



भारत सरकार

Government of India

वर्धमान महावीर मेडिकल कॉलेज एवं सफदरजंग अस्पताल, नई दिल्ली--110029

Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi-110029

क्रीड़ा घात केन्द्र

Sports Injury Centre



Date: 11.12.2025

**Note**

**Subject: Inviting Rate Enquiry of implants at Sports Injury Centre-reg.**

In order to facilitate transparent procurement of implants for patient care at Sports Injury Centre (SIC), Safdarjung Hospital, New Delhi, a Rate Enquiry document for various implants has been attached herewith.

2. Interested firms / vendors are requested to submit their rates, pointwise as per the attached list with specifications, strictly via **email: ddasic@vmmc-sjh.nic.in** by **03.01.2026**. The participating firms / vendors are requested to furnish a composite rate of each set of implants to be provided. Late submissions shall not be entertained.

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Deputy Director (Admn.)

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To,

All concerned

## COMPREHENSIVE LIST OF IMPLANTS USED AT SIC

### KNEE

#### Single /Double Bundle ACL Reconstruction Set or PCL Reconstruction

1. **Adjustable loop system Features:**  
The implant should allow the graft to fill the entire/ a part of socket  
4 point locking/ fixed loop mechanism for avoiding slippage of the button  
It should allow to pass graft in less than or up-to 3.5cm tunnel.  
Should have a pulling and flipping suture
2. **Fixed Loop:**  
loop length varying from 15 mm to 35 mm (all sizes) with strong pulling and flipping suture for Hamstring graft
3. **Free fixation devices** in form of (Titanium / PEEK)
  - a. Disc.
  - b. Button.
  - c. Staple.
 a, b & c above to be quoted separately.
4. **Free adjustable loop with separate button/disc of titanium or PEEK for ligament reconstruction**
5. **Bio-composite screw Features—**  
Tapered Bio-composite screw with Blunt Tip / Tapered tip easy insertion to provide maximum compression for fixation of soft tissue grafts & BTB Bone Graft
  - a. Sizes—6/7 mm to 11 mm diameter with length 22 mm to 35mm (including all available sizes).
6. **Metal interference screw-** Blunt Tip / Tapered tip easy insertion to provide maximum compression for fixation of soft tissue grafts & BTP Bone Graft Sizes—6mm to 11 mm diameter with length 20 mm to 35mm
7. **Retrograde reamers** for All inside ACL/ PCL reconstruction- size from 6mm to 11mm in increment of 1 mm.
8. **UHMWPE suture** No. 2-0, No. 0, No.2 with or without needle.
9. **UHMWPE tape**
10. **PEEK Screw** —6/7 mm to 11 mm diameter with length 22 mm to 35mm (In addition, all sizes)
11. **Adjustable loop for-**
  - a) Bone Patellar Bone Tendon Graft (BPBT)
  - b) Quadriceps tendon
 a & b above to be quoted separately.
12. **Meniscus repair all inside repair device- PEEK / All suture based-**Company to provide Meniscus repair suture pusher and cutter free of cost at time of device usage.
13. **Preloaded inside out meniscus repair needles with UHMWPE sutures** – (1 set of 2 needles with UHMWPE suture)
14. **Meniscus repair inside out zone specific cannulas with firing device.** – Reusable
15. **Meniscus root repair set - 2 UHMWPE sutures with 1 peek button/free endobutton.**



