

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

A meeting of TEC "Technical Evaluation Committee" for purchase of Diathermy Machine 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: 02.02.2016 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 DIATHERMY MACHINE FOR THE YEAR 2015.16

PROCEEDINGS:

Following 05Nos. firms participated in the tender:

1. M/S Eastern Medical Technologies, Lahore
2. M/S Vertex Medical, Lahore
3. M/S Radiant Medical, Lahore
4. M/S Allmed Solution, Karachi
5. M/S Popular International, Lahore

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

1. M/S Eastern Medical Technologies, Lahore

	PRE-REQUISITES	M/S Eastern Medical
1	Model	ESU-X300NT
2	Make	Geister
3	Country of Origin: USA / Europe / Japan	Germany
4	Authorization	31.12.2016
5	Certification: (FDA (510K) / CE / JIS)	CE
6	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
7	Electrosurgical unit 350 Watt or more.	350 Watt

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8	Microprocessor based Solid State Electrosurgical unit for normal and under water cutting	Normal & Under water cutting
9	Separate controls for Monopolar and bipolar coagulation	separate control
10	Activation of 02 Monopolar sockets simultaneously.	2x Monopolar socket
11	RF power for Monopolar cutting not below 350 watts	350 watt
12	02 x Monopolar and 02 x Bipolar sockets should be available in the system.	2x Monopolar, 1x bipolar
13	Monopolar forced coagulation 200 Watt or better.	No detail provided
14	At least 3- blend modes	2 Blend modes
15	Bipolar coagulation 120 watt or better	No detail provided
16	Bipolar Cutting 120 watt or better	140 watt
17	Bipolar resection 200 watt or more	No detail provided
18	Bipolar coagulation (Ligation) 180 watt or more.	No detail provided
19	Spray coagulation	Spray Coagulation
20	Earth free patient circuit.	Earth free Pt. circuit
21	Audio and visual alarms on fault occurrence.	
22	Dual Monitoring / Patient plate & patient's skin contact Monitoring during surgery should be available on display of machine.	Pt. skin contact monitoring not available
23	Complete with:	
24	Foot switch,	Double paddle foot switch
25	Patient plate	Reusable Pt. plate
26	Monopolar handle with cord	Monopolar cord
27	Surgical needles (knives, ball electrode, loop electrode and needle (12).	TE Compliance
28	Non-Stick Bipolar forceps straight	Non-Stick not available
29	Trolley with two shelves having anti-static lockable wheels.	Locally supplied
30	Non - Stick Bipolar forceps bayonet	Non-Stick not available
31	All electrosurgical unit to conform to I.E.C-601-1 standard.	TE compliance
32	The system must have Automatic self-test.	TE compliance
33	220V 50 Hz I Phase	TE compliance
	REMARKS	Technically Rejected

2. M/S Vertex Medical, Lahore

	PRE-REQUISITES	M/S Vertex Medical
1	Model	ARC-350
2	Make	BOWA

3	Country of Origin: USA / Europe / Japan	Germany
4	Authorization	Yes
5	Certification: (FDA (510K) / CE / JIS)	CE
6	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
7	Electrosurgical unit 350 Watt or more.	350 Watt
8	Microprocessor based Solid State Electrosurgical unit for normal and under water cutting	Normal & Under water cutting
9	Separate controls for Monopolar and bipolar coagulation	separate control
10	Activation of 02 Monopolar sockets simultaneously.	2x Monopolar socket
11	RF power for Monopolar cutting not below 350 watts	350 watt
12	02 x Monopolar and 02 x Bipolar sockets should be available in the system.	2x Monopolar, 2x bipolar
13	Monopolar forced coagulation 200 Watt or better.	350 watt
14	At least 3- blend modes	3 Blend modes
15	Bipolar coagulation 120 watt or better	350 watt
16	Bipolar Cutting 120 watt or better	150 watt
17	Bipolar resection 200 watt or more	350watt
18	Bipolar coagulation (Ligation) 180 watt or more.	200 watt
19	Spray coagulation	Spray Coagulation
20	Earth free patient circuit.	Earth free Pt. circuit
21	Audio and visual alarms on fault occurrence.	Both alarm
22	Dual Monitoring / Patient plate & patient's skin contact Monitoring during surgery should be available on display of machine.	Dual monitoring
23	Complete with:	
24	Foot switch,	Cat# 901-032
25	Patient plate	816-072
26	Monopolar handle with cord	Yes
27	Surgical needles (knives, ball electrode, loop electrode and needle (12).	520-028 500-022 520-132 530-011
28	Non-Stick Bipolar forceps straight	605-040
29	Trolley with two shelves having anti-static lockable wheels.	Not offered
30	Non - Stick Bipolar forceps bayonet	605-002
31	All electrosurgical units to conform to I.E.C-601-1 standard.	TE compliance
32	The system must have Automatic self-test.	TE compliance
33	220V 50 Hz I Phase	TE compliance
	REMARKS	Technically Accepted

