Respiration, Trends, Arrhythmia Analysis and 4-IBP & EtCO2, CO at the same time	4-IBP & EtCO2, CO not at the same time
23	<b>ECG: (Cable Alligator Type)</b>	
24	Numeric heart rate	Numeric
25	Waveform: Six wave form minimum, real time freeze ECG trace	Six waveform
26	3, 6 and 12 lead real time monitoring	3/6/12 lead monitoring
27	Measuring range: 15 to 300bpm	15 to 300bpm
28	5 and 10 lead each ECG cable with electrodes	3/6/10 lead with electrode
29	Ability to detect Adult & Pediatric Heart rate range, QRS widths and amplitudes	TE Compliance
30	<b>NONINVASIVE BLOOD PRESSURE (NIBP): (Adult, Paeds, Neonates Cuff )</b>	
31	Method: Oscillometric principle	Oscillometric
32	Numeric: Systolic, Diastolic and Mean Pressures	Systolic, DIA, MAP
33	Ability to measure Adult & Pediatric B.P	Adult /Paes/neanates
34	Rising Cuff / continuous pressure display	Rising pressure
35	Selectable auto inflate interval settings	Auto inflate
36	<b>TEMPERATURE (Rectal, Nasal, Skin Probes)</b>	
37	Numeric. Temperature selectable in 'C / 'F	Both C/F
38	Channels: 2 channels or more	2 Channel
39	Ability to measure Adult & Pediatric temperature range	Adult /Paes/neanates
40	<b>PULSE QXIMETRY: (Adults, Paeds, Neonates Probes )</b>	
41	Numeric: 0-100% Oxygen saturation measuring range	0 -100%
42	Masimo Technology/ Other patent technology with motion tolerance	Masimo
43	Waveform: Plethysmograph pulse with pulse strength indication Sensor for Pediatrics & Adult Patients	Adult & Paeds
44	<b>RESPIRATION:</b>	
45	Sweep speed: 6.25, 12.5mm/sec.	6.25/12.5 mm/sec
46	Breath rate display and Settable Apnea Alarm.	TE Compliance
47	<b>INVASIVE BLOOD PRESSURE MODULE</b>	

48	4 Channel IBP Monitoring	4-Channel
49	Numeric: Systolic, Diastolic and Mean Pressure	Systolic, DIA, MAP
50	Variable scale: Selectable	Selectable
51	5 IBP Complete kits	5 IBP Kit
52	<b>ARRTHIEMIA ANALYSIS:</b>	
53	Arrhythmia analysis and ST analysis with minimum 10 Arrhythmia detection capability	10 ARR detection
54	<b>CARDIAC OUTPUT MODULE</b>	
55	Numeric Display	Numeric
56	Display of Cardiac Output	TE Compliance
57	Thermo dilution Method	Thermo dilution
58	One starter kit	
59	<b>CAPNOGRAPHY (ETCO2)</b>	
60	For measuring of End Tidal CO2	
61	Capability of Main / side stream measurements for intubated and non intubated patients.	Mainstream
62	Airway & nasal adapter 50 each adult and Paeds	30/30
63	<b>TRENDS:</b>	
64	Trends for at least 48-96 hours with graphical and tabular representation for all parameters	TE Compliance
65	<b>ALARMS:</b>	
66	Selectable automatic Adult and Pediatric Mode alarm limits High and low (settable) on all parameters	TE Compliance
67	Visual and Audible indication of alarms	TE Compliance
68	<b>BACKUP SUPPORT</b>	
69	Battery with back up of at least 1-2 hours in case of AC power failure for full parameters.	TE Compliance
70	Wall mount or trolley original from manufacturer.	TE Compliance
71	<b>Following Modules should be quote separately:-</b>	
72	<b>BIS MONITORING (Optional)</b>	TE Compliance
73	<b>EEG MONITORING (Optional)</b>	TE Compliance
74	Able to provide diagnostic EEG data	TE Compliance
75	Able to provide real time EEG surveillance	TE Compliance
76	4 Channel EEG	TE Compliance
77	<b>PICCO (Optional)</b>	TE Compliance
78	Pulse contour cardiac output	TE Compliance
79	Continuous cardiac output index	TE Compliance
80	Stroke Volume	TE Compliance
81	Stroke volume index	TE Compliance
82	integrates four invasive pressures	TE Compliance
83	Cardiac output by using single cable	TE Compliance

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 J. Red, PM, J. H., T.K.

