



RAJASTHAN MEDICAL SERVICES CORPORATION LTD.

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No. F-8() RMSC/EPM/M-1/NIB-745/2022-23/ 1125

Dated: 10/2/23

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: Amendment in technical specification of bid document of item Colposcope equipped with monitor, Printer, cryo and leep facility base, under No. F-8() RMSC/EPM/M-1/NIB-745/2022-23/988 date: 16.02.2023

In reference to subject cited above NIB-745, various representation received from the firms and issues raised by the bidder are examined by the competent authorities and technical committee. The following clarification/corrigendum/addendum is issued for inclusion in bid document of items as below:-

Revised Technical Specification:-

LEEP Workstation

Electrosurgical Generator (Cautery)

1. Unit should have microprocessor controlled tissue feedback technology.
2. It should have LCD touch screen display which should indicate true power with selected mode.
3. Self-illuminated accessory socket with auto selection during setting of the generator & blinking of light to indicate activation in selected accessories.
4. It should have separate and isolated sockets for Monopolar and Bipolar.
5. It should complete self-Diagnosis during power on and should show an error code with its solution if any fault is detected.
6. Unit should have touch key pad/feather touch key for power and mode selection as optional in case touch screen get failed.
7. It should accept dual area (Disposable) and single area (Reusable) patient return electrode.
8. It should have at least 10 user programs for different surgical procedures.
9. Unit should have pure sinusoidal output waveform in HF power output in cut and bipolar modes.
10. Unit should be useful for underwater procedures.
11. It should have RANDOMIZED spray coagulation for larger area coverage.
12. Unit should have THREE different modes for cutting with max output 300 Watt namely Low cut, pure cut and blend cut.
13. Unit should have THREE different modes for Coagulation with max output 120Watt namely Soft, Fulgurate and Spray.
14. Unit should have ONE Bipolar cut mode with max output 70 Watt and Three Bipolar Coag Mode with max output 70 Watt.
15. Unit should have separate Bipolar Cut and Coag mode with independent activation control.

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16. It should have Alarm facility after completion of bipolar coagulation.
17. Power Should change 1to 40 by step of 1W, 40 to 100 by step of 5W & 100 to max power by step of 10 W for fast setting of generator.
18. Unit should be up gradable for tissue feedback, pulsed interval controlled ENDO CUT function. (optional)
19. Unit should have Time out function to avoid the prolonged activation of HF output in monopolar.(optional)
20. Unit should supply with Double Paddle footswitch with toggle function to change the usability between the monopolar cut and coag, bipolar cut and coag without going back to generator.
21. Double paddle footswitch with toggle function should work wireless and should be supply with wire ption for emergency use and the footswitch operated on AA/AAA battery which can be change on field.
22. It should be upgradeable for Argon delivery module.
23. Unit should operate from 180 V to 265 V without using external stabilizer.
24. Unit must have European CE with 4 digit notified body certified/USFDA approved/BIS. Related certificates have to submit with technical bid.
25. It should be supplied with following accessories:
 1. Patient return electrode Reusable 1 no.
 2. Cable for return electrode 1 no.
 3. Disposable patient return electrode 1 no.
 4. Hand switching pencils 1 no.
 5. Foot switching pencil 1 no.
 6. Bipolar forceps 1 no.
 7. Cable for bipolar forceps 1 no.
 8. Monopolar Foot switchwith toggle switch 1 no.
 9. Universal adaptor 1 no.
 10. Set of electrode 1 no.

SmokeEvacuator

1. Flow Rate Setting- Variable Flow Control in steps
2. Time Delay Setting-Variable time delay Control after activation in steps
3. Surgical Modes-open & laparoscopy mode
4. Operating Modes- Auto & Manual Mode, Surgi-sync Module for auto mode, Foot switch for manual model
5. Filter-four stage ULPA filter technology
6. Input Voltage-230 AC, 50 HZ
7. Design Standards General safety standards: IEC 60601-1-1, EMI/EMC compatibility standard: IEC60601-1-2
8. Smoking tubing with standard 7/8" connector
9. Adjustable Flow control in various steps
10. Adjustable Time delay after ESU activation
11. Selectable Surgical Mode for open & laparoscopic surgery.
12. Selectable operating mode for auto as well manual activation
13. Surgi-syn module for automatic activation detection from Electro surgical unit.
14. Four Stage filtration to remove the smoke contaminants from surgical site



15. ULPA media for efficient, filtration which can remove 99.99 % of dust, pollen, mold, bacteria and airborne particles.
 16. Activated carbon media to remove the organic contamination
 17. Filter life upto 35 hours
 18. Easy replacement for filter
 19. Foot Switch Interface for manual mode of operation.
 20. User Friendly interface
 21. All open & laparoscopic Surgeries, Laser surgery, Dental procedures, Ultrasonic Scapel & Ultrasonic Surgical Aspirators
- Note: Electrosurgical Generator (Cautery) and Smoke Evacuator should be from same manufacturer.