16. **Mosaicplasty/OATS set – 6, 8, 10 mm**-A procedure done for medium sized full thickness chondral defects in which a healthy cartilage is transplanted to an unhealthy one in the same arthroscopic settings.
17. **Autologus chondrocyte implantation set-** A procedure done for large sized full thickness chondral defects. It's a two stage procedure in which healthy cartilage cells are taken out in the first setting and sent to a lab for culture. Thereafter 6 weeks the cultured cartilage cells are transplanted in the form of gel to the unhealthy large sized chondral defect.
18. **MACI (Collagen membrane based ACI)**
19. **Acellular matrix filler for chondral defects in joints**
20. **Artificial graft augments for ligament reconstruction**
  - The product should be a bio-composite soft tissue augmentation scaffold for use in ligament and tendon repair surgeries.
  - The product should be sterile and available in multiple sizes and should comply with standards for reinforcement of soft tissue where weakness exists.
  - The product should be ready-to-use with no requirement for rehydration or special preparation before implantation.
  - All Instruments required for graft deployment to be provided along
  - The product should provide excellent handling properties to ease suturing and implantation during surgery.
  - The product should be packaged for single-use only.
  - The product should be compliant with US FDA/DGCI/EU MDR standards for soft tissue augmentation.

**21. Allogenic tendon / Meniscus/ Bone Grafts-** The product must comply with relevant statutory regulations of Govt. of India for its human use and must have the necessary licensing/certifications for its use. Safe Transport and Storage criteria to be fulfilled by the vendor.

No.	Tissue Type	Allograft Type	Graft Specifications	Indications
1	Bones	<b>Cancellous Block (All Sizes)</b>	Freeze-dried Femoral head cancellous block (all sizes)	Joint Arthroplasty fracture management acetabular bone loss Impaction bone grafting
5	Bones	<b>Bone plugs (all sizes)</b>	Freeze-dried plug All Sizes	Screw fixation revision ACL tunnel filling
7	Soft Tissue: Tendons	<b>Tendon (All Sizes)</b>	Frozen tendon All Sizes, All Lengths	Revision ACL reconstruction PCL, MPFL, MCL, PLC Reconstruction AC joint reconstruction Ankle stabilization
10	Soft Tissue: Tendons	<b>Achilles Tendon</b>	Frozen tendon All Sizes, All Lengths	TA repairs Quadriceps/Patellar tendon repairs
11	Soft Tissue: Tendons	<b>Achilles Tendon + bone Block</b>	Frozen tendon All Sizes, All Lengths	Lower trapezius transfers
12	Soft Tissue: Acellular	<b>Acellular dermal patch (All sizes)</b>	Acellular dermal patch (All sizes, All lengths)	Irreparable cuff tears augmentation of rotator cuff tears capsular reconstruction of hips, shoulder, elbow.
15	Soft Tissue: Meniscus	<b>Meniscus</b>		Meniscal allograft transplantation
16	Soft Tissue: Meniscus	<b>Meniscus Lateral or medial without bone block</b>		
17	Soft Tissue: Meniscus	<b>Meniscus lateral or medial with bone block</b>		
18	Soft Tissue: Tendons	<b>Bone patellar tendon bone</b>	Frozen Tendon Hemi patella with patellar tendon and tibial tuberosity	ACL/PCL Reconstructions
19	Soft Tissue: Tendons	<b>Quadriceps tendon with hemi patella</b>	Frozen Tendon	
20	Soft Tissue: Tendons	<b>Extensor Apparatus</b>	Frozen Tendon Quadriceps with patella followed by patellar tendon + tibial tuberosity	Extensor mechanism reconstruction
21	Bone matrix	<b>Cortico-cancellous Granules (All Sizes &amp; volume)</b>	All sizes & volumes	
22	Bone matrix	<b>Demineralized Bone Granules (All Sizes &amp; Volumes)</b>	All Sizes & Volumes	Osteo-inductive Demineralized bone matrix filling bony voids/gaps



**21. Bone Marrow Harvesting System for AVN**

Autologous Bone Marrow Aspiration Concentrate system designed for the concentration of stem cells, progenitor cells, and growth factors from bone marrow aspirate for use in orthopaedic, sports medicine, and regenerative applications.

**22. HTO / Deformity Correction - It's a procedure done to correct the bone alignment of the deformed knees.**

- (i) **Fixed wedged plate for HTO** with variable angle screw fixation
  - Titanium
  - PEEK
  - Wedge option - (5-15mm)
- (ii) **Titanium T plate** for HTO with
  - (a) Variable angle screw
  - (b) Fixed angle screw
- (iii) Bone substitute bio composite wedge block for HTO- All sizes  
i, ii, iii to be quoted separately.

