

**Administration of Daman and Diu,
O/O Medical Superintendent,
Government Hospital,Daman**

No.GHD/E-TENDER/2013-14/3016

Dated: 07 /10/2013

E-TENDER (ON LINE) NOTICE

The Medical Superintendent, Government Hospital,Daman on behalf of president of India, invites tenders for following items through on –line on [http: Daman.nprocure.com](http://Daman.nprocure.com) from the manufacturer/Authorized Dealers/suppliers having valid Licence. The tender notice also available on www.nic daman.in

Sr.No.	Description Items	Estimated cost	EMD (in the form of FDR)	Tender fees (Non refundable)
01	Purchase of Mammography Machine for Government Hospital,Daman	42.00 lakh	1,26,000/-	2000/-
02	Purchase of CSSD Furniture furniture	7.00 lakh	21,000/-	2000/-
03	Purchase of Laparoscopic and Arthroscopy Equipments	25.00 lakh	75,000/-	2000/-
04	Purchase of Hospital Furniture	25.00 lakh	75,000/-	2000/-
05	Purchase of Hospital Equipments	40.00 lakh	1,20,000/-	2000/-
06	Purchase of Medicines and Other Materials	48.00 lakh	1,44,000/-	2000/-
Last date of downloading of on line tender documents: upto 30.10..2013 by 12.00 hours				
Last date of submission of online tender document: upto 30.10.2013 by 15.00 hours.				
On line opening of price Bid: If possible on 31.10.2013 at 16.00 hours				
Bidders have to submit price bid in Electronic format only on www.nprocure.com till the last date and time for submission. Price bid in physical formant shall not be accepted in any case.				
Submission of tender fees in the form of DD,EMD in the form of FDR and other supporting documents i.e. copy of valid license from competent authority, copy of VAT/ST Registration and copy of PAN/TAN of income Tax etc, and terms and condition duly signed in hard copy to the undersigned by RPAD/Speed post/by hand on or before 31.10.2013 upto 13.00 hours, however, Tender Inviting authority shall not be responsible for any postal delay.				
The tender inviting authority reserves the right to accept or reject any or all the tenders to be received without assigning any reasons thereof.				
Bidders shall have to post their queries on E-mail address: tushar.dcpa @ gmail.com on or before dated 31.10..2013 upto 11.00 hours.				
In case bidder needs any clarification or if training required for participating in online tender, they can contact the following office. (n) Code Solution-A division,GNFC Ltd” 403,GNFC Info Tower,Bodakdev, Ahmedabad- 380054, Gujarat (India) <u>E-Mail</u> nprocure @ncode.in Fax +917926857321				
Website: www.nprocure.com				

(Dr.B.R. Chand)
Medical Superintendent,
Government Hospital,Daman

**U.T.ADMINISTRATION OF DAMAN & DIU
O/O THE MEDICAL SUPERINDENDENT,
GOVERNMENT HOSPITAL, DAMAN
DAMAN**

**TERMS & CONDITIONS FOR THE
SUPPLY AND INSTALLATION LAPAROSCOPIC AND ARTHROSCOPY
EQUIPMENTS FOR GOVERNMENT HOPSITAL,DAMAN**

