



Notice Inviting e-Tender

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Supply and Commissioning of Medical equipment for the Department of Urology at R.G.Kar MCH
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-206/2022

Dated-19.05.2022

Amendment -VI

REVISED TECHNICAL SPECIFICATION

Schedule – I

High-definition Camera system including Insufflator

Full Endovision HD Camera with Head and Control Unit and Medical Grade Monitor 26 – 28 inches with Endo Insufflator

I. Full Endovision HD Camera with Head

Camera head should have at least the following features –

- a) Image Sensor: 3x1/3" CCD or CMOS sensor, Progressive Scan.
- b) Endo-coupler: Compatible with any standard eyepiece and with Par-focal Zoom / **Digital Zoom**, f=14mm to 28mm (other range of focal length acceptable)
- c) Connecting Cable Length: 300cm to 400 cm.
- d) Sterilization: Camera Head should be soakable in sterilization solution.
- e) It should be **European CE (4 Digit Notified body) / UKCA & USFDA** certified.

- II. **Controller Unit** should have at least following features –
- a) Control panel: ON/OFF, White Balance Operation.
 - b) Gain control: Automatic Gain Control incorporated; Brightness level maintained irrespective of Light Source intensity.
 - c) Programme: Should have multiple pre-fixed specialty settings. One or two settings should be free for Programming by the end user.
 - d) Output: DVI-D (single link), HD-SDI and Composite Video (SVBS)
 - e) Dimension: Should be compact
 - f) Keyboard / **Touch Screen**: Keyboard / **Touch Screen** should be present for data input and user-programming.
 - g) **Should be European CE (4 Digit Notified body) / UKCA & USFDA certified.**
- III. **Full HD Medical grade LED Monitor** having as least the following features:
- a) Panel Size 26 to 28 inches.
 - b) **Panel brightness range 450- 1050cd/m2.**
 - c) Resolution 1920 x 1080 (Full HD).
 - d) **Should be European CE (4 Digit Notified body) / UKCA & USFDA certified.**
- IV. **Insufflator-** **Volume capacity should be 40 litres or more.**

High- Intensity LED Light Source

High power LED light source with microprocessor control to optimize light intensity performance and lamp life time. Light intensity comparable with at least 300-watt Xenon light source.

Lamp Specification:

- a) Lamp Type: LED
- b) Average Lamp Life: At least 10,000 hours
- c) Quality of Light should be close to daylight. Equilibrium distribution of luminance throughout the illuminated area is desired.
- d) Controls: OFF/ON, stepless Light Intensity adjustment.

Light source to be provided with Light Cable.

Light source should be **European CE (4 Digit Notified body) & USFDA** certified.

Note : All equipment should be of same manufacturer and compatible.