

AMDA-Nepal
Siddhartha Children and Women Hospital
Butwal-07, Rupandehi
Technical Specification of Syringe Pump

Sn	Items Name	Specification	Unit	Qty	Rate/Unit	Vat	Amount	Remarks
1	Syringe Pump	A) The pump should be user friendly that simplifies Infusion workflow and satisfies various clinical needs.	Set	1				
		B) Should have Various mode that includes rate mode,time mode and body weight mode.						
		C) Flow rate: 0.1 - 2000ml/h.						
		D) Bolus rate: 0.1 - 2000ml/h.						
		E) VTBI: 0.1- 9999ml/h.						
		F) K.V.O: 0.1- 5ml/h.						
		G) Occlusion detection 5 levels.						
		H) Audio and visual Alarms: Occlusion,Low Battery,syringe near empty,No AC,Kvo finished System Error.						
		I) Syringe should be Compatible with all locally available syringe in the Nepali market,Syringe selectable 5/10/20/30/50/60 ml.						
		J) Rechargeable Battery with at least Six hours of battery Back up.						
Accessories								
		A) Machine with Machine Machine stand.						
		B) Should supply all necessary accessories with User Manual.						
		C) The firm should Provide Trainig /Orientation/Demostration about Operating system of Machine.						
Warranty								
		A) At least two years Performance warranty from date of Installation.						
		B) Additional four years comprehensive warranty in case of Break down.						

Estimated by
Date:

Prakash Adhikari
Prakash

Checked By:
Date:

Prakash
21/08/2023

Approved by:
Date:

Prakash

AMDA-Nepal
Siddhartha Children and Women Hospital
Butwal-07, Rupandehi
Technical Specification of Infusion Pump

Sn	Items Name	Specification	Unit	Qty	Rate/Unit	Vat	Amount	Remarks
1	Infusion Pump	A) The pump should be user friendly that simplifies Infusion workflow and satisfies various clinical needs.	Set	1				
		B) Should have fast start function that enables the first drop to be delivered within 2-3 seconds ensuring timely Infusion therapy for patient safety.						
		C) Should have Various mode that includes rate mode,time mode, body weight mode and sequential mode.						
		D) Flow rate: 0.1 - 2000ml/h						
		E) Volume to be Infused(VTBI): 0.1 - 99999ml.						
		F) Anti-Bolus,Ultra Sound sensor detection,KVO etc.						
		G) Volume infused: 0-36000ml.						
		H) Battery with Alaram, Door open, Occlusion, Almost done, forget operation, infusion completion,Low battery.						
Accessories								
	A) Machine with Machine Machine stand.							
	B) Should supply all necessary accessories with User Manual.							
	C) The firm should Provide Trainig /Orientation/Demonstration about Operating system of Machine.							
Warranty								
	A) At least two years Performance warranty from date of Installation.							
	B) Additional four years comprehensive warranty in case of Break down.							

Estimated by *Jeesh Adhikari*
 Date: *Jeesh A.*

Checked By: *Subi*
 Date: *21/7/2023*

Approved by: *Suma*
 Date:

AMDA-Nepal

Siddhartha Children and Women Hospital
Butwal-07, Rupandehi

Technical Specification of Electro Surgical Diatherapy Unit

Sn	Items Name	Specification	Unit	Qty	Rate/Unit	Vat	Amount	Remarks
1	Electro Surgical Diatherapy Unit		Set	1				
	1	Instant response technology ensures that the power delivered remain virtually constant, regardless of the tissue type.						
	2	Improved Performance at Lower power setting minimize the risk of tissue damage and Neuromuscular Stimulation.						
	3	Three touch Screen with enhanced ease of use, simple controls and intuitive information diaplays.						
	4	Unit should have advanced mode for a unique combination of monopolar hemostasis and dissection whilw using a lower power setting resulting in less char, less thermal spred and less arching than a traditinal coagulation mode.						
	5	Three internal micro controllers reduce system reaction time and increase the system processing speed.						
	6	Spray coagulation voltage of no more than 9000 volts peak to peak output for board, but superficial coagulation with limited capacitive coupling.						
	7	A power efficiency rating of approximately 98 or more for for cut performance.						
	8	Three cut modes, all controlled by instant response technology, offer surgens a variety of choices.						
		a) Low cut for dedicate tissue or endoscopic cases.						
		b) Pure Cut for clean, precise cut.						
		c) Blend for cutting with hemeostasis.						
	9	Coagulation modes.						
		a) Desiccate for low voltage contact coagulation suitable in endoscopic and delicate tissue work.						
		b) High crest factor for efficient non contact coagulation in most applications.						
		c) Low crest factor for lower voltage coagulation in requirements.						
		d) Spray for coagulating large tissue areas with superficial depth of necrosis.						
	10	Three polar Modes.						
		a) Different setting in bipolar are controlled by the instant response system.						
		b) Precise, standard, macro setting utilize low voltage to prevent sparking.						
	11	Unit should have Auto bipolar Mode.						
		a) Argon coagulation system.						
		b) Ultrasonic surgical aspirators.						
		c) Smoke evacuator.						
		d) Bipolar current Monitor.						
	12	Unit should be advanced Microcontroller based Technology.						
	13	Unit should have digital voltage indications for Bipolar, Monopolar cut and coagulation.						
	14	Unit should have Isolated monoplar and Bipolar outputs.						
	15	Unit should have facility to use Bipolar mode and Monopolar function without switch over.						
	16	Unit should have split type patient plate contact monitoring system for maximum patient safety.						

17	Out Put wave forms: Bipolar								
	Precise: More than 300 KHZ								
	Standard: More than 300 KHZ								
	Macro: More than 300 KHZ								
18	Monopolar Cut								
	Low : More than 300 KHZ								
	Blend : More than 300 KHZ								
19	Monopolar Coag.								
	Desicate More than 300 KHZ								
20	Vessel Sealer Mode (Vessel Sealing System)								
Accessories									
	a) Monopolar foot switch-One piece								
	b) Bipolar Foot Switch- One piece								
	c) Disposable Hand switching pencil-Five piece								
	d) Disposable patient plate monitoring syster-Five piece								
	e) Bipolar forceps-One piece								
	f) Forceps cord : One piece								
	g) Universal Adapter-One piece								
	h) Non disposable patient plate- One piece								
Warranty									
	a) At least two years Performance warranty from date of Installation.								
	b) Additional four years comprehensive warranty in case of Break down.								