

**BHARAT HEAVY ELECTRICALS LTD.**

SPECIFICATION No. :  
ITEM No. :  
LOCATION : KASTURBA HOSPITAL

**SPECIFICATION FOR COLPOSCOPE WITH DIGITAL IMAGING SYSTEM**  
**– 1NO.**

**1.0 REQUIREMENT/FUNCTION**

For Diagnosis of cervical lesion.

**2.0 SPECIFICATION /FEATURES**

- 2.1 Image acquisition super HAD Colour CCD 680000 Pixels to 1120000 Pixels.
- 2.2 Minimum luminance 4 lux camera
- 2.3 Focussing Distance Auto.
- 2.4 Magnification 1 x 40x to 1x 42x.
- 2.5 Focusing mode - Auto/Manual Focusing.
- 2.6 Signal to noise ratio 50 db.
- 2.7 White polarization AWB Mode.
- 2.8 Light Source – White & Green Light Selectable.
- 2.9 Freeze – Freeze video images in computer.

**3.0 SCOPE OF SUPPLY**

- 3.1 PC -1 no of following specification-
  - 3.1.1 Processor-Intel core 2 Duo Processor
  - 3.1.2 Memory-1 GB DDR2 800MHz SDRAM.
  - 3.1.3 Hard disk-160 GB SATA.
  - 3.1.4 Optical Drive-16X DVD+RWDrive.
  - 3.1.5 Monitor-17” wide screen flat panel
  - 3.1.6 Ports-10/100 Ethernet,USB
  - 3.1.7 Floppy Drive-1.44 MB,3.5 inch external floppy drive
  - 3.1.8 Make-Dell/HP/Compaq/Acer/Lenovo/HCL/Wipro
- 3.2 Printer 1 no of following specification-
  - 3.2.1 Size-A4
  - 3.2.2 Print Type-Inkjet
  - 3.2.3 Print Quality-Upto 600 dpi black and upto 4800x1200 optimised dpi color.
  - 3.2.4 Photo printing-Borderless printing
  - 3.2.5 Make-HP only
- 3.3 Image capture card 32 bit PCI for PALQNTSC
- 3.4 Data communication
- 3.5 Multifunction Image processing software which shall have features like :
  - integrated management of view examination, image capture & freeze, recording, Observation, processing, saving, printout etc.
  - Powerful comparison and statistical analysis function.
  - Printing of multi-format experts.
  - Colposcopy REID evaluation.
- 3.6 Continuous image acquisition facility/time.

- 3.7 Continuous working Hrs.
- 3.8 Equipment meeting our above spec. Para .2
- 3.8 Installation, Commissioning, Training & proving of eqpt. by supplier.
- 3.9 Two sets of operation & maintenance manuals with circuit diagrams.
- 3.10 Eqpt. should be suitable to operate on BHEL Power supply of  $230\text{ V} \pm 15\%$   
50Hz  $\pm 3\%$  single phase AC supply and suitable voltage stabilizer  
/CVT if recommended by supplier should be supplied with the Eqpt.
- 3.11 Supplier must furnish point to point replies against all the points of our spec. para 1  
to 4 failing which their offer may not be considered.
- 3.12 Monitor, CPU, Trolley, Printer, Camera Trolley

#### 4.0 **QUALIFYING CRITERIA**

- 4.1 Equipment should be proven equipment and should be working satisfactorily in a reputed hospital for at least more than one year. Supplier should be in a business of supplying/manufacturing this equipment at least for last 10 years.
- 4.2 Supplier should furnish the list of customers where quoted equipment has been supplied earlier with necessary certificate for good performance and after sale service. Supplier should show the demo of their equipment at our hospital or at customer premises in support of the performance of the equipment.
- 4.3 Supplier quoting the equipment as a sole selling agent of their principal should submit authorized certificate from their principal.