

राजेन्द्र आयुर्विज्ञान संस्थान
(झारखण्ड सरकार का एक स्वयतशासी संस्थान)
राँची-834009 (झारखण्ड)
दुरभाष: 0651-2541533, फ़ैक्स: 0651-2540629,
E-mail: rimsranchi@rediffmail.com



RAJENDRA INSTITUTE OF MEDICAL SCIENCES
(An Autonomous Institute under Govt. of Jharkhand)
Ranchi-834009 (Jharkhand)
Phone: 0651-2541533, Fax: 0651-2540629,
Email : rimsranchi@rediffmail.com

Tender notice no. RIMS/Surgical goods stores (3)/ 2446 Dated 04.04.2017

**Sample Tender paper for Surgical Implants and accessories for (1)
Department of Cardiology & (2) Department of Orthopaedics, RIMS, Ranchi**

Issued to

M/s _____

Against money receipt number/RIMS, dated :

Cashier
RIMS, Ranchi

Tender for supply of (1) Consumables / accessories like Stent, Catheter for Angiography / Angioplasty in Cardiology & (2) Implants & accessories for Orthopaedics Department, RIMS, Ranchi

To,

M/s _____

Dear Sir,

Director, Rajendra Institute of Medical Sciences, Ranchi invites you to tender for supply of (1) Consumables / accessories like Stent, Catheter for Angiography / Angioplasty in Cardiology & (2) Implants & accessories for Orthopaedics at RIMS, Ranchi.

The conditions of contract which will govern any contract made are as under. Any special conditions attached in tender will also be part of the conditions

If you are in a position to quote for supply & installation in accordance with requirements stated in tender notice & tender form, you must also furnish all the information called for, along with your tender.

This tender is non transferable.

All legal matter in respect to this tender will be subject to jurisdiction of Hon'ble Jharkhand High Court, Ranchi.

The last date of submission of tender paper by registered posts / speed post only, is 05.06.2017 during office hours.

Note :- The department wise separate list of items under tender is enclosed with this tender document.

The bidders have to submit separate tender document fee @Rs. 5000/- for each tender document. Without tender fee the tenders will not be entertained. Similarly the bidders have to enclose separate EMD in form of Demand Draft :- (1) for Consumables / accessories like stents, catheters etc. for Angiography / Angioplasty in cardiology department of Rs. 50,000/- (Fifty thousand) and (2) for accessories / consumables / implants of orthopaedics department - Rs. 50,000/- (Fifty thousand) only in favour of Director, Rajendra Institute of Medical Sciences, Ranchi and accordingly the bidders have to submit separately packed envelopes for both the tenders. The bids should be submitted in two bid system (Technical Bid & Price Bid).

Yours faithfully

Sd/-
Director
Rajendra Institute of Medical Sciences,
Ranchi

OFFICE OF THE DIRECTOR
RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI
Bariatu, Ranchi – 834009 (Jharkhand)

General Terms & Conditions

1. The terms and conditions mentioned in tender notice no. 2446 dated 04.04.2017.
2. The tender should be submitted in duplicate complete with specification, literature, leaflet along with catalogues etc. leaving no room for back references.
3. Bids are to be submitted in two parts viz. (A) Technical Bid containing complete technical aspects including original EMD, Affidavit etc., except price bid & (B) Price Bid containing price elements only.

Note : The tenderers have to submit separate packed technical & price bids for each department. The envelopes must be superscribed as technical bid for tender no. dated for department of & similarly price bid envelopes should be superscribed. All the envelopes of one department should be packed within one envelop.