E-Tender Notice No.GHD/E-TENDER/2013-14/3016

Dated 07.10.2013

1. The rate(s) quoted should be strictly for free delivery at F.O.R. Government Hospital,Daman and will be valid and operative for supply orders issued on or before 31-03-2014
2. The rates should be quoted inclusive of all taxes, installation & commissioning charge etc.
3. Except C.S.T. all other Taxes/Duties/Royalties Charges payable on the sales/transport etc. within and/or outside the state of supplier shall be payable by the supplier.
4. No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.
5. The rates should be quoted only for the items specified in the list of requirement and should be for the items of given special mark/manufacture.
6. Rates quoted for items other than the required specification/mark/manufacture may not be considered. However, indigenous manufactures may quote their own makes provided the specifications confirm to the standard(s)/requirements of the given specifications/mark/ manufacturer.
7. Where specifications/mark/manufacture are not specifying by this office, the rates Should be quoted only for the 1st class and standard quality. The specification asked for should be written clearly as “Yes’ or ‘No’”
8. The Tenderer should specify the name of the manufacturer for the items quoted by him along with catalogue of the item.
9. The decision of the Tender Inviting Officer for acceptance/rejection of any articles supplied including the decision for equivalent specifications, standard and quality etc. of articles shall be final.
10. **The Tenderer should send in advance or enclose along with technical bid an amount of Rs.75,000/- (Rupees Seventy five thousand only) as Earnest Money Inform of Demand Draft / F.D.R. of any scheduled Bank payable at Moti Daman in favor of the officer inviting tenders i.e. Medical Superintendent, Daman. The E.M.D. submitted other than form mentioned above will not be accepted. Tender received without Earnest Money Deposit will be summarily rejected.**

11. (a) The successful Tenderer will have to pay within 10 days from the date of demand an amount equal to 10% of the total value of articles, that may be order, as the amount of security deposit.
(b) Non-receipt of Security Deposit within stipulated time limit will result in automatic cancellation of the order for supply without any intimation.
(c) However in case if any articles are received for which the Security Deposit may not have been deposited, the full Security Deposit as may be due from the supplier will be recovered from the bill(s) for such articles.
12. The amount of Earnest Money paid by the successful Tenderer(s) will be adjusted against the amount of Security Deposit to be paid by the successful Tenderer(s) as per condition No. 12 above.
13. The tender should be neatly typed only on letterhead carry the name of supplier and the signature of the Tenderer. No overwriting, correction or erasures will be considered.
14. The amount of Earnest Money paid by the Tenderer(s) whose tenders are not accepted will be refunded to them by Cheque or Demand Draft (as may be convenient to the Tender Inviting Officer if the amount is above Rs.1000/- drawn on an branch of State of India or its subsidiary Schedule Bank. Where this mode of payment is not possible the amount will be refunded at the cost of the Tenderer.
15. Only on satisfactory completion of the supplies ordered for and on payment of all bills of the supplier, as to be admitted for payment, the amount of Security Deposit/Earnest. Money will be refunded after expiry of guarantee/warranty period, if any, or any such date/period as may be mutually agreed upon.
16. The tender inviting officer will consider extension of time for remitting the Security Deposit as demanded. However, in case of denial to consider such extension the supplier is bound to abide by the limit given and liable to make good any loss to the Government on account of his failure to abide by the time limit.
17. (a) Railway Receipt or other transport document should be drawn in favor of the Officer Inviting Tenders.
(b) Railway Receipt or other transport document should not be send by V.P.P. or through any Bank as this being a Government Office it is not possible to clear cash demands of Post Office/Bank for delivery of R.R. or other transport documents unless we have agreed to it as a special arrangement. (c) Railway Receipt or transport should be sent to this Office by Registered Post
Immediately on dispatch of goods from dispatching end.
18. The supplies of Medicines, Store equipment etc. of inferior quality standard or of different specifications, brand, manufacturer etc. other than that ordered specified and/or incomplete or broken articles will not be accepted. The supplier will have

to replace the same at his own cost and risk. Intimation of non-acceptance of any stores Machinery and equipment etc. will be sent to the supplier within 10 days from the date of receipt of the stores and the same will be returned to the supplier at his own cost and risk, if he so desires and intimates accordingly within 15 days from the date of dispatch of intimation of the non-acceptance. However, if no communication is received within 15 days from the date of communication the tender Inviting Officer will not be responsible for any damage, loss etc. of such rejected articles.