84	Battery backup for 1 or more hour with all parameters	TE Compliance
85	The system must be complete with all sensors, probe, cable or any other accessories required for measuring all the above selectable parameters for adult & Pediatric applications. All the accessories must be supplied by the same manufacturer	Yes Offered
86	<b>CENTRAL MONITORING SYSTEM</b>	
87	Multi Channel	TE Compliance
88	Central station to monitor different patient data centrally	TE Compliance
89	Central station should be connected with above mentioned monitors wirelessly/ wired	TE Compliance
90	supplied with pure sine wave UPS with minimum battery backup of 1 or more hour	TE Compliance
91	Provided UPS must be imported	TE Compliance
92	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
93	Colored monitor with min 19" or higher	TE Compliance
94	Laser printer Latest HP or equivalent min 45pages/ min	TE Compliance
95	Trend display 72 hours or more	TE Compliance
96	Event and full disclosure for Upto 16 waveforms	TE Compliance
97	HL7 interface capable of connectivity with HIMS	TE Compliance
98	Bedside connection: min 10bedside monitors or more and will be able to enhance up to 20 or more	TE Compliance
99	<b>PARAMETERS</b>	
100	Selectable display of all parameters of bedside monitors	TE Compliance
101	Alarms	TE Compliance
102	All parameters alarms on central station monitor with bed No.	TE Compliance
103	Identification	TE Compliance
104	All alarms of each bedside monitors selectable form central workstation	TE Compliance
105	Firm is bound to provide 01X 55" or more LED and will install at two different places as per user recommendation and both display will be connected to central station for live viewing and monitoring of each patients	55" LED
106	Installation of network cables as per international standards will be responsibility of firm	TE Compliance
107	Central station and monitors must be from same manufacturer	TE Compliance
	<b>REMARKS</b>	<b>Technically Accepted</b>

## 2. M/S VERTEX ENTERPRISES, LAHORE

	PRE-REQUISITES	M/S Vertex Medical
1	The quoted equipment must be manufactured in USA, EU or Japan only	USA/Germany
2	<b>Specification (PART -A) QTY-05Nos.</b>	
3	<b>Model</b>	Infinity Omega S

