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| C:\Users\BMSICL\Desktop\bmsicl_logo.jpg | **Bihar Medical Services & Infrastructure Corporation Limited 4th floor State Building Construction Corporation Limited. Hospital Road, Shastri Nagar, Patna 800023, Phone/Fax: +91612 2283287,+ 91612 2283288** |
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**Corrigendum-II**

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for the procurement, rate contract and the supply of medical equipment for different Govt. Medical Colleges and Hospitals of Bihar vide Notice Inviting Tender No.-BMSICL/2019-20/ME-136. A TSC meeting was held on 21.08.2019. In the meeting some technical specification amendments have been made as per the Annexure-I of this corrigendum. In order to facilitate maximum participation of bidders the tender schedule is being revised as follows:-

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| Tender Reference No.  | **BMSICL/2019-20/ME-137** |
| Date and time for downloading of bid document  | **Up to 04th September 2019 till 17:00 Hrs.** |
| Last date and time of submission of online bids | **05th September 2019 till 17:00 Hrs.** |
| Last date and time of submission of original documents of EMD, Tender Fee and Document. | **06th September 2019 till 14:00 Hrs.**  |
| Date, Time and Place of opening of Technical Bid | **06th September 2019 (at 15:00 Hrs.) on the website of** [**www.eproc.bihar.gov.in**](http://www.eproc.bihar.gov.in/)**in the office of BMSICL** |
| Date and time of opening of financial Bids  | **To be announced later on www.eproc.bihar.gov.in**  |

**Note:-**Please refer to the **Annexure-I** of this corrigendum before submission of bid.

 **Sd/-**

**GM (Procurement)**

 **BMSICL**

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| **Annexure-I** |
| **1. Name of Equipment - Flexible Endoscope** |
| **Technical Specification before amendments** | **Technical Specification after amendments** |
| **A. Endoscope system should comprise of the following:** |
| 1. Video processor with light source – 1 no | No Change |
| 2. Gastro intestinal video scope – 1 no | No Change |
| 3. Endoscope washer – 1 no | No Change |
| 4. Accessories | No Change |
| 5. Hardware for recording & archiving | No Change |
| 6. Scope Storage cabinet. | No Change |
| 1. Technical Specification for complete GI Endoscopy system: |
| B. Video process with light source & Monitor | Video processor with camera, light source & Monitor |
| 1. Power supply 220VAC +/- 10 %, 50Hz. 2. High-Definition Video Processor | No Change |
| 3. Automatic white balance facility should be available on the monitor as well as on the scope. |  Automatic white balance facility should be available on the monitor/ scope/processor. |
| 4. Controls to freeze images, enhance a portion of frozen image (Zoom & post-processing) | No Change |
| 5. Patient and physician data input key board. | No Change |
| 6. Should have LED/Xenon light source. | No Change |
| 7. LED Life 20000 hrs or more/ Xenon life 500 hrs or more.. | No Change |
| 8. Colot Temperature 5000K or more. | No Change |
| 9. Compatibility with the gastro scope and colonoscope | No Change |
| 10. 21” HD Medical grade monitor. (Monitor size should be clarify from end user) | 24” HD Medical grade monitor.  |
| C. GASTROSCOPE | No Change |
| 1. Direction of view should be zero degree | No Change |
| 2. Field of view 120 ⁰-140 ⁰or more | No Change |
| 3. Range of observation at least from 2 mm to 100 mm |  Range of observation at least from 4 mm to 100 mm |
| 4. Angulations of tip up and down of at least :UP(190 ⁰),Down(90 ⁰), Right(100 ⁰),Left(100 ⁰) | No Change |
| 5. Insertion tube diameter of less than 10 mm | No Change |
| 6. Distal end diameter of not more than 10.5 mm | No Change |
| 7. Instrument channel of more than 2.5 mm | No Change |
| 8. Working length of not less than 1000mm | No Change |
| D. ENDOSCOPE WASHER: | No Change |
| Fully automated, programmable washer and sterilizer compatible with the above-mentioned scopes. Allows thorough cleaning and drying of inside and outside of scopes. | No Change |
| E. HARDWARE FOR RECORDING AND ARCHIVING: | No Change |
| Suitable PC with High resolution colour laser printer, PC Processor should be i5, 8GB RAM and 1 TB Hard disc. | No Change |
