



नेपाल सरकार
स्वास्थ्य तथा खाद्य स्वच्छता मन्त्रालय
राष्ट्रिय आयुर्वेद अनुसन्धान तथा तालिम केन्द्र
कीर्तिपुर, काठमाडौं, नेपाल

फोन नं. : ०१-४३३६२५४, ४३३४५१५

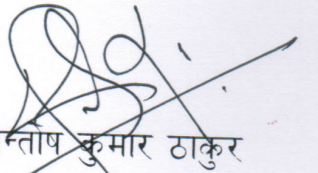
पत्र संख्या :

चलानी नं. :

**Flat Panel detector System & Soft Tissue Diode Laser for Proctology र
Endovenous Varicose Vein (EVLT) उपकरणहरूको दररेट पेश गर्ने सम्बन्धी
सूचना**

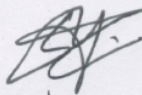
दोस्रो पटक सूचना प्रकाशन मिति: २०८३-०७-१०

यस केन्द्रको चालु आ.व. को स्वीकृत वार्षिक कार्यक्रम अनुसार Flat Panel detector System & Soft Tissue Diode Laser for Proctology र Endovenous Varicose Vein (EVLT) उपकरण खरिद कार्य अगाडी बढाउने सन्दर्भमा लागत अनुमान तयार गर्ने प्रयोजनको लागि संलग्न स्पेशिफिकेशन अनुसारको उपकरणहरू के कति दररेटमा उपलब्ध गराउन सकिन्छ, मिति २०८३/०७/१७ गते भित्र सो को बजार मूल्य सूचीको Hard Copy वा Scan Copy केन्द्रको ईमेल nartckirtipur1@gmail.com मार्फत उपलब्ध गराइ दिनु हुन सम्बन्धित सरोकारवालाहरूको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ।

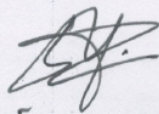

डा. सन्तोष कुमार ठाकुर
कार्यकारी निर्देशक

Flat Panel Detector System		
S.N.	Purchaser's Specifications	Bidder's Offer
	Flat Panel Detector System	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	Description of Function	
1.1	Flat Panel Detector System is used to capture x-ray radiation to provide image	
2	System Configuration	
2.1	Flat panel detector, working station and online UPS	
3	Technical Specifications	
A	Flat Panel Detector System	
	The detectors Scintillator material should be made up of Cesium Iodide and sensor with appropriate technology.	
3.1	Cesium Iodide (CsI) Scintillator or Equivalent	
3.2	Should be Portable. 14x17 inches in size and wireless functionality.	
3.3	Should incorporate Latest Technology (Oxide based technology/CsI) Flat Panel technology for higher resolution and faster pixel response time.	
3.4	Should have Lossless AED/AWC to increase dose efficiency and image quality by detecting X-ray start and finish with perfect precision	
3.5	Should have spatial resolution of 3 lines per millimeter or more.	
3.6	The Pixel Matrix should not be lesser than 2300 x 2800 pixels.	
3.7	The Pixel pitch should be 150μ or lesser	
	Should have a minimum image depth of 16 bit or more	
3.8	The detector should be light weight (≤ 4 Kgs) including battery.	
3.9	Detector should have at least IP33 rating or more for ingress protection from dust & liquid.	