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4	<b>Make</b>	Dragerwerk
5	<b>Country of Origin:</b> USA / Europe / Japan	USA/Germany
6	<b>Authorization</b>	31.12.2016
7	<b>Certification:</b> (FDA (510K) / CE / JIS)	FDA/CE
8	<b>Warranty:</b> 5 Years Comprehensive with parts & spare including backup services	5 Years
9	Modular Bedside monitor for display of vital signs monitoring of Adult, Paeds & Neonates	Modular
10	The monitor should have plug-in modules for measuring, recording and display of different vital sign	Plug-in modules
11	Mounted on original wall mounted stands	Yes
12	Monitors should be connected with central station wirelessly/wired	Through wired
13	It should be able to connect with HIMS for bidirectional transfer of data and transfer of images	Bi-directional transfer of images not available
14	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
15	Electro-surgical interference suppression/ protection	Interference protection
16	Defibrillator protection	D.Fib protection
17	Freeze and cascade facility	freeze & cascade
18	waveforms traces speeds 25/50mm/sec	25/50mm/sec
19	Screen size min 15" or more with touch screen colored	Not mentioned
20	minimum 12 waveforms or more	32 waveforms
21	<b>STANDARD PARAMETERS:</b>	
22	ECG, NIBP, SpO2, 2-Temp, Respiration, Trends, Arrhythmia Analysis and 4-IBP & EtCO2, CO at the same time	4-IBP & EtCO2, CO not at the same time
23	<b>ECG: (Cable Alligator Type)</b>	
24	Numeric heart rate	Numeric
25	Waveform: Six wave form minimum, real time freeze ECG trace	12 waveform
26	3, 6 and 12 lead real time monitoring	3/6/12 lead monitoring
27	Measuring range: 15 to 300bpm	15 to 300bpm
28	5 and 10 lead each ECG cable with electrodes	3/6/10 lead with electrode
29	Ability to detect Adult & Pediatric Heart rate range, QRS widths and amplitudes	TE Compliance
30	<b>NONINVASIVE BLOOD PRESSURE (NIBP): (Adult, Paeds, Neonates Cuff )</b>	
31	Method: Oscillometric principle	Oscillometric
32	Numeric: Systolic, Diastolic and Mean Pressures	Systolic, DIA, MAP
33	Ability to measure Adult & Pediatric B.P	Adult /Paes/neonates
34	Rising Cuff / continuous pressure display	Rising pressure
35	Selectable auto inflate interval settings	Auto inflate
36	<b>TEMPERATURE (Rectal, Nasal, Skin Probes)</b>	
37	Numeric. Temperature selectable in 'C / F	Both C/F

38	Channels: 2 channels or more	2 Channel
39	Ability to measure Adult & Pediatric temperature range	Adult /Paes/neonates
40	<b>PULSE QXIMETRY: (Adults, Paeds, Neonates Probes )</b>	
41	Numeric: 0-100% Oxygen saturation measuring range	0 -100%
42	Masimo Technology/ Other patent technology with motion tolerance	Masimo
43	Waveform: Plethysmograph pulse with pulse strength indication Sensor for Pediatrics & Adult Patients	Adult & Paeds
44	<b>RESPIRATION:</b>	
45	Sweep speed: 6.25, 12.5mm/sec.	6.25/12.5 mm/sec
46	Breathe rate display and Settable Apnea Alarm.	TE Compliance
47	<b>INVASIVE BLOOD PRESSURE MODULE</b>	
48	4 Channel IBP Monitoring	4-Channel
49	Numeric: Systolic, Diastolic and Mean Pressure	Systolic, DIA, MAP
50	Variable scale: Selectable	Selectable
51	5 IBP Complete kits	5 IBP Kit
52	<b>ARRHYTHMIA ANALYSIS:</b>	
53	Arrhythmia analysis and ST analysis with minimum 10 Arrhythmia detection capability	10 ARR detection
54	<b>CARDIAC OUTPUT MODULE</b>	
55	Numeric Display	Numeric
56	Display of Cardiac Output	TE Compliance
57	Thermo dilution Method	Thermo dilution
58	One starter kit	
59	<b>CAPNOGRAPHY (ETCO2)</b>	
60	For measuring of End Tidal CO2	
61	Capability of Main / side stream measurements for intubated and non intubated patients.	Side stream
62	Airway & nasal adapter 50 each adult and Paeds	30/30
63	<b>TRENDS:</b>	
64	Trends for at least 48-96 hours with graphical and tabular representation for all parameters	72 Hours
65	<b>ALARMS:</b>	
66	Selectable automatic Adult and Pediatric Mode alarm limits High and low (settable) on all parameters	TE Compliance
67	Visual and Audible indication of alarms	TE Compliance
68	<b>BACKUP SUPPORT</b>	
69	Battery with back up of at least 1-2 hours in case of AC power failure for full parameters.	TE Compliance
70	Wall mount or trolley original from manufacturer.	TE Compliance
71	<b>Following Modules should be quote separately:-</b>	
72	<b>BIS MONITORING (Optional)</b>	TE Compliance