4. Technical Specification should be in the proforma / format given below :

**A. Technical Specification Proforma for department of
 (for implants / accessories, consumables etc.)**

Sl. No.	Required technical specification as mentioned in tender form	Tenderer's detail technical specification of the item with make / model for which they are quoting	Remarks or any other extra advantages of the quoted model or attachments (if any)

Full signature of the tenderer with seal
 Designation :
 Dated :

5. **Price Bid Proforma : (Price of every item must be in separate packed envelopes)**

Sl. No.	Technical specification / size with make / model of the items	Unit Price in Indian Rs.	Mention clearly the excise duty charges, or any other charges, sales tax etc. in Indian Rs.	Price FOR destination with all taxes. (INR)

Full signature of the tenderer with seal

 Name
 (in capital letters)

Sd/-
 Director
 Rajendra Institute of Medical Sciences
 Ranchi

6. List & specifications of items :- department wise separate list is enclosed herewith this tender documents. All the bidders have to get it confirmed at the time of purchase or during downloading of tender documents.
8. The price should be inclusive packing, carriage cost.
9. The price quoted should be valid for at least two years from the date of opening of tender.
10. The intending tenderers should produce the copy of manufacturing registration certificate. In case of authorization – original authorization certificate issued by the manufacturer in the name of Director, RIMS, Ranchi. The authorization must be valid at the time of tender opening.
11. The tenderer must enclose registration certificate of Jharkhand Sales tax/JVAT along with update respective clearance certificate or If the bidding agency is not registered under Jharkhand Sales tax department then they must give an undertaking through notary affidavit that "They will supply & install the equipment/items at fixed destination after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for customs clearance in case of imported equipments. They shall not demand any document from Director, RIMS for clearance or duty exemption/waiver/relief in this regard."
12. The tenderer should furnish the expiry (if any) of their quoted items. Items having expiry less than 18 months will be not be accepted at the time of delivery.
13. The tender without EMD & without tender cost will be ignored straightway.
14. Incomplete tender will be summarily rejected.
15. The EMD will be refunded in full to the unsuccessful tenderers after finalization of tender and in case of successful tender, the EMD will be refunded only after expiry of warranty / guarantee period.
16. The full EMD shall be forfeited in case of backing out of the offer after acceptance.
17. The successful tenderer have to supply the items in accordance with the specification as finalized and approved by the purchase committee.

Full signature of the tenderer
With seal and date

Designation.

18. Contractor Form 'A'

Telegraph Address :-
Telephone No. :
Telex No. :
Fax No.

From

(Full name and address of the tenderer)

To
 The Director
 Rajendra Institute of Medical Sciences,
 Ranchi.

Sir,

1. I / We hereby offer to supply the stores detailed in the schedule here to such position thereof as you may specify in the supply order at the price given in the said schedule and agree to hold the order (offer) open till it is opened. I/We shall be bound by communication of acceptance within the prescribed time.
2. I / We have understood the instructions to tenderers and terms conditions of contract for contract concluded by Director, RIMS as contained in schedule & tender notice. We have thoroughly examined specification drawing or pattern quoted in the schedule here to and am/are fully aware of the nature of the stores required.
3. The following pages have been enclosed to and from part of this tender's technical bid

Yours faithfully

Signature of tenderer

Address

Dated

Seal.....

19. All documents duly completed, signed and sealed should be enclosed with your tender offer failing which your quotation will be treated as incomplete.

Technical compliance report duly filled and signed with seal of the bidder.

The bidders must fill all the rows/columns of this compliance report. This report will be inspected & evaluated by purchase committee and accordingly documents will be verified on the concerned page numbers.

Sl. No.	Enclosures required	Have you enclosed it? write clearly Yes or No	If yes then on page no. of this bid.
1.	Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State.	Yes or No	Page No.
2.	Photocopy of JVAT/Sates tax clearance certificate of Jharkhand State, valid at the time of opening of technical bid. OR If the bidding agency is not registered under Jharkhand sales tax department, then they must give an undertaking through notary affidavit that "They will supply the equipment/items at RIMS, Ranchi after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for custom clearance in case of imported equipments. They shall not demand any document from RIMS for JVAT/custom clearance/duty exemption / waiver/relief in this regard".	Yes or No	Page No.
3.	(i) Whether manufacturer or authorized dealer	Yes or No	On Page No.
	(ii) If authorized dealer then write names of the original manufacturers and enclose the authorizations issued to you. e.g.	Yes or No	On Page No.
	a. Authorization letter of M/s	Yes or No	On Page No.
	b. Authorization letter of M/s and so on	Yes or No	On Page No.