3. M/S Radiant Medical, Lahore

	PRE-REQUISITES	M/S Radiant Medical
1	Model	ES-350
2	Make	Emed
3	Country of Origin: USA / Europe / Japan	Poland
4	Authorization	24.08.2017
5	Certification: (FDA (510K) / CE / JIS)	CE
6	Warranty: 5 Years Comprehensive with parts & spare including backup services	5Years
7	Electrosurgical unit 350 Watt or more.	400 Watt
8	Microprocessor based Solid State Electrosurgical unit for normal and under water cutting	Normal & Under water cutting
9	Separate controls for Monopolar and bipolar coagulation	separate control
10	Activation of 02 Monopolar sockets simultaneously.	01 Monopolar socket
11	RF power for Monopolar cutting not below 350 watts	400 watt
12	02 x Monopolar and 02 x Bipolar sockets should be available in the system.	1x Monopolar, 1x bipolar
13	Monopolar forced coagulation 200 Watt or better.	180 watt
14	At least 3- blend modes	3 Blend modes
15	Bipolar coagulation 120 watt or better	120 watt
16	Bipolar Cutting 120 watt or better	150 watt
17	Bipolar resection 200 watt or more	400 watt
18	Bipolar coagulation (Ligation) 180 watt or more.	Not available
19	Spray coagulation	Monopolar spray
20	Earth free patient circuit.	No detail provided
21	Audio and visual alarms on fault occurrence.	Both alarm
22	Dual Monitoring / Patient plate & patient's skin contact Monitoring during surgery should be available on display of machine.	Pt. skin contact monitoring not available
23	Complete with:	
24	Foot switch,	1x Monopolar, 1x bipolar
25	Patient plate	Reusable silicon
26	Monopolar handle with cord	Reusable

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27	Surgical needles (knives, ball electrode, loop electrode and needle (12).	Not offered
28	Non-Stick Bipolar forceps straight	Bipolar forceps but no detail provided
29	Trolley with two shelves having anti-static lockable wheels.	Locally supplied
30	Non – Stick Bipolar forceps bayonet	Bipolar forceps but no detail provided
31	All electrosurgical unit to conform to I.E.C-601-1 standard.	TE compliance
32	The system must have Automatic self-test.	TE compliance
33	220V 50 Hz I Phase	TE compliance
	REMARKS	Technically Rejected

4. M/S Allmed Solution, Karachi

	PRE-REQUISITES	M/S Allmed Solution
1	Model	Maximum i-version
2	Make	G. Martin
3	Country of Origin: USA / Europe / Japan	Germany
4	Authorization	31.12.2016
5	Certification: (FDA (510K) / CE / JIS)	CE
6	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
7	Electrosurgical unit 350 Watt or more.	360 watt
8	Microprocessor based Solid State Electrosurgical unit for normal and under water cutting	Normal & Under water cutting
9	Separate controls for Monopolar and bipolar coagulation	separate control
10	Activation of 02 Monopolar sockets simultaneously.	2x Monopolar socket
11	RF power for Monopolar cutting not below 350 watts	350 watt
12	02 x Monopolar and 02 x Bipolar sockets should be available in the system.	2x Monopolar, 2x bipolar
13	Monopolar forced coagulation 200 Watt or better.	320 watt
14	At least 3- blend modes	3 Blend modes
15	Bipolar coagulation 120 watt or better	250 watt
16	Bipolar Cutting 120 watt or better	120 watt
17	Bipolar resection 200 watt or more	Not detail provided
18	Bipolar coagulation (Ligation) 180 watt or more.	Seal safe 320 watt