73	<b>EEG MONITORING (Optional)</b>	TE Compliance
74	Able to provide diagnostic EEG data	TE Compliance
75	Able to provide real time EEG surveillance	TE Compliance
76	4 Channel EEG	8 Channel
77	<b>PICCO (Optional)</b>	PICCO2
78	Pulse contour cardiac output	TE Compliance
79	Continuous cardiac output index	TE Compliance
80	Stroke Volume	TE Compliance
81	Stroke volume index	TE Compliance
82	integrates four invasive pressures	TE Compliance
83	Cardiac output by using single cable	TE Compliance
84	Battery backup for 1 or more hour with all parameters	UPS with 1 hour
85	The system must be complete with all sensors, probe, cable or any other accessories required for measuring all the above selectable parameters for adult & Pediatric applications. All the accessories must be supplied by the same manufacturer	Yes Offered
86	<b>CENTRAL MONITORING SYSTEM</b>	
87	Multi Channel	Infinity Central station
88	Central station to monitor different patient data centrally	Upto 32 patients
89	Central station should be connected with above mentioned monitors wirelessly/ wired	Through wired
90	supplied with pure sine wave UPS with minimum battery backup of 1 or more hour	UPS with 1 hour
91	Provided UPS must be imported	imported
92	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
93	Colored monitor with min 19" or higher	20" Touch
94	Laser printer Latest HP or equivalent min 45pages/ min	HP laser printer
95	Trend display 72 hours or more	120 hours
96	Event and full disclosure for Upto 16 waveforms	16 waveform
97	HL7 interface capable of connectivity with HIMS	HL7 Interface
98	Bedside connection: min 10bedside monitors or more and will be able to enhance up to 20 or more	Upto 32 patients
99	<b>PARAMETERS</b>	
100	Selectable display of all parameters of bedside monitors	TE Compliance
101	Alarms	TE Compliance
102	All parameters alarms on central station monitor with bed No.	TE Compliance
103	Identification	TE Compliance
104	All alarms of each bedside monitors selectable form central workstation	TE Compliance
105	Firm is bound to provide 01X 55" or more LED and will install at two different places as per user recommendation and both display will be connected to central station for live viewing and monitoring of each Pt	55" LED

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106	Installation of network cables as per international standards will be responsibility of firm	TE Compliance
107	Central station and monitors must be from same manufacturer	TE Compliance
	<b>REMARKS</b>	<b>Technically Accepted</b>

### 3. M/S MEDEQUIPS, LAHORE

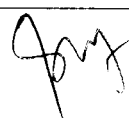

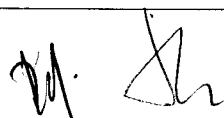
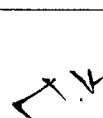
	PRE-REQUISITES	M/S Medequips
1	The quoted equipment must be manufactured in USA, EU or Japan only	Japan
2	<b>Specification (PART -A) QTY-05Nos.</b>	
3	<b>Model</b>	CSM 1901
4	<b>Make</b>	Nihon Kohden
5	<b>Country of Origin:</b> USA / Europe / Japan	Japan
6	<b>Authorization</b>	31.03.2016
7	<b>Certification:</b> (FDA (510K) / CE / JIS)	FDA/CE
8	<b>Warranty:</b> 5 Years Comprehensive with parts & spare including backup services	5 Years
9	Modular Bedside monitor for display of vital signs monitoring of Adult, Paeds & Neonates	Modular
10	The monitor should have plug-in modules for measuring, recording and display of different vital sign	Plug-in modules
11	Mounted on original wall mounted stands	Base stand DM-190P
12	Monitors should be connected with central station wirelessly/wired	Through wired
13	It should be able to connect with HIMS for bidirectional transfer of data and transfer of images	Bi-directional transfer of images not available
14	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
15	Electro-surgical interference suppression/ protection	Interference protection
16	Defibrillator protection	D.Fib protection
17	Freeze and cascade facility	freeze & cascade
18	waveforms traces speeds 25/50mm/sec	25/50mm/sec
19	Screen size min 15" or more with touch screen colored	15" TFT
20	minimum 12 waveforms or more	12 waveform
21	<b>STANDARD PARAMETERS:</b>	
22	ECG, NIBP, SpO2, 2-Temp, Respiration, Trends, Arrhythmia Analysis and 4-IBP & EtCO2, CO at the same time	4-IBP & EtCO2, CO at the same time
23	<b>ECG: (Cable Alligator Type)</b>	
24	Numeric heart rate	Numeric
25	Waveform: Six wave form minimum, real time freeze ECG trace	Six waveform
26	3, 6 and 12 lead real time monitoring	3/6/12 lead monitoring
27	Measuring range: 15 to 300bpm	15 to 300bpm