4.	Income Tax PAN No. (e.g. XYZA1234G) also mention clearly that PAN No. of proprietor or PAN no. of Company	Yes or No	On Page No.
5.	EMD in form of Demand Draft No. dated issued by (name of bank) amount (1) for Cardiology accessories Rs. 50,000.00 (Fifty thousand) & (2) for Orthopaedics implants Rs. 50,000.00 (Fifty thousand) only in favour of Director, RIMS, Ranchi. (Note :- The bidders also have to submit Rs. 5,000/- for each department's tender papers.	Yes or No	On Page No.
6.	Affidavits through first class magistrate / Notary Public, mentioning that – (a) "Our company has not been black listed or convicted in the past by any Hospital Organization or by any Government / Semi government organization / P.S.U.s / C.B.I / C.C.I & free from all kind of litigation/allegations, (b) That the firm has no vigilance case/CBI/FEMA/CCI case pending against him/supplier (Principal) (c) That the firm is not supplying the same item at lower rate quoted in the tender to any government organization or any other institute".	Yes or No	On Page No.
7.	Technical specifications with catalogue & dimensions of equipment, accessories & details.	Yes or No	On Page No.
8.	I.T. return certificate & balance sheet of the bidders for last three financial year having minimum turnover of Rs. 50,00,000/- (Rupee fifty lakhs only) in any one year within last three years.	Yes or No	On Page No.
9.	ISO/CE/BIS/FDA/WHOGMP certificates as per need of te items wise requirement (if any).	Yes or No	On Page No.
10.	For price justification all the bidders have to enclose the order copy/copies issued by any govt./semi govt./PSUs for the same item / items/model in the bidder's offer. Note : In the technical bid the bidders shall enclose the order copy without price i.e. after deliting the prices but in their price bids all the bidders must have to enclosed the previous order copies with their price value.	Yes or No	On Page No.
11.	The bidders have to enclose/confirm the list of institutions regarding supply, installations and functioning of the same make & model equipment within last three years. The purchaser or technical committee may verify or confirm the bidders documents from the concerned institutes. (Not mandatory for consumables & small equipments)	Yes or No	On Page No.
12.	The bidders have to give self undertaking that they are not violating the Drugs Price Control Order (DPC) in quoting their prices under this tender.	Yes or No	On Page No.

Note :

1. Sales tax form JVAT-504 G / Road permit / Entry tax etc. of Govt. of Jharkhand will not be issued by authority. It will be responsibility of the bidders to arrange JVAT form 504-G or any other documents related to sales tax / entry tax on their own.
2. If any of the above enclosures are of more than one page then in the page number columns write clearly on page no. to page no.

3. Without filling the compliance report the offer will be rejected directly at the time of technical evaluation.
4. All the bidders have to provide soft copy of their technical specifications (same as they have submitted in hard copy of technical bid) in PEN drive also. PEN drive must be submitted by all the bidders at the time of opening of technical bid in front of purchase committee.

Certificate of Compliance

I Mr. / Mrs. / Miss on behalf of M/s (Name of firm / company) do hereby confirm that I have verified the above compliance report, it is duly filled. Our technical bid consists of total (No. of pages) (in words)

