

<b>LAPAROSCOPY SYSTEM AND BASIC INSTRUMENTS</b>			
<b>#</b>	<b>Description</b>	<b>UOM</b>	<b>Quantity</b>
1.	<b>Medical monitor 32"</b> with ultra-high-definition resolution 3840x2160. <ul style="list-style-type: none"> <li>• 16:9 Aspect ratio</li> <li>• HDMI/DVI Input/Output terminals</li> </ul>	EA	1
2.	<b>Equipment trolley</b> with <ul style="list-style-type: none"> <li>• Twin swivel casters</li> <li>• 5 shelves and drawer</li> <li>• Provision for CO2 cylinder should be available.</li> </ul>	EA	1
3.	<b>Camera head</b> 3CMOS technology 1/3" full HD with integrated 15 - 35 mm HD zoom coupler	EA	1
4.	<b>Ultra HD 4k video image processor unit</b> <ul style="list-style-type: none"> <li>• should have a native resolution of 3840 x 2160 pixels system.</li> <li>• Video processor &amp; Monitor having BT 2020 video format to display true 4K color format.</li> </ul>	EA	1
5.	<b>Image and Video recording and data archiving management system</b> <ul style="list-style-type: none"> <li>• Digital storage of both still images and video sequences</li> <li>• Recording media: Internal HDD (1 TB), External USB and DVD-R</li> <li>• Should have simultaneous recording and playback feature.</li> <li>• Input / recording resolution: 4K UHD: 3840x2160p,50/60 Hz HD: 1080p ,1080i, 720p</li> </ul> Still file format: JPEG, PNG	EA	1
6.	<b>LED Light source</b> - 300W equivalent with <ul style="list-style-type: none"> <li>• High performance cold light cable of length 3.0m, Ø 4.8mm.</li> <li>• Universal adaptor for scope and light source side.</li> </ul>	EA	1
7.	<b>HD Laparoscope</b> , Ø 10,0mm, 30°, 330mm	EA	1
8.	<b>HD Laparoscope</b> , Ø 5,0mm, 30°, 300mm	EA	1
9.	<b>HD Laparoscope</b> , Ø 10,0mm, 0°, 330mm	EA	1
10.	<b>4k UHD Laparoscope</b> 5.0 mm, 0°, 300 mm	EA	1
11.	<b>Electronic insufflator</b> , 45L, with all accessories for operation and cylinder connection	EA	1

	<b>Suction and Irrigation System</b>		
	<ul style="list-style-type: none"> <li>• Compact suction and irrigation unit having irrigation pressure not less than 400mmHg &amp; Suction pressure not less than (-0.75mmHg).</li> <li>• The unit shall be supplied with a 1.5L bottle with bottle cap and stand.</li> <li>• The unit should be supplied with reusable irrigation and suction silicon tubing (2x each)</li> </ul>		
12.		EA	1
13.	Membrane suction-irrigation pump.	EA	1
14.	Trocar with multifunctional valve, dismountable Ø 11,0mm	EA	2
15.	Trocar with multifunctional valve, dismountable Ø 5,5mm	EA	4
16.	Obturator, blunt tip, Ø 11,0mm	EA	1
17.	Obturator, triangular/pyramidal sharp tip, Ø 11,0mm	EA	1
18.	Obturator, triangular/pyramidal tip, Ø 5,5mm	EA	4
19.	Reducer sleeve, Ø 11,0 to 5,5mm	EA	1
20.	Flip-on reducer, Ø 11,0 to 5,5mm	EA	2
21.	Kelly forceps, 330mm, Ø 5,0mm, Xpress Lock	EA	2
22.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1
23.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
24.	Corce-Olmi grasper, double fenestrated, 330mm, Ø 5,0mm, Xpress Lock	EA	2
25.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	2
26.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	3
27.	Mixer, 90°, cross serrated, 330mm, Ø 5,0mm, Xpress Lock	EA	1
28.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1
29.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
30.	Cobra style grasper, 330mm, Ø 5,0mm, Xpress Lock	EA	2
31.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	2
32.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	2
33.	Johan grasping forceps, 330mm, Ø 5,0mm, Xpress Lock	EA	1
34.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1
35.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
36.	Babcock, 330mm, Ø 5,0mm, Xpress Lock	EA	1
37.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1