| Software for direct recording / archiving of images/video to computer and for CD conversion. | No Change |
| F. Furniture, Storage Cabinet & Accessory | No Change |
| 1. All consumables required for installation and standardization of system to be given free of cost | No Change |
| 2. It should be supplied with mobile trolley. | No Change |
| 3. The mobile trolley should have basket for keeping accessories. | No Change |
| 4. Drying Storage cabinet should be Modularity, Clear visibility of endoscope status. | No Change |
| 5. The Video scope should be supplied with tray system for disinfection. | No Change |
| 6. 5 Set should include- Suction Adaptors (Disposable), Cleaning brush & Leakage tester as standard accessories. | 6. 5 Set should include- Suction Adaptors (Disposable)-10 nos., Cleaning brush-01 nos. & Leakage tester-01 nos. as standard accessories. |
| ALL Scope,Lightsource& video processor US FDA / European CE (with notified body) model should be offered. | No Change |
| Suitable On-line UPS with 60 minutes back up Entire system. | No Change |
| **2. Name of Equipment - Colonoscopy** |
| **a. Colonoscopy system should comprise of the following:** |   |
| 1. Video processor with light source – 1 no | No Change |
| 2. Video colonoscope – 1 no. | No Change |
| 3. Colonoscopy washer – 1 no. | No Change |
| 4. Accessories. | No Change |
| 5. Hardware for recording & archiving. | No Change |
| 6. Scope Storage cabinet. | No Change |
| **b. Video process with light source & Monitor** | **Video processor with camaera, light source & Monitor** |
| 1. Power supply 220VAC +/- 10 %, 50Hz. 2. High-Definition Video Processor. | No Change |
| 3. Automatic white balance facility should be available on the monitor as well as on the scope. | No Change |
| 4. Controls to freeze images, enhance a portion of frozen image (Zoom & post-processing). | No Change |
| 5. Patient and physician data input key board. | No Change |
| 6. Should have LED light source. | Should have LED / 150 watt xenon or more light source. |
| 7. LED Life 20000 hrs or more. | LED Life 20000 hrs or more/ Xenon life 500 hrs or more. |
| 8. Color Temperature 5000K or more. | No Change |
| 9. Compatibility with the gastro scope and colonoscope. | No Change |
| 10. 21” HD Medical grade monitor. | 24” or more HD Medical grade monitor. |
| C. COLONOSCOPE | No Change |
| 1. Direction of view should be zero degree. | No Change |
| 2. Minimum of 140 degree of field of view. | No Change |
| 3. Range of observation from 5 mm to 90 mm. | No Change |
| 4. Angulations of tip not less than : 160 deg for Right/Left; 180 deg for Up/Down. | No Change |
| 5. Insertion tube diameter of 13.2 mm or less, with a working length of not less than 1600 mms. | No Change |
| 6. Distal end of 14 mm or less. | No Change |
| 7. Instrument channel of more than 3.0 mm. | No Change |
| D. COLONOSCOPE WASHER: | No Change |
| Fully automated, programmable washer and sterilizer compatible with the above-mentioned scopes. Allows thorough cleaning and drying of inside and outside of scopes. | No Change |
| E. HARDWARE FOR RECORDING AND ARCHIVING: | No Change |
| Suitable PC with High resolution colour laser printer | No Change |
| Software for direct recording / archiving of images/video to computer and for CD conversion | No Change |
| F. Furniture, Storage Cabinet & Accessory | No Change |
| 1. All consumables required for installation and standardization of system to be given free of cost. | No Change |
| 2. It should be supplied with mobile trolley. | No Change |
| 3. The mobile trolley should have basket for keeping accessories. | No Change |
| 4. Drying Storage cabinet should be Modularity, Clear visibility of endoscope status. | No Change |
| 5. The Video scope should be supplied with tray system for disinfection. | No Change |
| 6. 5 Set should include- Suction Adaptors (Disposable), Cleaning brush & Leakage tester as standard accessories. | No Change |
| ALL Scope,Lightsource& video processor US FDA / European CE model should be offered. | No Change |
| Suitable On-line UPS with 60 minutes back up Entire system. | No Change |
| 1. List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual. | Deleted |