Signature of the Bidder
with date & seal of the firm / company

20. Price bid of technically acceptable offers would only be opened for which either the respective firm would be invited through telephone / fax or the same may be opened with display in the notice board in case telephone message can not be passed on.
21. In case of late supply of the items from the stipulated time frame, the liquidated damage charges / panalties shall be incorporated / charged on the bidders as follows :-
 - (i) @0.5% of the total contract value after 07 (seven days) from the stipulated date of job completion and subsequently 0.5% on every seven days (weekly) maximum upto 04 weeks.
 - (ii) After 04 weeks @1% of the contract value on every 07 days and upto further 04 weeks (i.e. upto total 08 weeks after stipulated date of job completion)
 - (iii) After 08 weeks @2% of the contract value on every 07 days and upto further 04 weeks (i.e. upto total 12 weeks after stipulated date of job completion)
 - (iv) After 12 weeks of security money and EMD will be forfeited by RIMS & the amount will be deposited in RIMS account & will be utilized for institute's development / treatment of patients. The same panalties will be incorporated during warranty as well as CMC period.
22. Expiry of supplied items : All quotees firms shall confirm that the supplied items must have minimum expiry of 18 months from the date of supply at RIMS, Ranchi. Only those items under 18 months expiry will be entertained whose itself life is less than 18 months from the date of manufacturing.
23. Tenders / Quotations are to be submitted in duplicate. Number of pages, leaflets / pamphlets, catalogue drawings etc. should be tied separately and marked original / duplicate. However, the tender inquiry document issued by RIMS should be attached with original copy of tender / quotation.
24. Technical bids & Price bids should be kept sealed separately superscribing the envelope "**Technical Bid**" & "**Price Bid**" and Tender Notice No. & Tenderers name with full address & telephone numbers.
25. The tenderers shall give a clear and guaranteed delivery period for completion of supply in their bid and they have to maintain the time frame.
26. Tenderers are required to answer all the question mentioned in the schedule & should return the same duly signed and filled along with form "A"
27. The tendering firms shall note that the supplies will be made in accordance with the specification mentioned in the tender.
28. Nevertheless, the purchaser shall be liable for price variation after final approval by purchase committee.

29. The purchaser shall be entitled and it shall be lawful on his part to forfeit the amount of EMD in whole or in part in the event of any default, failure or neglect on the part of the supplier in the fulfillment of performance in all respect of the contract under references or any other contract with the purchaser or any part thereof to the satisfaction of the purchaser.
30. Contractor / Seller hereby declare that the goods / stores / articles sold / supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification & particulars mentioned in the contract.
31. Payment terms as follows : After supply of the materials FOR RIMS, Ranchi. No advance shall be payable.
32. Price bids and technical bids should be separately packed, covers duly superscribed. Both the bids should be in duplicate. Both these packed bids should be put in another main envelope duly packed & mentioning following informations.

Tender notice no. RIMS/Surgical Goods store(3)/2446 dated 04.04.2017. for the department of Cardiology & Orthopaedics.

Date & time of opening : 06.06.2017 at 12.30 P.M.


Director
Rajendra Institute of Medical Sciences,
Ranchi

Signature of Tenderer
Name (in block letters) : _____
Capacity in which tenderer is signed : _____
Address in full : _____
Dated : _____ Seal _____



Tender notice no. RIMS/Surgical Goods Stores (3)/ 2446. Dated 04.04.2017

NOTICE INVITING TENDER

FOR SUPPLY OF (1) CONSUMABLES / ACCESSORIES LIKE STENTS, CATHETERS etc. REQUIRED FOR ANGIOGRAPHY / ANGIOPLASTY IN CARDIOLOGY DEPARTMENT & (2) ACCESSORIES / CONSUMABLES / IMPLANTS LIKE BONE PLATES, NAILS, SCREWS, PINS, WIRES, etc. REQUIRED IN ORTHOPAEDICS DEPARTMENT AT RIMS, RANCHI

Open tenders are being invited through sealed offers in two bid system (Technical bid & Price Bid) by speed post / Registered post only, from original equipment manufacturer or authorized dealer for supply of medical consumables / accessories / implants for two department (1) Cardiology Department – Stents (Drug eluting stents & Bare metal stents), balloon, catheters, wire, sheath etc. & (2) Orthopedic implants - like bone plates, nails, screws, pins, wires, etc. at RIMS, Ranchi. Tenders will not be accepted by hand or any other agency.

A. Important dates for Tenders	
1.	Date of uploading of sample tender paper on RIMS website www.rimsranchi.org for attending pre-bid meeting
2.	Pre bid meeting for discussion on various technical issues
3.	Date of issue of final tender documents (after pre-bid meeting) (Note – The intended bidders may participate either in both the tenders or they may participate in any one.)
4.	Last date of submission of sealed tender documents (Only by speed post / Registered post)
5.	Opening of technical bid & discussion on technical issues.