3.10	The system should have feature to increase sharpness in the images that improves the possibility of detecting abnormalities.	
3.11	Two batteries should be provided with a battery charger.	
3.12	The Detector should have display to view the Detector status..	
3.13	Easy switch from sleep mode to acquisition mode for better battery performance.	
3.14	The Detector should be supplied with 2 Nos. Lithium Ion/Polymer Batteries	
3.15	Measurements, Annotations, ROI, Markers, Image Rotation etc.	
	Connectivity / Data Export:	
3.16	The System should have LAN Connectivity Port for transferring the DICOM Image to PACS / Imager	
3.17	Networking Compatibility; Local/MWL/Storage Server/MPPS/Printer	
3.18	Image Station	
3.19	CPU – Intel i5 or better, RAM – 8GB, HDD –1TB,	
3.20	Display Monitor: 24” size or more; 1900 x 1080 Pixels or better	
B	Accessories, Spare Parts and Consumables	
3.22	Online UPS of appropriate capacity with 30 min backup to run the computer system	
3.23	LED View Box able to hold one 14x17, 10x12, 8x10 size film.	
3.24	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidder's must specify the quantity of every item included in their offer (including items not specified above)	
4	Must be compatible with hospital's existing X-ray system and printer	
5	Operating Environment	
5.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, humidity, etc	
6	Standards & Safety Requirement	
6.1	Must submit ISO 13485:2016 for Medical Devices for Flat Panel Detector System	



6.2	CE and USFDA-approved product certificate for Flat Panel Detector System.	
6	User Training	
6.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment as well as routine checks and maintenance expected by users	
7	Warranty	
7.1	Comprehensive Warranty for 2 Years after acceptance.	
8	Maintenance Service During Warranty Period	
8.1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown whenever required	
9	Installation & Commissioning	
9.1	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchasers in advance in details	
10	Documentation	
10.1	User(Operating) manual in English	



Technical specification of Soft Tissue Diode Laser for Proctology and Endovenous Varicose Vein (EVLT)

S.N.	Purchaser's Specifications	Bidder's offer
	Soft Tissue Diode Laser for Proctology and Endovenous Varicose Vein (EVLT)	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	Description of Function	
1.1	Soft Tissue Diode Laser for Proctology and Endovenous Varicose Vein	
2	System Configuration	
2.1	Complete set with all accessories for proctology and Endovenous Varicose Vein	
3	Technical Specifications	
3.1	The system should be a Diode, Semiconductor Type Laser	
3.2	The system should have 1470nm and 650nm wavelength	
3.3	The system should have maximum power 15watts approx..	
3.4	The Machine should be capable of using in dual coherence (1470nm+650nm)	
3.5	The Machine Should have Alarm for energy Emission & pulse Emission	
3.6	The Display Size of the system should be big for clear viewing of parameters, at least 8 inches	
3.7	The system should have Footswitch operation for Beam Emission Initiation	
3.8	The Foot switch should have minimum IPX4 Protection Degree Standards	
3.9	The system should have Inbuilt Air and Thermoelectric Cooling system	
3.10	The system should have Continuous or Modulated Operating Mode	
3.11	The system should have Pulse Time: 10us to 900 ms or better range	
3.12	There should be a button for any emergency situation.	
3.13	The system should have Optical Fiber Connector which accepts optical fibers having different diameters	
3.14	The system should be a handy model and easy to carry and move from one place to another	
3.15	The system should have Laser according to EN 60825:1:2014 safety standards	
3.16	The system should have Electrical Safety Standards	
4	Accessories, Spare Parts and Consumables	

Signature 1 *Signature 2*

4.1	The system should be supplied with the following accessories	
	Foot Switch – 1 no.	
	Radial Fibre, approx..600 microns – 1 no.	
	Bare Fibre, approx.600 microns – 1 nos.	
	Safety Glass – 2 nos.	
	Proctology Hand piece – 2 no.	
	All standard accessories/consumables to operate	
4.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, are to be included in the offer.	
5	Operating Environment	
5.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, humidity, etc.	
6	Easy to use	
7	Safety and Standards	
7.1	Must be ISO certified	
8	Warranty	
8.1	Should provide comprehensive warranty of 2 years	
9	Maintenance Service During Warranty Period	
9.1	During warranty period supplier must ensure preventive maintenance & corrective/ breakdown whenever required	
10	Installation & Commissioning	
10.1	Should be installed by qualified and trained engineer with demonstration	
11	Documentation	
11.1	User (Operating) manual in English	