28	5 and 10 lead each ECG cable with electrodes	3/6/10 lead with electrode
29	Ability to detect Adult & Pediatric Heart rate range, QRS widths and amplitudes	TE Compliance
30	<b>NONINVASIVE BLOOD PRESSURE (NIBP): (Adult, Paeds, Neonates Cuff )</b>	
31	Method: Oscillometric principle	Oscillometric
32	Numeric: Systolic, Diastolic and Mean Pressures	Systolic, DIA, MAP
33	Ability to measure Adult & Pediatric B.P	Adult /Paes/neonates
34	Rising Cuff / continuous pressure display	Rising pressure
35	Selectable auto inflate interval settings	Auto inflate
36	<b>TEMPERATURE (Rectal, Nasal, Skin Probes)</b>	
37	Numeric. Temperature selectable in 'C / 'F	Both C/F
38	Channels: 2 channels or more	2 Channel
39	Ability to measure Adult & Pediatric temperature range	Adult /Paes/neonates
40	<b>PULSE QXIMETRY: (Adults, Paeds, Neonates Probes )</b>	
41	Numeric: 0-100% Oxygen saturation measuring range	0 -100%
42	Masimo Technology/ Other patent technology with motion tolerance	Masimo
43	Waveform: Plethysmograph pulse with pulse strength indication Sensor for Pediatrics & Adult Patients	Adult & Paeds
44	<b>RESPIRATION:</b>	
45	Sweep speed: 6.25, 12.5mm/sec.	6.25/12.5 mm/sec
46	Breathe rate display and Settable Apnea Alarm.	TE Compliance
47	<b>INVASIVE BLOOD PRESSURE MODULE</b>	
48	4 Channel IBP Monitoring	4-Channel
49	Numeric: Systolic, Diastolic and Mean Pressure	Systolic, DIA, MAP
50	Variable scale: Selectable	Selectable
51	5 IBP Complete kits	L901
52	<b>ARRTHIEMIA ANALYSIS:</b>	
53	Arrhythmia analysis and ST analysis with minimum 10 Arrhythmia detection capability	10 ARR detection
54	<b>CARDIAC OUTPUT MODULE</b>	
55	Numeric Display	Numeric
56	Display of Cardiac Output	TE Compliance
57	Thermo dilution Method	Thermo dilution
58	One starter kit	K962
59	<b>CAPNOGRAPHY (ETCO2)</b>	
60	For measuring of End Tidal CO2	Kit907
61	Capability of Main / side stream measurements for intubated and non intubated patients.	Side stream
62	Airway & nasal adapter 50 each adult and Paeds	30/30
63	<b>TRENDS:</b>	