- Note :1. For details of list of accessories / implants etc., tender terms, conditions & specification please visit RIMS website : www.rimsranchi.org from 19.04.2017 for sample tender paper to attend the pre-bid meeting.
2. Final Tender paper will be uploaded on 08.05.2017 after pre bid meeting. All the bidders have to submit their tenders as per final tender paper (Not as per sample tender paper).
3. For orthopedics implants - After technical specification evaluation the price bids of all the technically qualified bidders will be opened and all the bidders have to accept the lowest price (L-1) quoted for the particular item / items under the tender (i.e. if bidder 'A' has qualified L-1 price for any of the implant then all the technically qualified bidders "B", "C", "D" etc. have to accept or negotiate for supply of that very item or items on the lowest quoted price so as to meet the complete implant set for one patient from one (single) manufacturer for safe treatment point of view.

Sd/-
Director
Rajendra Institute of Medical Sciences
Ranchi

RAJENDRA INSTITUTE OF MEDICAL SCIENCES

Tender Notice No. RIMA/Surgical Goods Stores (3)/2446 dtd 04.04.2017

CONSUMABLES/ACCESSORIES REQUIRED IN ANGIOGRAPHY/ANGIOPLASTY IN CARDIOLOGY DEPARTMENT

Group A	
S.No.	Name of articles Specification
1	Adult Introducer sheath with hemostatic valve & Puncture needle. Size:6F, 7F USFDA approved
2	Radial artery cannulation kit comprising of arterial sheath, Puncture needle 21G, Guide wire of 0.018"/0.021" and 50 cm long straight tip Size : 5F,6F,7F. USFDA approved
3	Manifold two port knobs to turn right when open
4	Pressure line : 100-150cm 4-6mm compatible with manifold and three way ports
5	Leur lock syringe for angiography (for multiple high pressure contrast injection in single patient) 5cm, 10cc
6	Angiography guidewires - A.) 0.035" PTFE coated J tip length (a) 140-160 cm (b) 250-260 cm and B.) 0.032" PTFE coated J tip length a.) 140-160cm
7	Right Coronary angiography diagnostic catheter's :- 100 cm or longer for femoral approach and various curves of 3, 3.5, 4.0 & 5. USFDA approved
8	Left coronary angiography diagnostic catheters : 100 cm or longer for femoral approach and various curves of 3, 3.5, 4.0 & 5. USFDA approved
9	Pigtail catheter's :- straight and angled 145-155 high flow light radius with 6-12 side holes, 5F, 6F, 7F USFDA approved
10	Coronary angiography diagnostic catheters for radial approach: 65 cm or longer and various curves 3, 3.5, 4, 5 USFDA approved

Group B	
S.No.	Name of articles Specification
11	PTCA Guiding Catheters :- It should be large Lumen, stainless steel braided, inner layer coated with PTFE. It should have soft tip with radiopaque marker band at tip for femoral and radial route. 6F & 7F with curves (3,3.5,4,5) USFDA approved
12	PTCA Guiding Catheters - Judkin left , USFDA Approved
13	PTCA Guiding Catheters -Judkin right , USFDA Approved
14	PTCA Guiding Catheters - AL1, AL2, AR-1, AR-2, (Amplate Left & Right) , USFDA Approved
15	PTCA Guiding Catheters - Extraback up left , USFDA Approved
16	PTCA Guiding Catheters - Extraback up right , USFDA Approved
17	PTCA Guiding Catheters - XB, Voda Left, Voda Right , USFDA Approved
18	Radial Guiding Catheter - EBU for left, ECR for right , USFDA Approved
19	Angiographic guide wire - Extra shift coated J tip , length (a) 140-160cm (b) 250-260cm
20	Inflation device with manometer 0-30 ATM & luminescent dial face. Easy to operate with ergonomic design. High strength syringe to maintain high pressure setting without pressure loss and immediate pressure release
21	PTCA insertion needle & torque device accepting 0.014", 0.018" guide wire.
22	Y Connector for PTCA - rotating hemostatic valve with spring type push & release mechanism. It should bleed back control valve and without formation of micro/macro air bubbles inside it during procedures.
23	Non spring Screw type Y connector for PTCA
24	Radiofocus guidewire (termou) J tip hydrophilic polymer length 150-160 cm, 0.018", 0.032", 0.038"
25	PTCA predilatation monorail balloon (semi compliant). Hypotube shaft design, low entry profile (0.017") and sequential tip for lesion accessibility and SF guiding catheter compatibility. Diameter (in mm):- 1.5, 2.0, 2.5, 2.75, 3, 3.5, 4.0. Length:- <10mm to 30mm. USFDA Approved