**23. Calcium phosphate / Bio-composite antibiotic Beads- All sizes, all types****24. Distal Femoral Osteotomy (DFO) Plate- All Sizes with fixed & variable angle screw options****SHOULDER****25. Clear Cannula- All sizes, All types****26. Suture passage hook: All sizes, All types, All angles****A) For Bankart / Remplissage / SLAP / HAGL / GAGL / ALPSA repair (INSTABILITY procedures)****Knotted anchors****27. Titanium Metal anchor- Titanium anchor body with screw-in design with**

- a) one UHMWPE suture
- b) 2 UHMWPE suture

It should have diameter of 2.5-3.0mm with length of 10-30 mm with suture of superior strength, soft feel & abrasion resistance to eliminate possibility of suture breakage in knot tying.

a & b above to be quoted separately.

**28. All suture Anchor Features-- All suture anchors with single loaded suture / tape-based implant made of UHMWPE for strong fixation, for instability repair.**

- a) Active deployment mechanism, not requiring manual tensioning (2<sup>nd</sup> generation)
- b) Requiring manual tensioning (1<sup>st</sup> generation)

With all available sizes & types (to be quoted separately).

a & b above to be quoted separately.

**29. PEEK anchor- All Sizes****30. Bio-composite anchor-All Sizes****31. Knotless anchor- All Sizes**

- a. PEEK
- b. Bio-composite
- a & b above to be quoted separately.
- 32. **Arthroscopic Latarjet-**  
A procedure done for Glenoid bone (POST RECURRENT DISLOCATION SHOULDER)
  - a. Single to 2 button fixation device.
  - b. Titanium screw with washer device with specific canula.
- a & b above to be quoted separately.
- 33. **Mini Open Latarjet**
  - a. 2 Titanium screw with washer 4-4.5mm. length 30-46mm.
  - b. Latarjet plate
  - c. Latarjet bone block system with and without button
- All above to be quoted separately.
- 34. **Biceps Tenodesis Screw-** 7-9mm- This screw is used to fix the Biceps tendon high in the groove, in the groove or for Sub pectoral tenodesis
- 35. **Pectoralis major repair button.**
- 36. **Distal Biceps repair button** – for repair of distal biceps avulsion.

**B) For Rotator cuff Repair**

- 37. **Knotted anchor for medial row (all to be quoted separately)**
  - a) **Metal anchor-** Titanium double or triple loaded UHMWPE suture screw in anchor 4.5-5.5mm or more with or without needle.
  - b) **All suture anchor-** double or triple loaded UHMWPE suture anchor 1.8-2.8mm
    - i. With UHMWPE suture.
    - ii. With UHMWPE tape.
  - i & ii above to be quoted separately.
  - c) **Bio-composite anchor** – double or triple loaded UHMWPE suture anchor 4.5-5.5mm or more
    - i. With UHMWPE suture
    - ii. With UHMWPE tape
  - i & ii above to be quoted separately.
  - d) **PEEK anchor** - double or triple loaded UHMWPE suture anchor 4.5-5.5mm
    - i. With UHMWPE suture
    - ii. With UHMWPE tape
  - i & ii above to be quoted separately.
- 38. **Knotless anchor (for medial and/or lateral row repair)**
  - a) **Bio-composite anchor** 4.75-6.5.mm
  - b) **PEEK anchor** 4.5-6.5mm
  - c) **Bio-composite anchor** 4.75-6.5.mm preloaded with UHMWPE tape and suture.
  - d) **PEEK anchor** 4.5-6.5mm preloaded with UHMWPE tape and suture.
- 39. **AC joint repair device-**
  - i) adjustable loop - 2 button or disc based
  - ii) Loop and button may be separate but part of one unit.