19. In case of failure to replace the accepted and rejected articles from supplies made, as mentioned in the conditions, the loss undergone by the Government will be recovered from the suppliers Security Deposit/Earnest Money or payment due of any bill(s) to the extent required.
20. In case of failure to supply the store, machinery and equipment etc. ordered for, as per conditions and within the stipulated time, the same articles will be obtained from the Tenderer who offered next higher rates or from any other sources, as may be decided by the tender inviting Officer and the loss to the Government on account of such purchases(s) shall be recovered from the former suppliers Security Deposit/Earnest Money or bills payable. The suppliers shall have no any right to dispute with such procedure.
21. Extensions of time limit for supplies shall be consider by the Tender Inviting Officer. The extension so granted may be with levy of compensation for delay in execution of supply order up to 5% of the cost of supplies ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time, depending upon the circumstances and such decision in the matter will be final.
22. Demurrage charges paid by the Tender Inviting Officer on account of delayed receipt of dispatch documents intimation will be recovered from the bills payable to the supplier.
23. (i) The supplier(s) of the machinery and equipments shall have to supply spare parts as and when required in on an agreed basis i.e. on agreed on the published catalogue/price lists for an agreed period.

(ii) The supplier (s) shall give adequate advance notice before any spare parts goes out of production to enable the tender Inviting Officer to order for spare parts required in one lot for the life time of respective machinery.

(iii) If mutually agreed to the supplier(s) shall make available the blue prints of drawing etc. of the spares if any when required in connection with main machinery/equipments.

24. If at any time after the order for supply of Machinery/stores/equipment the Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the tender Inviting Officer shall give notice in writing of the fact to the supplier(s) who shall have no claim to any payment of compensation what so ever on account of any profit or advantage which the supplier(s) might have derived from the supply of articles in full, but which did not derive in consequence of the full quantity of articles not having been purchased, nor shall have any claim for compensation by reasons of any alterations having been made in the original instructions which shall involve any curtailment of the supply originally contemplated.
25. The Earnest Money(s)/Security Deposit(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is/are not adjustable with Earnest Money or Security Deposit required by these conditions,
26. All bills should be in DUPLICATE and should invariably mention the number and date of supply order.
27. All bills for amount above Rs.5000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding Rs.5000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.
28. Each bill in which Sales Tax is charged must contain the following certificate on the body of the bill. "CERTIFIED that the goods on which Sales Tax has been charged have not been exempted under the Central Sale Tax Act or the Rules made there under and the amount charged on account of Sales Tax on these goods is not more than what is payable under the provisions of relevant Act or Rules made there under".
29. The Purchase Committee will open the Tenders in presence of tenderers or their representatives, if any present in the Office of the Tender Inviting Officer. The Purchase Committee will first open the technical bid and considering the technical specification of Surgical Instrument. The Committee will open the financial bid only of those firms who are qualified for technical bid as per minimum specifications given by the department.
30. The right to accept or reject without assigning any reasons any or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all.

31. The tenders/offers received do not conform with the terms and conditions of this office will be summarily rejected. If any firm desires to consider exemption from payment of Earnest Money Deposit, certified copies of its Registration with D.G.S. & D. should be attached to their tenders.
32. If the tenderers whose tender is accepted, fails to execute the supply order within stipulated time the Earnest Money Deposit of such tenders will stand forfeited to the Government.
33. In case, the supplier does not execute the supply order placed with him, the EMD of the supplier will be forfeited to the Government and the contract for the supply shall terminated with no further liabilities on either party to the contract.
34. No separate agreement will be required to be signed by the successful tender(s) for the purpose of this contract for supply. Rates tendered/offered in response to the concerned Tender Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.
35. The items as mentioned in the list are the approximate estimates invited and actual purchase may more. Accordingly the successful Tenderer has no right for any loss/damages with reference to approximate requirement shown in tender and actual requirement.
36. **The last date of downloading of on line tender documents is up to 30.10.2013 By 12.00 hours. The last date of submission of online tender document is upto 30.10.2013 By 15.00 hours on line opening of price bid if possible is on 31.10.2013 at 16.00 hours. The Bidder have to submit price bid in Electronic format only on. Till the Last date and time for submission. Price bid is physical format shall not be accepted in Any case.**
37. Supplier may ensure the goods at his own cost to safeguard the delivery of such goods dispatched by him to the consignee, the department will not be responsible for the damage or pilferage of goods during transit.
38. The tenderers should attached details of civil work to be carried out by this Department for installation/commissioning of Laparoscopic and Arthroscopy equipment.
39. The tenderer should attached copies of certificate of experience in the field of supply of Hospital Furniture & Requisites, valid license, proof of fulfilling the norms of IS or ISO, CE Certified specification if any, copy of dealership letter, license for import, PAN No., Catalog of the item quoted etc. with his/their tender. It may please be noted that the tender received without document referred above shall not be considered.