26	High Pressure noncomplaint balloon with high RBP(20ATM or more) smooth, rounded distal tip and no edge. Overdilatation at higher pressure, with least balloon overhang at the edges will be preferred. Diameter:- (mm) - 2,2.5,2.75,3, 3.25, 3.5, 3.75, 4, 4.5. Length:- (mm)- <8mm to 20mm. USFDA approved
27	Steerable PTCA floppy tip wire with extra support 0.014" USFDA approved
28	Steerable PTCA Wire with hydrophilic coating, 0.014" floppy tip with extra support 0.014". USFDA approved
29	Radial closure device comprising of compression pad with anatomic softwst support pad
30	Microcatheters over the wire system with end hole catheters. Int diameter - 1.7 to 2F, Shaft length - 130 to 170cm. USFDA approved
31	Bipolar temporary lead with introducer sheath (Adult 6, 7 F) USFDA approved

Group C (BMV)

Sl.No.	Name of articles Specification
32	Mitral valvuloplasty double lumen PTMC balloon with vent tube and hole in outer layer of balloon different sizes. USFDA approved
	a.) with accessories
	b.) without accessories.
33	PTMC double lumen balloon with no hole in balloon wall different sites. USFDA approved
	a.) with accessories
	b.) without accessories.
34	Mullin sheath
35	Brokenbrough Needle

Group D (Coronary Stents)

Size of coronary stent :- All available sizes; Diameter - <2mm to 4.5mm, length - 8mm to 60mm.

Sl.No.	Name of articles Specification
36	Bare metal Stents of various sizes. USFDA approved
37	Sirolimus Coated Drug eluting stents. USFDA approved
	(a) Stainless steel base
	(b) Cobalt Chromium base
	(c) Platinum Chromium base.
38	Paclitaxel Coated Drug eluting stents. USFDA approved
	(a) Stainless steel base
	(b) Cobalt Chromium base
	(c) Platinum Chromium base.
39	Everolimus Coated Drug eluting stents. USFDA approved
	(a) Stainless steel base
	(b) Cobalt Chromium base
	(c) Platinum Chromium base.
40	Zotarolimus Coated Drug Eluting stents USFDA approved
	(a) Stainless steel base
	(b) Cobalt Chromium base
	(c) Platinum Chromium base.
41	Sirolimus Coated Drug eluting stent with biodegradable polymer. USFDA Approved
	(a) Stainless steel base
	(b) Cobalt Chromium base.
42	Biolimus A9 coated drug eluting stent with biodegradable polymer. USFDA approved
	(a) Stainless steel base
	(b) Cobalt Chromium base
	(c) Platinum Chromium base.
43	Cononary stent graft with low profile (<1.5 mm), Diameter - 2.5 - 4 mm, length- upto 30mm or more
44	Tacrolimus & Newer limus drug eluting coronary stents. USFDA approved
45	Drug eluting Coronary stents - Polymer free & Bioabsorbable. USFDA approved

Group E (Closure Device)

Sl.No.	Name of articles Specification
46	ASD Closure device with delivery system - USFDA approved. Approved for pediatric & adult size. Device must be made up of biologically inert material, self-centring, detachable device with delivery cable available in all approved sizes.
47	PDA Closure device with delivery system - FDA approved. Approved for pediatric & adult size. Device must be made up of biologically inert material, self centring, detachable device with delivery cable in all approved sizes.