38.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
39.	Standard grasper, cross serrated, 330mm, Ø 5,0mm, Xpress Lock	EA	1
40.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1
41.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
42.	Large spoon forceps, 330mm, Ø 10,0mm, Xpress Lock	EA	1
43.	Sheath, 330mm, Ø 10,0mm, Xpress Lock	EA	2
44.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
45.	Claw forceps, 330mm, Ø 10,0mm, Xpress Lock	EA	1
46.	Sheath, 330mm, Ø 10,0mm, Xpress Lock	EA	1
47.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
48.	Metzenbaum, curved, 330mm, Ø 5,0mm, Xpress Lock	EA	1
49.	Sheath, 330mm, Ø 5,0mm, Xpress Lock	EA	1
50.	Reinforced carbon fiber handle without ratchet, black, for Xpress Lock	EA	1
51.	Electrode, L-hook, 330mm, Ø 5,0mm	EA	2
52.	Monopolar Cable, Ø 4,0mm socket, Ø 4,0mm plug, 3m, Ackermann, Erbe T, Martin, Berchtold generators	EA	2
53.	Bipolar Maryland, 330mm, Ø 5,0mm	EA	1
54.	Sheath for bipolar detachable instruments, 330 mm, Ø 5,0mm	EA	1
55.	Handle for bipolar detachable instruments	EA	1
56.	Bipolar fenestrated grasper, 330mm, Ø 5,0mm	EA	1
57.	Sheath for bipolar detachable instruments, 330 mm, Ø 5,0mm	EA	1
58.	Handle for bipolar detachable instruments	EA	1
59.	Bipolar cable, 3,0m, square instrument plug, 29mm generator side	EA	2
60.	5-finger retractor, articulating, 330mm, Ø 10,0mm	EA	1
61.	Snake retractor, straight, 450mm, Ø 5,0mm	EA	1
62.	Suction-irrigation pistol handle with 2-way valve	EA	1
63.	Tube for 11-1276, Ø 5,0mm	EA	1
64.	Axial Needleholder, angled handle, left curved jaw, 330mm, Ø 5,0mm	EA	1
65.	ETH-Romeo Needleholder, left curved, 330mm, Ø 5,0mm	EA	1
66.	Endoscopic Clip Applier, dark green (ML), ring handle, 330 mm, Ø10,0 mm, for Europclips	EA	1

67.	Injection needle (1,5mm/16 gauge) with luer lock, 330mm, Ø 5,0mm	EA	1
68.	Fascia closing suture passer with stop, 180mm, Ø 3,0mm	EA	1
69.	Medium-large Europclips, 6 pcs. per cartridge, 20 cartridges per box (120 pcs.)	EA	5
70.	Verres needle, 150mm	EA	2
71.	Hasson-cone, stainless, with suture ties, Ø 11,0mm	EA	2
72.	1/1 Container, bottom non-perforated, silver lid, 580 x 280 x 260mm	EA	1
73.	1/1 Container, bottom non-perforated, silver lid, 580 x 280 x 100mm	EA	1
74.	Plastic sterilization case, for endoscopes, 470 x 100 x 70mm	EA	1
75.	HASSON cone with suture ties, Ø 11.0 mm, stainless steel	EA	2
76.	HASSON cone with suture ties, Ø 11.0 mm, reinforced carbon fiber	EA	2
77.	Camera head holder, c-mount	EA	1
78.	Trocar with silicon valve, dismountable, threaded cannula, reinforced carbon fiber, Ø 11mm	EA	1
79.	Trocar with silicon valve, dismountable, threaded cannula, reinforced carbon fiber, Ø 5,5mm	EA	1
80.	Sealing cap, Ø 5,5mm	EA	1
81.	Sealing cap, Ø 11,0mm	EA	1
82.	Bipolar forceps, fenestrated, 330mm, Ø 5,0mm	EA	1
83.	Bipolar insert, Maryland, 330mm, Ø 5,0mm	EA	1
84.	Handle for bipolar modular forceps, 330mm	EA	1
85.	Bipolar cable, 3,0m, round instrument plug, 2-banana generator side	EA	1
86.	1/1 Container, bottom non-perforated, silver lid, 580 x 280 x 260mm	EA	1
87.	1/1 Container, wire basket, 535 x 250 x 70mm	EA	1
88.	1/1 Container, Silicone mat, blue, 520 x 230mm	EA	1
89.	Endoscope Container, perforated, with silicone mounting, 470 x 80 x 74mm	EA	1