40. The tenderer may be called for a Sample / demonstration of the items quoted for which he/she/they will be informed one week in advance for arranging the necessary Sample / demonstration in the hospital on a suitable date & time failing which the tender will be rejected.
41. The tenderers should give the guaranty/warranty for the period of not less than one year from the date of installation against any manufacturing defect.
42. AMC: The rate of Annual Maintenance Contract (AMC) should be for the period of three Years from the expiry of Guarantee/Warranty period of one year and should be written Separately in the financial bid year-wise. The decision to accept the tender with or Without AMC is reserve with the purchase committee.
43. The successful tenderers should install and commissioning the equipment at the Site suggested by the office.
44. The successful tenderers shall be bound to provide training if any required without Any extra charges during commissioning.

**Signature & Designation of
Tender Inviting Officer**

**(DR.B.R.CHAND)
Medical Superintendent
Government Hospital, Daman**

The above terms and conditions are accepted and are binding to me/us.

**Place:
Dated:
firm**

**Signature of tenderers
Name of tenderers with seal of the**

NOTE: Please return one copy of these terms & conditions duly sign with seal of firm along with the tender.

**Administration of Daman and Diu,
Office of the Medical Superintendent,
Government Hospital Daman**

**TECHNICAL SPECIFICATION LAPAROSCOPIC AND ARTHROSCOPY EQUIPMENTS FOR
GOVERNMENT HOSPITAL,DAMAN E-TENDER NOTICE No.GHD/E-TENDER/2013-14/3016
dated 07.10.2013**

TECHNICAL BID																		
SR NO.	SPECIFICATION	NAME OF CO.																
01	<p><u>Digital Camera with In-Built Light Source</u></p> <p>The system should have following features:</p> <ul style="list-style-type: none">• should be a One Chip Digital camera with digital video output and in built LED Light Source, supplied with camera head, Console and Fiber Optic Cable.• The system should have Digital and Analog Video Outputs- RGB, DVI-D, S-Video and C-Video(Minimum)• The Camera Should offer both NTSC and PAL Video Formats & Progressive Scanning.• The Resolution should be 768(H)x 576(V)• The light Source should be LED technology based.• Button controls on camera Head and Automatic and Manual White Balance.• The Camera should preferably have Signal to Noise ratio range of 50-60dB.• The Camera Head should have a focusing coupler for even focus control.• The Unit should provide recording facility and should be compatible with recording options from other vendors.• The system should be Menu drivenfor making changes in the Enhancement, Zoom and other parameters.• The Fiber optic cable and Video signaling cables should be supplied with the Hybrid console <p><u>Technical Specifications:</u></p> <table><tr><td>Image System:</td><td>1/3" Progressive Scan CCD</td></tr><tr><td>Pixels</td><td>768 X 576 (HxV)</td></tr><tr><td>White Balance:</td><td>Auto and Manual</td></tr><tr><td>Sensitivity</td><td>~ 3 Lux</td></tr><tr><td>Signal-to-noise ratio</td><td>50-60 dB</td></tr><tr><td>Video outputs:</td><td>C- Video, S-Video & DVI</td></tr></table> <p>(Minimum)</p> <table><tr><td>Output Illumination:</td><td>~ 60,000 Lux</td></tr><tr><td>Color Temperature</td><td>~5000K</td></tr></table> <p>➤ The Company Should have CE, ISO 13485:2003 Certificate</p>	Image System:	1/3" Progressive Scan CCD	Pixels	768 X 576 (HxV)	White Balance:	Auto and Manual	Sensitivity	~ 3 Lux	Signal-to-noise ratio	50-60 dB	Video outputs:	C- Video, S-Video & DVI	Output Illumination:	~ 60,000 Lux	Color Temperature	~5000K	
Image System:	1/3" Progressive Scan CCD																	
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Video outputs:	C- Video, S-Video & DVI																	
Output Illumination:	~ 60,000 Lux																	
Color Temperature	~5000K																	
2	<p><u>Telescopes for Laparoscopy</u></p> <ul style="list-style-type: none">• Wide Angle Full Screen, Forward-Oblique and lateral scope• Optimal centre-to-edge resolution for enhanced picture quality• Angle of view: 0° 30°(Laparoscopy)• Diameter 10mm (Laparoscopy)• Length30-33cm(Laparoscopy)• Fiber optic light transmission incorporated• Standard ocular window for coupling the camera head• Scratch resistance sapphire quoted tip lens• Advanced Rod lens system for optimum brightness, contrast and definition																	
3	<p>➤ The Company Should have CE, ISO 13485:2003 Certificate</p>																	