Trolley

1. It would have 2 shelf, Power cables, With Four Caster Wheel, Shelf, power coated Metal trolley

Cuscos Speculam

1. (Non-Conductive) insulated. Lighted
2. It would have Large, Medium Size shelf,

Loops Electrode (LEEP Non-Conductive Rose-Coated Instruments)

1. Loop Electrodes Small
2. Loop Electrodes Medium
3. Loop Electrodes Large
4. Loop Electrode Ball
5. Loop Electrode Triangle
6. Loops Needle
7. Power Settings for Loops and Ball Electrodes

Type/Size Loop and Ball Electrode	Power Setting
10 x 10 mm loop	30 watts-blended
15 x 5 mm loop	35 watts-blended
15 x 8 mm loop	35-40 watts-blended
15 x 12 mm loop	40 watts-blended
20 x 8 mm loop	45-50 watts-blended
20 x 12 mm loop	50 watts-blended
5 mm ball	35-40 watts-coagulation

LEEP Insulated Vaginal Specula

1. Graves LEEP Speculum (with smoke tube guide) Large-125 mm L x 35 mm W
2. Graves LEEP Speculum (with smoke tube guide) Medium-113 mm L x 33 mm W
3. Pederson LEEP Speculum Small-84 mm Lx 16 mm W
4. Pederson LEEP Speculum Medium-114 mm L x 22 mm W
5. Pederson LEEP Speculum Large-120 mm L x 27 mm W
6. Vu-More LEEP Speculum Medium-113 mm L x 33 mm W
7. Vu-More LEEP Speculum Larger-125 mm L x 35 mm W

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Endocervical Specula

1. LEEP Endocervical Speculum Regular Length 24cm-Tip6mm
2. LEEP Endocervical Speculum Medium length 24cm-Tip5mm

Lateral Vaginal Wall Retractors

1. LEEP Cer-View Lateral Retractor Medium-57 mmLx22mmW
2. LEEP Cer-View Lateral Retractor Large-70mmLx22mmW

Iris Hook (Single prong, two prong, three prong)

1. LEEP Iris Hook

Single Tooth Tenaculum

1. LEEP Single Tooth Tenaculum

Tissue Forceps

1. LEEP Ring Forceps
2. LEEP Tissue Forceps

Rulers

1. LEEP Depth Ruler
2. LEEP Width Ruler

Specifications for Cryo Caутery

Cryo Caутery

1. Made with high quality Hypodermic Needles- ensures smooth Flow of cryogenic Gas and last Longer.
2. Equipped with specially designed silencer-enables quiester operation
3. Body made of ABS Plastics, in attractive Colors- aesthetically appealing
4. Specially designed probes for different specific end uses- enables wide usage of same instruments for different specialties.
5. Attractive light weight carrying case-easy portability.
6. Available with on-off control instruments also, additional facility
7. Hand Operated
8. Uses Nitrous oxide(N₂ O)
9. Interchangeable probe connection facility available
10. A combined unit for Gynaec, General Surgery, E.N.T & Dermatological applications with any one probe attached to it. Made with high quality Hypodermic Needles- ensures smooth Flow of cryogenic Gas and last Longer.
11. Equipped with specially designed silencer-enables quiester operation
12. Spares Washers & carrying Case

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Specifications for Digital Video Colposcope

Digital Video Colposcope should be European CE Certificate from Notified body registered in European Commission/USFDA approved/IBIS.

Full HD Colposcope

1. It Should be Full HD Technology with CMOS Sensor
2. It Should be HDMI Video transfer on screen
3. It Should be 1080p Resolution Sensor (1920x1080)/Good quality
4. It Should be Aspect Ratio 16:9
5. It Should be 21.2 Mega Pixels
6. It Should be No need of Dongle & Capture Card
7. **It Should be 3 or more Grades of green Filter**
8. **It Should be USB 2.0/3.0 port for transfer HD video speed of 4.8 gbps to the PC or Laptop**
9. It Should be Recommended Lamp life 50000 hours or max.
10. It Should be Highest quality 1-52x Magnification
11. It Should be Progressive Scanning Lines
12. It Should be Latest Digital Matrix Processor
13. It Should be Fine Advance & fast Auto/Manual focus Fine Technology
14. It Should be E Flips & Mirror image Facility
15. It Should be Display of genuine tissue color and tone
16. It Should be Corner to Corner Uniform Brightness
17. It Should be Real time display of magnification
18. It Should be Acetic acid Test Timer
19. It Should be Electronic Green Filter with no light loss
20. It Should be Black Morphological filter
21. It Should be Minimum illumination 0.1 Lux
22. It Should be Remote control
23. It Should be Foot Switch

Multi-function Image processing software

1. It Should be integrated Management of View Examination, image capture & Freeze, Recording, Observation, Processing
2. It Should be Can be integrated to LAN and HIS
3. It Should be Reference pictures library to help user
4. It Should be Statistics mode with automatic flow chart facility is provided
5. It Should be Printing of Multi Format photo report with Hammond graph Report
6. It Should be Powerful Comparison to compare
7. **It Should be Colposcopy REID /SWEDE Evaluation**
8. It Should be Report can be e-mailed as well
9. Digital video colposcope and Image processing software shall be from same manufacturer.

Computer with printer, ups, trolley

1. Should Have 21" color TFT/LCD/LED flat panel Monitor
2. Should Have Microsoft Windows 10
3. Should Have 500GB Hard Disk

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4. Should Have Intel Core i7 Processor or better
5. Should Have 8GB Ram
6. Inkjet Coloured Printer
7. Trolley should have good quality
8. Training about instrument free of cost
9. Demo instrument should be given in front of technical committee before final approval

Note:- All equipments have 3 yrs warranty from date of installation

Note:- Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-VIII) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.

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Executive Director (EPM)
RMSCL, Jaipur