| 2. Reagent for validation, training of to installation to be provided free of cost by manufacturer. | Deleted |
| 3. Certification:- | Deleted |
| · US FDA / European CE Approved model should be offered. | Deleted |
| · Electrical safety: Equipment meets electrical safety specification such as that of IEC class I. | Deleted |
| 4. Machine should be LIS compatibility. | Deleted |
| 5. Minor work for installation of medical equipment must be done by bidder at his own cost. | Deleted |
| 6. Reagent, Calibrator, Control, cleansing solution for specified no.of test and also PT and APTT may be provided free of cost for at least 1000 test. | Deleted |
| **3. Name of Equipment - Cystoscope (Rigid)** | **Name of Equipment - Cystoscope (Rigid),Resectoscope Set with camera system and accessories** |
| **Rigid Cystoscope with Lightsource, camera & Monitor** |   |
| 1. Sheath with obturator outer Diameter- 14Fr | Sheath with obturator outer Diameter- (20 Fr. +/- 1Fr) |
| 2. Working channel- 04-05Fr |  Working channel- 05- 07Fr |
| 3. Working length- 22cms | Working length- (22cms +/- 2cm) |
| 4. Self-dilating tip for ease of entry | No Change |
| 5. Compatible 30degree an 0-degree HD telescope – 01 each | 4mm 30degree and 0-degree HD – 01 each  |
| 6. Telescope bridge – 01 | Double Channel Telescope bridge – 01  |
| 7. Stone crushing forceps compatible with above sheath and telescope – 01 in no. | Stone crushing forceps along with 4mm 30 degree HD or HD equivalent telescope, working length 30cm +/- 2 cm. - 01 in no.  |
| 8. Resectscope sheath compatible with above mentioned telescope – 01 in no., with | No Change |
| a. Moveable thumb ring (working element) – 01 in no. | No Change |
| b. Spring loaded action with electrodes inside the sheath in rest position | No Change |
| c. Telescope Bridge – 01 in no. | Telescope Bridge – 01 in no.(Single Channel) |
| d. Cutting loop – 10 in nos. | Cutting loop Angle – 50 in nos. |
| e. Coagulating hook electrode – 10 in nos. | No Change |
| f Additional | Coagulating Ball Electrode – 10 in nos. |
| g. Monopolar high frequency cord – 05 in no. | No Change |
| h. Protection tube for electrodes – 05 in no | No Change |
| i Additional | Urethrotome Sheath 21 Fr. (with working element –if required)- 1 no. |
| i Additional | Cold klnife ,straight for use with urethrotome sheath- 5 nos |
| 9. Fiber optic cold light source: 1no. 300 watt Xenon bulb /LED (Bulb life 500 hrs minimum for xenon & LED Life 10000 hrs. |  Fiber optic cold light source: 1no. 300 watt Xenon bulb/LED Light Source with Life of <40000 hrs. |
| 10. Should have 3 cheap camera | Should have Full HD Advanced Camera System ( 1920 x 1080 Resolution)- 1 no. |
| 11. Should have 21” Medical grade HD Monitor. | 11. Should have 24” Medical grade HD Monitor or above |
| 12. US FDA / European CE model should be offered. | 12. US FDA / European CE (Notified) model should be offered. |
| 13. Power supply 220VAC +/- 10 %, 50Hz. | No Change |
| 14. On-line UPS with 60 minutes back up Entire system. | 14. On-line UPS with 30 minutes back up Entire system. |
| Additional | Trolley with suitable racks for the above mentioned system- 1 no |
| **All the above mentioned equipment and instruments ( except On Line UPS and Trolly) should be manufactured by same principal company.** |
| **working Eliment for Urothrotome Qty -01** |
| **Urothrotome sheath 21 Fr. Qty -1** |
| **Cold klnife,- 03 nos** |
| **Aligator forceps -02 pcs** |
| **Biopsy forceps-02 pcs** |
| **Ellic Evaquator-03 pcs** |
| **Dambru Washer -10 pcs** |
| **Cleaning Brus-02 set** |
| **6. Name of Equipment - Rigid Bronchoscopes.** |
| A. Technical Specification for the Instruments required for Rigid Bronchoscope Set for Adult. |
| 1. Straight Forward Telescope 0°, diameter 4.5 mm, length 50 cm, autoclavable. Fiber optic light transmission incorporated. Qty - 01. | No Change |
| 2. Bronchoscope Tube Universal, without distal fiber optic light carrier for use with proximally insert able prismatic light deflector and plugs length 43 cm, size 8.5. Qty – 01. | No Change |
| 3. Bronchoscope Tube Universal, without distal fiber optic light carrier, for use with proximally insert able prismatic light deflector and plugs length 43 cm, size 7. 5. Qty – 01. | No Change |