	<p><u>Fluid Management System</u></p> <ul style="list-style-type: none">• Easy to use, no calibration required• Maximum flow rate of not less than 2.5 ltr/min• Touch Screen Display• Automatic Joint pressure maintenance upto 150 mmHg• Wireless remote control• Advanced Flow Regulation for optimal flow performance and pressure maintenance• One switch wash control to clean up the joint of debris and restoration of joint pressure• Can communicate with shaver system <p>Disposable Tube sets for inflow and outflow (box of 3).</p> <p>Disposable Inflow and outflow tube set, forked suction (box of 3)</p> <p>The Company Should have CE, ISO 13485:2003 Certificate</p>	
4	<p>Arthroscopic Power Shaver System:</p> <ul style="list-style-type: none">• Input voltage of 100 to 240V, 50/60 Hz power consumption not more than 350VA.• Two separate receptacles for motor drive and powered instrumentation.• Shaver should have 2 modes of oscillation for aggressive cutting• Mode 1 should be based on RPM with maximum speed of burrs should not be less than 8000 RPM and 5000 RPM for blades. Minimum speed should be 100RPM.• Mode 2 should be based on no of rotations with speed ranging from 1 to 8.• Console should be touch screen for all the operations• It should have Window Lock Mechanism through console, handpiece & footswitch• Shaver should have button for flush lavage of joints on footswitch• Autoclavable Ultralight hand piece with suction facility, with 3 hand control buttons and replaceable cable long 10ft (3 m). Maximum torque should not be less than 32oz.in and weight should not be more than 212 gms• Autoclavable mini handpiece for small joint with suction lever and hand controls, replaceable cable 10ft(3m) long• Pedal Style footswitch with 3 operating modes i.e. forward, reverse and oscillation.• On-line LCD display for speed and direction referral.• Should have the provision for simultaneous working for powered instrumentation like Drill, Jacobs chuck and Sagittal Saw from Control Unit.• Should communicate with the fluid management system once connected with the cable<ul style="list-style-type: none">• 4.5mm Fullradius Blade – 2 nos• 5.5mm Incisor Plus Elite Blade - 2 Nos• 4.5mm Syanovator Blade – 2 Nos• 4.0mm Abrader Burr – 2 Nos• 4.0mm Acromionizer Burr – 2 Nos <p>Note: The company should have , CE, ISO13485 :2003</p>	
5	<p>Radiofrequency Ablation System</p> <p>It should have Radio Frequency Ablation generator Console</p> <ul style="list-style-type: none">➤ It should work on Low temperature Bi-Polar Radio frequency technology. There should not be a need for the secondary patient grounding pad.➤ The RF probe should work on Multi Electrode Technology that will allow a uniform production of plasma.➤ The output voltage settings can be controlled by regulation on the generator from setting 1-10.➤ The generator should have a safety feature for protection of endoscope during ablation.➤ The generator should have the facility to use a foot control or a wireless footswitch for convenience and ease of use.➤ There should be a facility to adjust ablation and coagulation with different settings.➤ inbuilt TIMER device for minimally invasive treatments of Tendons	

