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

पत्र संख्या :-

मिति :.....

सूचना

२०८३।०७।१३

यस त्रि.वि.शिक्षण अस्पतालको EEG विभागको लागी आवश्यक तपसीलमा उल्लेखित सामग्री 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.	Description	Req.Unit
1.	32 Channel EEG Machine.	1 Set

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सरस्वती गुरुङ्ग
प्रमुख
सामान्य प्रशासन 'क'

फोन नं. : ४५-१२४०४, ४५-१२५०५, ४५-१२७०७, फ्याक्स : ९७७-१-४४-२२५५३, पोष्ट बक्स नं. : ३५७८
E-mail: tuthdirector@iom.edu.np, Website: www.tuth.org.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	**32 Channel EEG Machine.**	Set	1 (One)				
				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
	32 Channel EEG Machine.	1(One) Set	TUTH, Maharajgunj, Ktm.	10 Days

3) Technical Specification for EEG Machine.

S. N.	Purchaser's Specifications	Bidders Offer
	Portable EEG MACHINE	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	32 channel full band simultaneous acquisition of raw data.	
2	Data transmission through high speed USB or better.	
3	Simultaneous data acquisition and analysis of same patient.	
4	LED based photic stimulator to reduce acoustic electrical interference .	
5	Should have Online true AC Impedance check that display numeric values of all electrode impedances.	
6	Should be Compatible with PC.	
7	EEG should have synchronous digital video capabilities.	
8	Unlimited online and offline montage and filter reformatting.	
9	Spike and Seizure detections.	
10	User programmable acquisition and photic sequences protocols.	
11	Event marking with review and printing options.	
12	Automatic or manually paging facility for quick review and analysis.	
13	Compressed Spectral Array (CSA) and Density Spectral Array (DSA).	
14	Color coding as per 10-20 international standards.	
15	User configurable multiple display and report format.	
16	Online true AC Impedance check that display numeric values of all electrode impedances.	
17	Online or offline data transfer through Internet / Intranet.	
18	Should be supplied with Mobile cart with stand for Head box & Photic flash.	
19	Should provide EEG input channels :24 EKG input channel: 2 (bipolar) Configurable input channels:3 (bipolar) DC/External transducer inputs :3 Total Inputs:32 Low Filters : 0.1, 0.3, 0.5, 1, 3, 5 Hz and user selectable (0-7 Hz), single Pole High Filters:15, 35, 70 and user selectable (10-99), single Pole Notch :Off, 50 / 60 Hz Sensitivity:1-1000 µV / mm and one user selectable value A/D Conversion :16 bitor more digital resolution. Sampling Rate :1024 Hz Storage Rate:256 Hz Resolution :0.153µV Dynamic Range:10mV P-P CMRR :> 100 dB (0.1-100 Hz) Noise Level :< 0.3µV RMS Input impedance:> 10 Mohm (0.1-100Hz)	
20	Connectivity to host PC: High speed USB Export formats: PDF, MS Word, MS Excel & EDF Safety:1.5 KV isolation.	
21	Minimum Computer Configuration - All-in-One Computer PC: Intel Core i5 processor, minimum 8 GB RAM, 512 GB SSD, Integrated LED display, minimum 21 inch, Full HD (1920 × 1080) , genuine Windows OS, and VESA/trolley-mount	

22	Camera Features: 1. Should have camera delivering great image quality in at least 4 MP with 10X or better optical zoom, offers continuous 360° pan, up to at least 90° tilt and autofocus ensures detailed, sharp images - every time. 2. PoE or 24V with audio and I/O connectivity. 3. Automatic IR-cut filter	
23	Trolley 1.The trolley should be designed to ensure stable operation, and safe cable management, allowing the complete system to be moved efficiently within the clinical environment (Different ICUs). 2. The complete system shall be supplied as a fully integrated, trolley-mounted solution. 3.The trolley should be provided with lockable castor wheels	
24	**Accessories and other Components:** 1. ALL IN ONE PC with EEG acquistion software-1 set 2. Trolley- 1 pcs 3. PTZ Camera -1 pc 4. Full set EEG Electrodes: 2 Sets 5. EEG Cap: 2 Set 6. EEG GEL to be used with EEG cap -2pcs and EEG paste -2pcs	
5	**Terms and Conditions**	
a	The unit should be CE marked to European medical devices directive OR US- FDA certificates must be valid.	
b	The supplier must submit the brochure or e-copy.	
c	Should have 2 years complete parts and service warranty excluding consumable and additional two years of service warranty	
d	Certification of manufacturer guaranteeing the availability of all spare parts for next 10 years.	
e	Onsite repair & maintenance training and operational training to the Hospital's technical, biomedical staffs and Users.	
f	1 copy of operating manual in English should be provided at the time of installation.	
g	The bidder should submit the valid authorization letter from the manufacturer.	
h	The machine supplied should be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.	
i	All the standard accessories to run the machine shall be provided during the time of installation.	
j	The cost of important spares must be submitted; else bid will be disqualified.	