| 4. Bronchoscope Tube Universal, without distal fiber light carrier, and plugs length 43 cm, size 6.5. - Qty 01. | No Change |
| 5. Prismatic Light Deflector, autoclavable, with connection fiber optic light cable. Qty- 01. | No Change |
| 6. Glass Window Plug. Qty – 01. | No Change |
| 7. Rubber Telescope Guide. Qty- 01. | No Change |
| 8. Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable, for use with Full Lumen Tracheoscopes and Bronchoscopes. Qty- 01. | No Change |
| 9. Injection Cannula, for positive pressure assisted ventilation system, O.D. 3.5 mm for use with bronchoscopes and tracheoscopes with LUER-lock. Qty – 01. | No Change |
| 10. Instrument Guide, for suction catheter. Qty – 01. | No Change |
| 11. Adaptor from bronchoscope to respirator. Qty- 01. | No Change |
| 12. Optical Bronchoscopic Forceps, circular cup, alligator for hard foreign bodies. Qty- 01. | No Change |
| 13. Optical Bronchoscopic Forceps, for peanut and soft foreign bodies with spring- action handle. Qty- 01. | No Change |
| 14. Optical Bronchoscopic Forceps, round cupped jaws for Biopsy, cup diameter 3.3mm. Qty- 01. | No Change |
| 15. Optical Bronchoscopic Forceps, Universal for biopsy, for removing foreign bodies and denatured tissue. Qty- 01. | No Change |
| 16. Rigid Suction Tube, diameter 4mm, working length 50 cm. Qty-02 | No Change |
| B. Technical Specification for the Instruments required for Paediatric Bronchoscope. | No Change |
| 1. Bronchoscope, length 30 cm, size 6. | No Change |
| 2. Bronchoscope, length 30 cm, size 5. | No Change |
| 3. Bronchoscope, length 30 cm, size 4.5. | No Change |
| 4. Bronchoscope, length 30 cm, size 4. | No Change |
| 5. Bronchoscope, length 30 cm, size 3.5. | No Change |
| 6. Bronchoscope, length 26 cm, size 4. | No Change |
| 7. Bronchoscope, length 26 cm, size 3.5 | No Change |
| 8. Bronchoscope, length 18.5 cm, size 3.5. | No Change |
| 9. Bronchoscope, length 18.5 cm, size 2.5. | No Change |
| 10. Compatible Telescopes for above mentioned Bronchoscope tubes, Straight Forward- scope 0°, autoclavable. Fiber optic light transmission incorporated --01 each. | No Change |
| 11. Compatible Optical Alligator Forceps for Paediatric Broncho esophagoscopes, for use with telescope forced controlled handle for removal of hard foreign bodies –Qty 01. | No Change |
| 12. Compatible Optical Forceps for Pediatric Broncho-Esophagoscoes, with bean jaes, for use with telescope forced controlled handle for removal of peanuts and soft foreign bodies. Qty 01 each. | No Change |
| 13. Compatible Optical Forceps, for use with telescope for biopsy. 01 each. | No Change |
| 14. Compatible Optical Pediatric Scissors, for use with telescope and Broncho-Esophagoscopes 01. | No Change |
| 15. Compatible Optical Forceps for use with telescope Universal, biopsy and grasping. 01. | No Change |
| 16. Rubber Telescope Guide for use with Telescopes or optical forceps 01. | No Change |
| 17. Prismatic Light Deflector, Autoclavable, with Connection to fiber light cable 01. | No Change |
| 18. Glass window Plug 01. | No Change |
| 19. Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, moveable 01. | No Change |
| 20. Adaptor from bronchoscope to respirator 01. | No Change |
| 21. Instrument guide, for suction catheter 01 Injection Cannula for positive pressure assisted ventilation system, O.D. 3.5 mm and 2.7mm with LUER-lock - 01 each. | No Change |
| 22. Compatible Suction tube, straight, with rubber tip, diameter 2mm Working length 35cm. - 01. | No Change |
| 23. Cotton Applicator, working length 35cm, - 01. | No Change |
| 24. Sponge Holder, spring handle, working length 35cm- 01. | No Change |
| 25. Power supply to be 220-240VAC, 50Hz fitted with Indian plug. | No Change |
| 26. Suitable UPS with maintenance free batteries&Back up time 30 minutes. | No Change |
| 27. US FDA / European CE /BIS Approved model should be offered. | 27. US FDA / European CE (Notified body) model should be offered. |
| **4. Name of Equipment - Rigid Endoscope** |
| **A. Telescope** |   |