Knotless system. Rates of i & ii to be quoted separately.

40. Acellular human regenerative dermal matrix (for augmentation)

41. Sub-acromial balloon for irreparable rotator cuff tears

42. Nitinol wire

43. Suture passer and retriever device with needle all sizes (for Knee & Shoulder)

a. Single use device

b. Reusable device with needle. Cost of needle to be quoted, Device to be provided free of cost on per case basis by company.

## HAND/WRIST/FOOT/ANKLE

### Mini anchors for small joints & Phalanx ligaments Repair-

Should be compatible size and profile for intended use in hand surgery.

Ulnar collateral ligaments repair / scapholunate ligaments repair/ Mallet finger / golfer thumb /game keeper thumb/Modified Brostrom –Gould procedure for Lateral ankle ligaments reconstruction/Achilles tendon repair

44. Titanium Metal Anchor-Titanium anchor body with screw-in design with preloaded #2-0 UHMW suture/tape with/without needle for strong fixation. It should have diameter of 1.3-3.0 mm. Abrasion resistance to eliminate possibility of suture breakage in knot tying.

45. All suture Anchor Features-All suture anchor loaded with either a #2-0 or #3-0 suture, loaded with/without needles with compatible sleeve & drill bit, with pilot hole diameter of 1.0-1.8mm.

a. Self-deployment mechanism in the suture anchor

b. Without self-deployment mechanism.

A & b above to be quoted separately.

46. Knotless anchor-2.4 -2.9mm

a. PEEK anchor.

b. BIOCOMPOSITE anchor.

A & b above to be quoted separately.

47. Headless compression screw with graduated pitch -1.9/2 and 2.4/2.5mm for hand and foot surgery.

48. Tenodesis screw for small joints in

A) PEEK

B) Bio-composite material.

49. TFCC Kit – complete with anchorage device.

## HIP

Hip Arthroscopy Instrumentation and Implants set

Implants and products for Labrum Repair

Knotted and Knotless anchors for use in stability procedures of femoro-acetabular joint

Knotted Anchor with Suture and Tapes

50. Metal anchor-All sizes

51. ALL suture anchor – All sizes

52. Hemi -shoulder Arthroplasty

Neer Prosthesis - Fixed Shoulder (Various Sizes)

**53. Modular hemi shoulder Set Cemented (US FDA approved)/ DGCI**

a) Hemi-shoulder stem Cemented, Co-Cr/Titanium

b) Hemi-shoulder Humeral Head All sizes

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**54. Modular hemi shoulder Set Uncemented (US FDA approved)/ DGCI**

a. Hemi-shoulder stem Uncemented, Co-Cr/Titanium

b. Hemi-shoulder Humeral Head All sizes

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**55. Total Shoulder replacement prosthesis system Cemented (US FDA approved)/ DGCI**

a. Total shoulder humeral stem with holes in fins for muscle and soft tissue Reconstruction-cemented

b. Humeral Head All sizes

c. Glenoid prosthesis cross linked poly.

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**56. Total Shoulder replacement prosthesis system Uncemented (US FDA approved)**

a. Total shoulder humeral stem with holes in fins for muscle and soft tissue Reconstruction- Un-cemented

b. Humeral Head All sizes

c. Glenoid prosthesis cross-linked poly.

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**57. Reverse shoulder prosthesis system- All sizes, diameters & designs available in market (To be quoted separately)**

a. Cemented Humeral Stem with 0°-10° Retroversion, Co-Cr

b. Non Cemented Humeral Stem with 0°-10° Retroversion, Co-Cr

c. Glenoid Base-plate with all sizes, screws & augments if required for Glenoid bone defect reconstruction

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**58. UKA system- Both Mobile & Fixed Bearing System (All sizes & variants)**

a. Femoral component zirconium – niobium alloy (all variants)/ cobalt chromium alloy (all variants)/Titanium alloy.

b. Tibial component or Tibial tray Titanium alloy (it's all variants)/ Oxidized zirconium (OxZr) alloy/ Cobalt chromium (CoCr) alloy.

c. Articulating surface or insert UHMWPE.

