Technical Specification:

High Definition Digital Video Colposcope with Image Management System.

- Should have >1000 TV Lines std. >1200 TV Lines (Gamma ON)
- Should have Full HD – 1920 x 1080 resolution
- Should have CCD sensor – (1/3 type Exmor CMOS sensor)
- Should have aspect 16:9(HD)
- The video colposcope must have magnification from min.1x to max.45x
- Facility to increase and decrease the light intensity
- Should have 20,00,000 no. of pixels
- Should have Full HD component output: Y PbPr.
- Magnification indicator should be on the video colposcope.
- High MCD super bright white shadow less LED light for true color reproduction.
- Color temperature should be 7000ok, light source life should be minimum 20000 hrs.
- Auto focus range should be up to 30-40cm
- Facility for fast focusing, zooming, image freeze using thumb on the hand held unit itself.
- Acetic test timer and magnification indicator should be displayed on screen.
- There must be Electronic Green Filter in the hand-held unit without decrease in Illumination.
- Control panel should have feather touch and water proof buttons
- Facility for Fast auto/manual focusing
- Internal Image freeze function facility
- It should be equipped with Gamma Processor to enhance vascular structure
- Should be integrable to LAN and HIS
- Should be USFDA or European CE approved.

Company should provide Colposcopy Image Management software with computer with following facilities:-

- Upgradable software
- Should have facility to generate Cryo-Surgery report
- Should have facility to masking, marking and highlighting of any abnormalities.
- Image capturing while recording/playing
- Final reports with one, two, three & four images with facility to adjust height & width of images.
- Referal linked images with findings for comparison.
- Should be able to show three visits of patient on search of patient ID with display of all 3 visits simultaneously.
- Facility to save & send the report through e-mail in pdf format
- Online support facility (through internet) for software
- Colposcopy software should run on window 8 / Windows XP software
- Facility to take colposcopy images with the colposcopy report on hard copy
- Facility to store still images, cine loop or procedure on CD
- Software should be compatible with both desktop & Laptop, no need of separate capture card.
- Should have REID evaluation chart in tabular form

Company has to provide Desktop Computer with:

- CPU Intel Core i5
- RAM 4 GB
- Hard Disk: 500GB
- Window 8 Home Basic or better
- DVD Writer
- Inkjet Printer
- Computer should be fitted in imported fiber body workstation

Company should provide: 24" Flat Screen High Definition Monitor Tender --
Equipments for Obst. & Gyne. Department

- Should be high Definition (HD) of 24" with wide screen.
- Should have resolution of 1920x1200 (WUXGA)
- Should be fully compatible with OR video control applications
- Should have surgeon specific user selectable setting
- Should have low voltage DC power input, 24V.
- Should have Class-I Medical Device Certification
- Should have fastest response time (10-15ms)
- Should have PIP facility
- It should consist of Multi-Modality Image viewing inputs:HD-SDI, HD-RGBS/Y,Pb, Pr, DVI, VGA, S-Video Composite: Syn-On-Green.