

CH. PERVAIZ ELAHI INSTITUTE OF CARDIOLOGY, MULTAN

TECHNICAL COMPARATIVE STATEMENT FOR THE YEAR 2015.16

NAME OF EQUIPMENT: DIATHERMY MACHINE

PRE-REQUISITES	M/S Radiant Medical	M/S Vertex Medical	M/S Allimed Solution	M/S Eastern Medical	M/S Popular International
1 Model	ES-350	ARC-350	Maximum i-version	ESU-X300NT	Force fx 8CS
2 Make	Emed	BOWA	G. Martin	Geister	Covidien
3 Country of Origin: USA / Europe / Japan	Poland	Germany	Germany	Germany	Taiwan
4 Authorization	24.08.2017	Yes	31.12.2016	31.12.2016	30.06.2016
5 Certification: (FDA (510K) / CE / JIS)	CE	CE	CE	CE	CE/FDA
6 Warranty: 5 Years Comprehensive with parts & spare including backup services	5Years	5 Years	5 Years	5 Years	5 Years
7 Electrosurgical unit 350 Watt or more.	400 Watt	350 Watt	360 watt	350 Watt	No detail?
8 Microprocessor based Solid State Electrosurgical unit for normal and under water cutting	Normal & Under water cutting	Normal & Under water cutting	Normal & Under water cutting	Normal & Under water cutting	
9 Separate controls for Monopolar and bipolar coagulation	separate control	separate control	separate control	separate control	
10 Activation of 02 Monopolar sockets simultaneously.	01 Monopolar socket	2x Monopolar socket	2x Monopolar socket	2x Monopolar socket	
11 RF power for Monopolar cutting not below 350 watts	400 watt	350 watt	350 watt	350 watt	
12 02 x Monopolar and 02 x Bipolar sockets should be available in the system.	1x Monopolar, 1x bipolar	2x Monopolar, 2x bipolar	2x Monopolar, 2x bipolar	2x Monopolar, 1x bipolar	
13 Monopolar forced coagulation 200 Watt or better.	180 watt	350 watt	320 watt	No detail provided	
14 At least 3- blend modes	3 Blend modes	3 Blend modes	3 Blend modes	2 Blend modes	
15 Bipolar coagulation 120 watt or better	120 watt	350 watt	250 watt	No detail provided	
16 Bipolar Cutting 120 watt or better	150 watt	150 watt	120 watt	140 watt	
17 Bipolar resection 200 watt or more	400 watt	350watt	Not detail provided	No detail provided	
18 Bipolar coagulation (Ligation) 180 watt or more.	Not available	200 watt	Seal safe 320 watt	No detail provided	
19 Spray coagulation	Monopolar spray	Spray Coagulation	Spray Coagulation	Spray Coagulation	
20 Earth free patient circuit.	No detail provided	Earth free Pt. circuit	Earth free Pt. circuit	Earth free Pt. circuit	
21 Audio and visual alarms on fault occurrence.	Both alarm	Both alarm	Both alarm	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	Dual monitoring	Pt. skin contact monitoring not available	Pt. skin contact monitoring not available	
23 Complete with:					

Handwritten signatures and initials:
 [Signature] [Signature] [Signature] [Signature]

PRE-REQUISITES	M/S Radiant Medical	M/S Vertex Medical	M/S Allmed Solution	M/S Eastern Medical	M/S Popular International
24	1x Monopolar, 1x bipolar Reusable silicon Reusable	Cat# 901-032 816-072 Yes	Cat# 80-811-32-04 80-342-04-04 80-219-42-04	Double paddle foot Reusable Pt. plate Monopolar cord	
25					
26					
27	Surgical needles (knives, ball electrode, loop electrode and needle (12). Not offered	520-028 500-022 520-132 530-011	Yes Offered	TE Compliance	
28	Non-Stick Bipolar forceps straight Bipolar forceps but no	605-040	80-982-20-04	Non-Stick not available	
29	Trolley with two shelves having anti-static lockable wheels. Locally supplied	Not offered	80-070-00-04	Locally supplied	
30	Non - Stick Bipolar forceps bayonet Bipolar forceps but no	605-002	80-992-20-04	Non-Stick not available	
31	All electro-surgical unit to conform to I.E.C-601-1 standard. TE compliance	TE compliance	TE compliance	TE compliance	
32	The system must have Automatic self-test. TE compliance	TE compliance	TE compliance	TE compliance	
33	220V 50 Hz I Phase TE compliance	TE compliance	TE compliance	TE compliance	
REMARKS	Technically Rejected	Technically Accepted	Technically Accepted	Technically Rejected	Technically Rejected

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