19	Spray coagulation	Spray Coagulation
20	Earth free patient circuit.	Earth free Pt. circuit
21	Audio and visual alarms on fault occurrence.	Both alarm
22	Dual Monitoring / Patient plate & patient's skin contact Monitoring during surgery should be available on display of machine.	Pt. skin contact monitoring not available
23	Complete with:	
24	Foot switch,	Cat# 80-811-32-04
25	Patient plate	80-342-04-04
26	Monopolar handle with cord	80-219-42-04
27	Surgical needles (knives, ball electrode, loop electrode and needle (12).	Yes Offered
28	Non-Stick Bipolar forceps straight	80-982-20-04
29	Trolley with two shelves having anti-static lockable wheels.	80-070-00-04
30	Non – Stick Bipolar forceps bayonet	80-992-20-04
31	All electro-surgical unit to conform to I.E.C-601-1 standard.	TE compliance
32	The system must have Automatic self-test.	TE compliance
33	220V 50 Hz 1 Phase	TE compliance
	REMARKS	Technically Accepted

5. M/S Popular International, Karachi

	PRE-REQUISITES	M/S Popular International
1	Model	Force fx 8CS
2	Make	Covidien
3	Country of Origin: USA / Europe / Japan	Taiwan
4	Authorization	30.06.2016
5	Certification: (FDA (510K) / CE / JIS)	CE/FDA
6	Warranty: 5 Years Comprehensive with parts & spare including backup services	5 Years
7	Electrosurgical unit 350 Watt or more.	No detail provided
	REMARKS	Technically Rejected

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 M/S Allmed Solution, Karachi & M/S Vertex Medical, Lahore is technically accepted while offer of M/S Eastern Medical Technologies, M/S Radiant Medical, M/S Popular International is technically rejected due to:-

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M/S Eastern Medical Technologies, Lahore

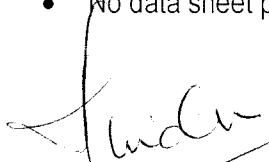
- The technical offer of said firm is rejected due to:-
- Monopolar forced coagulation 200 Watt or better not available
- At least 3- blend modes not available
- Bipolar resection 200 watt or more not offered
- Bipolar coagulation (Ligation) 180 watt or more not available
- Non-Stick Bipolar forceps straight not offered
- Non – Stick Bipolar forceps bayonet not offered

M/S Radiant Medical, Lahore

- The technical offer of said firm is rejected due to:-
- 02 x Monopolar and 02 x bipolar sockets should be available in the system.
- Bipolar coagulation (Ligation) 180 watt or more.
- Earth free patient circuit.
- Surgical needles (knives, ball electrode, loop electrode and needle (12).
- Non-Stick Bipolar forceps straight
- Non – Stick Bipolar forceps bayonet

M/S Popular International, Lahore

- The technical offer of said firm is rejected due to:-
- Country of Origin: Taiwan instead of USA / Europe / Japan
- No data sheet provided



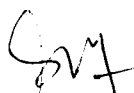
Dr. Haider Zaman
Prof. of Cardiac Surgery
CPEIC, Multan
(Chairman TEC)



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



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

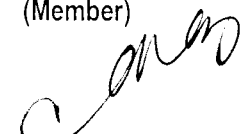


Dr. Sohail Ahmad
Assist. Prof. of Anaesthesia
CPEIC, Multan
(Member)



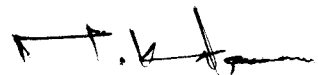
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