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64	Trends for at least 48-96 hours with graphical and tabular representation for all parameters	24 Hours
65	<b>ALARMS:</b>	
66	Selectable automatic Adult and Pediatric Mode alarm limits High and low (settable) on all parameters	VL190P
67	Visual and Audible indication of alarms	visual & audio
68	<b>BACKUP SUPPORT</b>	
69	Battery with back up of at least 1-2 hours in case of AC power failure for full parameters.	UPS with 1 hour
70	Wall mount or trolley original from manufacturer.	DM-190P
71	<b>Following Modules should be quote separately:-</b>	
72	<b>BIS MONITORING (Optional)</b>	QE-910P
73	<b>EEG MONITORING (Optional)</b>	AE-918P
74	Able to provide diagnostic EEG data	TE Compliance
75	Able to provide real time EEG surveillance	TE Compliance
76	4 Channel EEG	8 Channel
77	<b>PICCO (Optional)</b>	PICCO2
78	Pulse contour cardiac output	TE Compliance
79	Continuous cardiac output index	TE Compliance
80	Stroke Volume	TE Compliance
81	Stroke volume index	TE Compliance
82	integrates four invasive pressures	TE Compliance
83	Cardiac output by using single cable	TE Compliance
84	Battery backup for 1 or more hour with all parameters	UPS with 1 hour
85	The system must be complete with all sensors, probe, cable or any other accessories required for measuring all the above selectable parameters for adult & Pediatric applications. All the accessories must be supplied by the same manufacturer	Yes Offered
86	<b>CENTRAL MONITORING SYSTEM</b>	
87	Multi Channel	32 channel
88	Central station to monitor different patient data centrally	Upto 32 patients
89	Central station should be connected with above mentioned monitors wirelessly/ wired	Through wired
90	supplied with pure sine wave UPS with minimum battery backup of 1 or more hour	UPS with 1 hour
91	Provided UPS must be imported	imported
92	<b>OPERATING FEATURES &amp; CHARACTERISTICS</b>	
93	Colored monitor with min 19" or higher	24" Touch
94	Laser printer Latest HP or equivalent min 45pages/ min	HP laser printer
95	Trend display 72 hours or more	120 hours
96	Event and full disclosure for Upto 16 waveforms	16 waveform

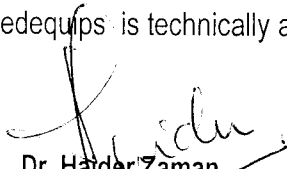



97	HL7 interface capable of connectivity with HIMS	HL7 Interface
98	Bedside connection: min 10 bedside monitors or more and will be able to enhance up to 20 or more	Upto 32 patients
99	<b>PARAMETERS</b>	
100	Selectable display of all parameters of bedside monitors	TE Compliance
101	Alarms	TE Compliance
102	All parameters alarms on central station monitor with bed No.	TE Compliance
103	Identification	TE Compliance
104	All alarms of each bedside monitors selectable form central workstation	TE Compliance
105	Firm is bound to provide 01X 55" or more LED and will install at two different places as per user recommendation and both display will be connected to central station for live viewing and monitoring of each patients	55" LED
106	Installation of network cables as per international standards will be responsibility of firm	TE Compliance
107	Central station and monitors must be from same manufacturer	TE Compliance
	<b>REMARKS</b>	<b>Technically Accepted</b>

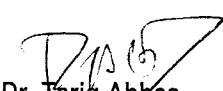
**CONCLUSION:**


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

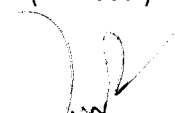
1. The offer of all firms M/S Shirazi Trading, Lahore & M/S Vertex Enterprises, Lahore & M/S Medequips is technically accepted


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


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

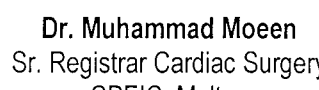
  
**Dr. Tariq Abbas**  
 Associate. Prof. of Cardiology  
 CPEIC, Multan  
 (Member)

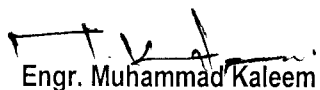
  
**Dr. Sohail Ahmad**  
 Assist. Prof. of Anaesthesia  
 CPEIC, Multan  
 (Member)

  
**Dr. Fozhan Khan**  
 Director Technical  
 CPEIC, Multan  
 (Member)

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

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

  
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