वी.पी.कोइराला स्वास्थ्य विज्ञान प्रतिष्ठान धरानको
कोटेशन माग गरिएको सूचना ।
(सूचना प्रकाशित मिति:२०८३।०७।१३)

यस प्रतिष्ठानको स्त्री तथा प्रसुती रोग विभागको लागि आवश्यक **Digital Colposcope – १ थान** खरिद गर्नुपर्ने भएकोले अनुमानित लागत प्रयोजनको लागि व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व. २०८१/०८२ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सुचना प्रकाशित मितिले ७ (सात) दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्याद भित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गर्नुपर्नेछ ।

Specification of Digital Colposcope

	Manufacturer:
	Brand
	Type / Model
	Country of Origin
S.N.	**Purchaser's Specifications**
1	**Description of Function**
1.1	The video colposcope device used for examining the lower genital tract with innovative technologies, which enable to observe cervical examination on a video monitor and perform image zooming, electronic green filtering and freeze operations. In addition, with image workstation image data can be acquired, save, edited into diagnosis reports and analyzed. It shall be helpful for observing and recording.
2	**Operational Requirements**
2.1	It shall incorporate latest digital signal processing technology to provide high resolution images for effective colposcopy diagnosis & treatment.
3	**System Configuration**
3.1	Digital Video Colposcope, complete unit and with complete accessories.
4	**Technical Specifications**
I	**Camera System:**
4.1	It must have a genuine medical-grade SONY 1/2.8-type Exmor Progressive Scan CMOS sensor with high-speed digital signal processing.
4.2	It must have HD, minimum 1920 x 1080 resolutions and must have 42.8 megapixel or more for forensic detailing and reporting.
4.3	It should have aspect ratio of 16:9 (HD) or better.
4.4	It must be digital matrix processor or similar.
4.5	The Digital video colposcope must have corner to corner uniform brightness.
4.6	It must have footswitch in the output cable.
4.7	The video colposcope must have magnification from min.1x to 52 x.
4.8	Focal distance 200-400mm.
4.9	Field of view 10-120mm.
4.10	Depth of view -5-200mm.
4.11	Working distance: 250-300mm.
4.12	It shall have minimum 10MP or higher.
4.13	Resolution must be > 825 lines (Std.).
4.14	Facility to increase and decrease the light intensity.
4.15	It shall have varying color contrast.
4.16	Shall have high MCD super bright white shadow less LED light for true color reproduction.
4.17	Color temperature should be > 5500-6000°K and shall have LED lamp life minimum 50000 hrs. of operation.
4.18	Facility for fast focusing, zooming, image freeze using thumb on the hand -held unit itself.
4.19	Acetic test timer and magnification indicator shall be available for display on screen.
4.20	Shall have electronic green filter in the hand-held unit.
4.21	Control panel shall have soft touch and water proof illumination buttons.
4.22	Facility for fast auto /manual focusing. Auto focus range shall be up to 20-30/ 30-40 cm.
4.23	Internal Image freeze function facility.
4.24	It shall be equipped with Gamma Processor to enhance vascular structure
4.25	It shall have remote control facility, so that it can be operated from a distance.
4.26	Shall come with imported explosion proof footswitch to save the pictures.

II	**Image Management Software:**
4.27	Shall have facility to masking, marking and highlighting of any abnormalities.
4.28	Should have facility to generate report of sexual abuse cases.
4.29	Image capturing while recording/playing.
4.30	Final reports with one, two, three & four images with facility to adjust height & width of images.
4.31	Shall have minimum 100 pictures can be saved for single colposcopy in software.
4.32	Shall have minimum 300 reference pictures shall be available in software
4.33	Shall have referral linked images with findings for comparison.
4.34	Facility to get referral linked images.
4.35	Facility to save & send the report through e-mail in pdf format.
4.36	Facility of colposcopy assisted dynamic cases.
4.37	Facility to take colposcopy images with the colposcopy report on hard copy.
4.38	Facility to store still images, cine loop or procedure on CD
4.39	Software shall be compatible with both desktop & laptop, no need of separate capture card.
4.40	It should have Built-in interactive scoring templates supporting both the Reid Colposcopic Index (RCI) and SWED Score diagnostic assessment guidelines.
4.41	Colposcopy software should run on window 8 or latest operating system.
4.42	Online support facility (through internet) for software of the system.
4.43	The software shall have facility for future upgradeability.
4	**Accessories and Consumables**
5.1	Laptop, a color printer and Colposcope
5.2	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer.
5.3	The bidder must provide 13 pcs of 15 mm Leep probe.
5.4	The bidder must provide 5 pcs of 20 mm Leep probe.
5.5	The bidder must provide 2 pcs of 3 mm Ball probe.
5.6	The bidder must provide one endocervical speculam, one lateral vaginal wall retractor and two trischler biopsy forcep.
6	**Operating Environment**
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 2 meter in length.
7	**Standards and Safety Requirements**
7.1	Must submit ISO13485:2016/AC:2007 for Medical Devices
7.2	CE (93/42 EEC Directives) and US-FDA approved product certificate.
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.
8	**User Training**
8.1	Must provide user training (including how to use and maintain the equipment).
9	**Warranty**
9.1	Comprehensive warranty for 2 years after acceptance.
10	**Maintenance Service During Warranty Period**
10.1	During warranty period supplier must ensure maintenance whenever required.
11	**Installation and Commissioning**
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.