| 1. Telescope 0° 4.0 mm & 2.7 mm: Straight forward telescope,0 degree enlarged view, size: 4 & 2.7 mm rod lenses system, Length:18-19 cms, Autoclavable, Fiber optic light transmission incorporated. | 1. Telescope 0° 4.0 mm & 2.7 mm: Straight forward telescope,0 degree enlarged view, size: 4 & 2.7 mm rod lenses system, Length:18-19+-1 cms, Autoclavable, Fiber optic light transmission incorporated. |
| 2. Telescope 30° 4.0 mm & 2.7 mm Forward oblique 30 degree enlarged view, size: 4 & 2.7 mm rod lenses system, Length:18- 19 cms, Autoclavable, Fiber optic light transmission incorporated. | 2. Telescope 30° 4.0 mm & 2.7 mm Forward oblique 30 degree enlarged view, size: 4 & 2.7 mm rod lenses system, Length:18- 19+-1 cms, Autoclavable, Fiber optic light transmission incorporated. |
| 3. Telescope 45° 4.0 mm: Straight Forward Telescope 45 degree enlarged view, size: 4 mm rod lenses system, Length:18-19 cms, Autoclavable, Fiber Optic Light Transmission Incorporated. | No Change |
| B. LIGHT SOURCE AND FIBER OPTIC LIGHT CABLE LIGHT |
| 1. Should be a halogen/LED light source. | No Change |
| 2. Should have light intensity control. | No Change |
| 3. Should have thermal safety cut-off | No Change |
| 4. Should have two halogen/LED Bulb and should have provision to change over in the event of failure from one lamp to another. |  Should have two halogen/LED Bulb not less than 40 K Hour. |
| 5. Should be supplied with flexible fibre optic light cable with minimum diameter of 3.5mm and minimum working length of 180cm. | No Change |
| 6. Power Supply 220VAC +/- 10 %, 50Hz . | No Change |
| C. INSTRUMENTS |
| 1. Rhinoforce Antrum punch upside backward cutting with minimum working length of 10 cm. | 1. Rhinoforce Antrum punch upside backward cutting with minimum working length of 10+-2cm. |
| 2. RhinoforceBlakesly wide nasal forceps straight, with minimum working length of 13 cm. | 2. RhinoforceBlakesly wide nasal forceps straight, with minimum working length of 13+-2 cm. |
| 3. RhinoforceBlakesly wide nasal forceps 45⁰ upside, with minimum working length of 13 cm. | 3. RhinoforceBlakesly wide nasal forceps 45⁰ upside, with minimum working length of 13+-2 cm. |
| 4. Scissors straight and 45⁰ curved up, with minimum working length of 13 cm. | 4. Scissors straight and 45⁰ curved up, with minimum working length of 13+-2 cm. |
| 5. Sickle knife, pointed, with minimum working length of 19 cm. | 5. Sickle knife, pointed, with minimum working length of 19 +-2 cm. |
| 6. Antrum curette oblong small size, with minimum length of 19 cm. | 6. Antrum curette oblong small size, with minimum length of 19+-2 cm. |
| 8. Frontal Sinus curette small oblong forward cutting with minimum length of 19 cm. | 8. Frontal Sinus curette small oblong forward cutting with minimum length of 19+\_2 cm. |
| 9. Frazier suction tube with calibration markings from at least 5 to 9 cm and minimum working length of 10 cm. | No Change |
| D. Others. |
| 1. Should be supplied with suitable trolley | 1. Should be supplied with suitable trolley |
| 2. Trolley should have adequate power sockets to connect the camera, light source, monitor etc. | 2. Trolley should have adequate power sockets to connect the camera, light source, monitor etc. All above mentioned equipment /instrument (except trolley) should be manufactured same principle company |
| 3.All telescope & Light source Should be US FDA / European CE approved Model should be offered. | 3.All telescope & Light source Should be US FDA / European CE (notified body) approved Model should be offered. |
| **5. Name of Equipment - Sigmoidoscope** |
| 1. RIGID SIGMOIDOSCOPE WITH LIGHT SOURCE & MONITOR | No Change |
| 2. Adult Size: Parts: Outer Tube of 20 x 20 mm & obturator, length 21 cm. | No Change |
| 3. High quality rust free Stainless steel. | No Change |
| 4. Fiber optic cold light source: 1no. 300-watt Xenon bulb /LED (Bulb life 500 hrs minimum for xenon & LED Life 10000 hrs). Automatic stand by bulb Fiber optic cable & cable & another Required accessory. | No Change |
| 5. Long crocodile biopsy forceps: 2 nos. | No Change |
| 6. Good quality air insufflation system: 1 no. | No Change |
| 7. High quality optical lens fitted on lid: 1 no. | No Change |
| 8. Scope &Lightsource booth are US FDA / European CE model should be offered. | No Change |
| 9. Power supply 220VAC +/- 10 %, 50Hz. | No Change |
| 10. On-line UPS with 60 minutes back up Entire system. | No Change |