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**59. Radial head modular replacement system with all sizes and instrumentation-** Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**60. Total Elbow replacement system with all sizes and instrumentation-** Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**61. Primary Total Hip Arthroplasty (THA)-**

a) Cemented THA and Bipolar- All sizes, types & variants of Acetabulum cup/ ( in bipolar - bipolar cup with poly liner, centralizer for all stems, cement restrictor, bone cement ( all



quantity and viscosity with and without antibiotics, femoral Head, Liner & femoral component (with and without collar), disposable cement gun, pulse lavage.

- b) Un-cemented/cementless THA- All sizes, types & variants of Acetabular shell, Head, crosslinked poly Liner -all varieties & femoral stem. Screws for above shell.

Cost of all components of a & b above to be quoted separately.

- c) Hybrid THA- All sizes, types & variants of Acetabular cup, Head, Liner & femoral stem  
Cost of all components of complete implant set to be quoted separately by the concerned vendor.  
Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**62. DUAL Mobility cup for-**

- a) Bipolar Hemi-arthroplasty

- b) Total Hip replacement

All sizes.

Cost of all components of complete implant set to be quoted separately by the concerned vendor.

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

**63. Revision Hip Arthroplasty**

- a) All types of offset stem

- b) All sizes of stem

- c) Collared stem all sizes

- d) Monobloc - Modular Revision Stem System

Revision Hip Replacement System with Cementless Long Stem

- i. Cementless Long Femoral Stem for Revision Hip system (Length should be 190mm-305mm, Lateralised Design with Taper Geometry, 8-10 Longitudinal Ribs, HA Coated Neck, Polished Distal Tip)

- ii. Ceramic Head of Various size

- iii. Revision Cementless Acetabular Shell (Titanium, Porous Coated, Multi-hole shell with variable option of 3 to 9 holes, Compatible with both Ceramic & Poly Liners)

- iv. Acetabular Highly Crosslink Poly (UHMWPE) Cup Liner with 10 deg. LPW available in different sizes

- v. Bone Screws (Titanium Alloy, Self Tapping, Available in various sizes)

Cost of all components of complete implant set to be quoted separately by the concerned vendor.

Company should supply the instrumentation and logistics at the time of surgery at no extra cost

- e) Long distal fitting stem with proximal holes for rotators

- f) Long distal fitting stem with proximal holes for rotators and distal holes for screws

- g) Multi hole porous acetabular cup all sizes

- h) Augments, sleeves, inserts, bio-composites, tantalum for femoral and acetabular deficiencies

- i) Mesh and cage for acetabular reconstruction

- j) Cement removal system

- k) Wire cable system for fixing extended trochanteric osteotomy

Cost of all components of complete implant set to be quoted separately by the concerned vendor.

**64. Bone Cement for the use of Arthroplasty**

1. With antibiotic.

2. Without antibiotic.

**65. Pulse lavage system for use in arthroplasty.**

**66. Absorbable local antibiotic delivery system based on calcium sulfate beads.****Guidelines-**

1. Demo of implants is mandatory at time of evaluation
2. All implants should be DGCI or Indian FDA and/or USFDA and/or EU MDR and/or CDSCO certified
3. All items to be quoted in 2 categories
  - a) Country of origin -India.
  - b) Country of origin - Outside India.
4. Cost of all types, sizes, components & variants in an individual set of implant also to be quoted separately
5. All rates/quotations must comply with any existing statutory regulations of Government of India
6. Company should supply the instrumentation and logistics at the time of surgery at no extra cost
7. Size, type & component variation of the implant will be accepted if it is compatible for use in the concerned surgical procedure in the best interest of patient care.
8. Rates of Total Knee Replacement & Revision Total Knee Replacement are to be followed as per prevailing NPPA guidelines.