	<p>and Fascia</p> <ul style="list-style-type: none">➤ The generator should be able to take 45 different types of probes for open and minimally invasive arthroscopic procedures.➤ The generator should have the facility to use a finger switch controlled probes.➤ The RF generator should be capable to take TOPAZ range of probes for Tendon and fascia treatments.➤ The surgeon should be able to effectively monitor current temperature measurement of the arthroscopic irrigating fluid. This system is equipped with an alarm mechanism that visually and audibly alerts the user when temperatures exceed a predetermined limit.➤ Patient cable: Overall Length should be minimum 8-9 feet Sterilization method: Steam➤ Output Power: Fundamental frequency: 100 KHz with 20 % tolerance level Voltage Range: 0-300 Vrms@100 KHz minimum Operating Temperature: 10°C➤ It should also have a foot switch- 1 no.➤ Probe-shaft size 3.75mm and angle 90° for doing knee arthroscopy, cruciate reconstruction, shoulder arthroscopy, subacromial decompression- 2 no.➤ Probe- shaft size 2.3 mm and angle 15° for doing knee arthroscopy and chondroplasty- 2 no.➤ The Company Should have CE, ISO 13485:2003 Certificate	
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Administration of Daman and Diu,
Office of the Medical Superintendent,
Government Hospital Daman

**TECHNICAL SPECIFICATION LAPAROSCOPIC AND ARTHROSCOPY EQUIPMENTS FOR
GOVERNMENT HOSPITAL,DAMAN E-TENDER NOTICE NO.GHD/E-TENDER/2013-14/
dated 07.10.2013**

FINANCIAL BID			
SR NO.	SPECIFICATION	Quantity	Rate
01	<p><u>Digital Camera with In-Built Light Source</u></p> <p>The system should have following features:</p> <ul style="list-style-type: none">• should be a One Chip Digital camera with digital video output and in built LED Light Source, supplied with camera head, Console and Fiber Optic Cable.• The system should have Digital and Analog Video Outputs- RGB, DVI-D, S-Video and C-Video(Minimum)• The Camera Should offer both NTSC and PAL Video Formats & Progressive Scanning.• The Resolution should be 768(H)x 576(V)• The light Source should be LED technology based.• Button controls on camera Head and Automatic and Manual White Balance.• The Camera should preferably have Signal to Noise ratio range of 50-60dB.• The Camera Head should have a focusing coupler for even focus control.• The Unit should provide recording facility and should be compatible with recording options from other vendors.• The system should be Menu drivenfor making changes in the Enhancement, Zoom and other parameters.• The Fiber optic cable and Video signaling cables should be supplied with the Hybrid console <p><u>Technical Specifications:</u></p> <p>Image System: Pixels White Balance: Sensitivity Signal-to-noiseratio 50-60 dB Video outputs: Output Illumination: Color Temperature</p> <p>➤ The Company Should have CE, ISO 13485:2003 Certificate</p>	1	

2	<p><u>Telescopes for Laparoscopy</u></p> <ul style="list-style-type: none">• Wide Angle Full Screen, Forward-Oblique and lateral scope• Optimal centre-to-edge resolution for enhanced picture quality• Angle of view: 0° 30° (Laparoscopy)• Diameter 10mm (Laparoscopy)• Length30-33cm(Laparoscopy)• Fiber optic light transmission incorporated• Standard ocular window for coupling the camera head• Scratch resistance sapphire coated tip lens• Advanced Rod lens system for optimum brightness, contrast and definition <p>➤ The Company Should have CE, ISO 13485:2003 Certificate</p>	1	
3	<p><u>Fluid Management System</u></p> <ul style="list-style-type: none">• Easy to use, no calibration required• Maximum flow rate of not less than 2.5 ltr/min• Touch Screen Display• Automatic Joint pressure maintenance upto 150 mmHg• Wireless remote control• Advanced Flow Regulation for optimal flow performance and pressure maintenance• One switch wash control to clean up the joint of debris and restoration of joint pressure• Can communicate with shaver system <p>Disposable Tube sets for inflow and outflow (box of 3).</p> <p>Disposable Inflow and outflow tube set, forked suction (box of3)</p> <p>The Company Should have CE, ISO 13485:2003 Certificate</p>	1	
4	<p><u>Arthroscopic Power Shaver System:</u></p> <ul style="list-style-type: none">• Input voltage of 100 to 240V, 50/60 Hz power consumption not more than 350VA.• Two separate receptacles for motor drive and powered instrumentation.• Shaver should have 2 modes of oscillation for aggressive cutting• Mode 1 should be based on RPM with maximum speed of burrs should not be less than 8000 RPM and 5000 RPM for blades. Minimum speed should be 100RPM.• Mode 2 should be based on no of rotations with speed ranging from 1 to 8.	1	

