त्रिभुवन विश्वविद्यालय
शिक्षण अस्पताल
तार-टुथमेड
महाराजगञ्ज
काठमाडौं, नेपाल ।

पत्र संख्या :-

मिति :.....

सूचना

२०८२।०९।२४

यस त्रि.वि.शिक्षण अस्पतालको लागी तपसीलमा उल्लेखित सामाग्री खरिद गर्नु पर्ने भएकाले उक्त सामाग्री आपूर्ति गर्न इच्छुक इजाजत प्राप्त सप्लायर्स/कम्पनी/फर्महरुले यो सूचना प्रकाशित भएको मितिले **सात**(७) दिन भित्र आवश्यक सम्पुर्ण कागजात सहित शिलबन्दी दरभाउपत्र अस्पतालको सामान्य प्रशासन शाखा "क" मा पेश गर्नुहुन सूचित गरिन्छ । साथै थप जानकारीको लागी सामान्य प्रशासन शाखा 'क' मा सम्पर्क गर्न सकिनेछ ।

तपशिल :

S.N.	Particulars	Unit	Quantity
1.	**PCA Pump**	set	3 (Three)

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सरस्वती गुरुङ्ग
प्रमुख
सामान्य प्रशासन 'क'

फोन नं. : ४५-१२४०४, ४५-१२५०५, ४५-१२७०७, फ्याक्स : ९७७-१-४२२५५३, पोष्ट बक्स नं. : ३५७८
E-mail: tuthdirector@iom.edu.np, Website: www.iom.edu.np

1. Price Schedule for Machine

1	2	3	4	5	6	7	8
Item	Description	Unit	Quantity	Unit price (Site Delivery)	Total price in figure (cols. 4 x 5)	Total price in words	Remarks
1	**PCA Pump**	**Set**	**3(Three)**				
				Total Amount			
				Add 13% Value Added Tax			
				Total Including VAT			

Total Price ……. …… (in words)

Signature and Stamp of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail

2. Schedule of Requirements

The delivery schedule expressed as days/weeks/months stipulates hereafter a delivery date which is the date of delivery to the final destination where the Goods is required to be delivered.

No.	Description	Quantity	Place of Delivery	Delivery schedule days/weeks/months from date of Purchase Order
	PCA Pump	**3 (Three) Set**	TUTH, Maharajgunj, Ktm.	Seven Days

Technical Specifications and Cost Estimation Of PCA Pump:

S.no	Technical specification	Bidder's Offer
	Name of the bidder:	
	Manufacturer:	
	Country of Origin:	
	Made in:	
	Brand:	
	Type /Model :	
1	**It should have following infusion process:**	
a	Loading Dose+ PCA Bolus,	
b	Continuous Infusion + PCA Bolus	
c	Loading Dose + Continuous Infusion + PCA Bolus	
d	Single PCA Bolus	
2	Bolus dose:0.01-9.99ml or better	
3	PCA Dose Unit: ml, Dose (ng, ug, mg, g, mU,U,KU, EU, mmol, mol, mcal, cal,kcal, and mEq)	
4	Lock time: 1-900min or better	
5	Infused drug Conc.: 0.001-9999.99 or better	
6	Bolus Limit: 0-999.9ml per hour	
7	Should have screen lock and drive lock for safety purpose.	
8	Should have Infusion status indicator.	
9	The device must be of front Loading system.	
10	Should be supplied with wired handset.	
11	The device shall work on standard disposable Syringes of 2/3/5/10/20/30/50/60ml sizes of different makes. Should automatically recognize syringe size.	
12	The device shall have flow rate programmable from 0.01 ml to 2000 ml/hr in increments of 0.01 ml/hr , 0.1ml/hr and 1ml/hr with infused volume display.	
13	Flow rate accuracy : < + 2% with the syringe and infusion set	
14	Delivery volume Rate : 0.01-9999.99 ml	
15	Bolus rate : 0.01-2000ml/hr (automatic or manual)	
16	Total volume infused : 0.1 to 999.99ml in 0.1ml increments with resetting volume.	
17	KVO rate: 0.01 ml /hr to 5ml/hr (increament 0.01ml/hr)	
18	Purge Rate: 0.01 - 2000ml/hr	
19	**Audio and Visual Alarms (2 level High and Low):**	
a	Occlusion	
b	Syringe empty, Disengaged, No syringe	
c	AC power failure, Battery Error	
d	End of injection pre alarm / Near empty	
e	Infusion completion	
f	K.V.O	
g	System failed /internal error	
h	Drive disengaged alarms /plunger grip error	
i	PCA Cable Detached	
20	System should have provision of Docking system compatibility as well.	

21	Should have automatic bolus reduction system to avoid accidental bolus delivery after occlusion incident.	
22	Should have function that assure the ability to change the delivery rate during infusion at minimum increment of 0.1ml	
23	Keep Vein Open (KVO) should be available with facility to set KVO flow rates from 0.1 to 5 ml/hr and option to keep the function OFF.	
24	Rechargeable Li-ion internal battery with at least 5 hours.	
25	The device must have Dynamic pressure system with upper and lower threshold limit.	
26	The device should detect free flow or line disconnections.	
27	The device shall have pressure monitoring system for Occlusion alarm. Selectable Occlusion pressure trigger levels from 50- 1000 mmHg.	
28	The device shall have facility to store the last infusion data.	
29	Drug library with atleast 5000 drugs with color coding name shall be available .	
30	The device shall have touchscreen TFT color display of at least 3inch for Rate, Drug name, battery status, occlusion level, syringe size, syringe brand etc display at a glance.	
31	The device shall have separate alarm silence key.	
32	The device shall contain at least 10 drugs profiles each software configurable	
33	The device shall have the possibility of editing Drug library for setting normal infusion rate, bolus and loading dose parameters, default infusion mode, soft and hard limits for infusion rates with use of external software.	
34	Protection of class I and IP 33 or above standard.	
35	Shall have automatic key pad lock during operation except ON/OFF and start for safety.	
36	Shall have programmable PAUSE up to 12 hours or more.	
37	Shall be compatible with all local available syringes and most of the IV stands (macro/micro drip sets) available in Nepalese market.	
Terms and conditions		
1	The unit should be ISO and CE marked to European medical devices directive or US FDA certificates shall be valid .	
2	The supplier must submit the original brochure or e-copy	
3	The supplier should fill the technical tender form and clearly mention the manufacturer, model no. and country of origin/Made in, else technically will be disqualified.	
4	The bidder must submit a valid authorization letter from the manufacture.	
5	Shall have 3 year's complete parts and service warranty and additional 2 years of service warranty.	
6	List of all required parts should be listed with price if parts damage or needed to be replaced is not in the list company should provide such parts free of cost.	
7	Onsite repair & maintenance training and operational training to the hospital's Biomedical Engineer, Biomedical technicians and users.	
8	The machine supplied shall be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.	
9	1 (hard and softcopy) of service & Operating manual in English should be provided at the time of installation.	