	<ul style="list-style-type: none">• Console should be touch screen for all the operations• It should have Window Lock Mechanism through console, handpiece & footswitch• Shaver should have button for flush lavage of joints on footswitch• Autoclavable Ultralight hand piece with suction facility, with 3 hand control buttons and replaceable cable long 10ft (3 m). Maximum torque should not be less than 32oz.in and weight should not be more than 212 gms• Autoclavable mini handpiece for small joint with suction lever and hand controls, replaceable cable 10ft(3m) long• Pedal Style footswitch with 3 operating modes i.e. forward, reverse and oscillation.• On-line LCD display for speed and direction referral.• Should have the provision for simultaneous working for powered instrumentation like Drill, Jacobs chuck and Sagittal Saw from Control Unit.• Should communicate with the fluid management system once connected with the cable <ul style="list-style-type: none">• 4.5mm Fullradius Blade – 2 nos• 5.5mm Incisor Plus Elite Blade - 2 Nos• 4.5mm Syanovator Blade – 2 Nos• 4.0mm Abrader Burr – 2 Nos• 4.0mm Acromionizer Burr – 2 Nos <p>Note: The company should have , CE, ISO13485 :2003</p>		
5	<p>Radiofrequency Ablation System</p> <p>It should have Radio Frequency Ablation generator Console</p> <ul style="list-style-type: none">➤ It should work on Low temperature Bi-Polar Radio frequency technology. There should not be a need for the secondary patient grounding pad.➤ The RF probe should work on Multi Electrode Technology that will allow a uniform production of plasma.➤ The output voltage settings can be controlled by regulation on the generator from setting 1-10.➤ The generator should have a safety feature for protection of endoscope during ablation.➤ The generator should have the facility to use a foot control or a wireless footswitch for convenience and ease of use.➤ There should be a facility to adjust ablation and coagulation with different settings.➤ inbuilt TIMER device for minimally invasive treatments of Tendons and Fascia➤ The generator should be able to take 45 different types of probes for open and minimally invasive	1	

	<p>arthroscopic procedures.</p> <ul style="list-style-type: none"> ➤ The generator should have the facility to use a finger switch controlled probes. ➤ The RF generator should be capable to take TOPAZ range of probes for Tendon and fascia treatments. ➤ The surgeon should be able to effectively monitor current temperature measurement of the arthroscopic irrigating fluid. This system is equipped with an alarm mechanism that visually and audibly alerts the user when temperatures exceed a predetermined limit. ➤ Patient cable: Overall Length should be minimum 8-9 feet Sterilization method: Steam ➤ Output Power: Fundamental frequency: 100 KHz with 20 % tolerance level Voltage Range: 0-300 Vrms@100 KHz minimum Operating Temperature: 10°C ➤ It should also have a foot switch- 1 no. ➤ Probe-shaft size 3.75mm and angle 90° for doing knee arthroscopy, cruciate reconstruction, shoulder arthroscopy, subacromial decompression- 2 no. ➤ Probe- shaft size 2.3 mm and angle 15° for doing knee arthroscopy and chondroplasty- 2 no. ➤ The Company Should have CE, ISO 13485:2003 Certificate 		
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AMC Rate

Sr.No	The Annual Maintenance Contract (AMC) of Comprehensive Nature for the period of three years from the expiry of Guarantee/warranty period of one year	1 st Year	2 nd Year	3 rd year	Total
1	Digital Camera with In-Built Light Source				
2	Telescopes for Laparoscopy				
3	Fluid Management System				
4	Arthroscopic Power Shaver System:				
5	Radiofrequency Ablation System				