Group F (Pacemakers/ ICD / CRT)

Sl.No.	Name of articles Specification
48	<p>Pacemaker VVI / AAI, FDA Approved</p> <p>Advanced digital multi-programmable pacemaker with following features</p> <ul style="list-style-type: none"> > Single chamber pacemaker > Digital signal processing > Digital high sampling rates of P or R wave. > Automated ventricular rate stabilization during AF. <p>Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting</p> <ul style="list-style-type: none"> > Algorithm to minimize ventricular pacing will be preferred (a) With 7F compatible passive fixation tined leads or screw in lead & lead introducer. (b) Pulse generator only (c) 7F compatible passive fixation tined lead or screw in lead & lead introducer only
49	<p>Pacemaker VVIR / AAIR, FDA Approved</p> <p>Advanced digital multi-programmable pacemaker with following features</p> <ul style="list-style-type: none"> > Single chamber pacemaker > Digital signal processing > Digital high sampling rates of P or R wave. > Automated ventricular rate stabilization during AF. <p>Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting</p> <ul style="list-style-type: none"> > Algorithm to minimize ventricular pacing will be preferred (a) With 7f compatible passive fixation tined leads or screw in lead & lead introducer. (b) Pulse generator only (c) 7F compatible passive fixation tined lead or screw inlead & lead introducer only
50	<p>Pacemaker VDD , FDA Approved</p> <p>Pace Advanced digital multi-programmable pacemaker with following features -</p> <ul style="list-style-type: none"> > Single and dual chamber pacemaker > Digital signal processing > Digital high sampling rates of P and R wave. > Automated ventricular rate stabilization during AF. > Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting > Algorithm to minimize ventricular pacing will be preferred (a) With 7f compatible passive fixation tined lead or screw in lead & lead introducer. (b) Pulse generator only (c) 7F compatible passive fixation tined lead or screw in lead & lead introducer only

SI.No.	Name of articles Specification
51	Pacemaker DDD , FDA Approved Advanced digital multi-programmable pacemaker with following features >Single and dual chamber pacemaker > Digital signal processing > Digital high sampling rates of P and R wave. > Automated ventricular rate stabilization during AF. > Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting > Algorithm to minimize ventricular pacing will be preferred (a) With 7f compatible passive fixation tined lead or screw in lead & lead introducer. (b) Pulse generator only (c) 7F compatible passive fixation tined lead or screw in lead & lead introducer only
52	Pacemaker DDDR , FDA Approved Advanced digital multi-programmable pacemaker with following features - >Single and dual chamber pacemaker >Digital signal processing >Digital high sampling rates of P and R wave. >Automated ventricular rate stabilization during AF. >Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting >Algorithm to minimize ventricular pacing will be preferred (a) With 7f compatible passive fixation tined lead or screw in lead & lead introducer. (b) Pulse generator only (c) 7F compatible passive fixation tined lead or screw in lead & lead introducer only
53	Pacemaker DDDR / MRI COMPATIBLE with passive fixation steroid tipped tined leads or screw in leads with advanced features, FDA Approved
54	Pacemaker VVI / MRI COMPATIBLE , FDA APPROVED
55	Pacemaker VVIR / MRI COMPATIBLE, FDA APPROVED
56	Pacemaker VDD / MRI COMPATIBLE, FDA APPROVED
57	ICD SINGLE CHAMBER, FDA APPROVED * ICD should be small and physiological * Algorithm to eliminate over-sensing of R wave, T wave, fractionated QRS and other extraneous signals * Morphology bases SVT discrimination algorithm * ATP during charging * Wireless Telemetry * Encourage intrinsic conduction * More than 30 minutes of stored EGM * Device with all leads, FDA Approved * Device without leads, FDA Approved
58	Permanent pacing lead (ventricular/Atrialendocardial bipolar, passive fixation with tines), steroid eluting , IS - 1 header, FDA Approved
59	Permanent pacing lead (Ventricular / Atrial endocardial bipolar, active fixation with screws), steroid eluting, IS - 1 header, FDA Approved
60	Permanent defibrillation lead, bipolar endocardial steroid eluting active and passive fixation lead, FDA Approved
61	ICD SINGLE CHAMBER / MRI COMPATIBLE, FDA Approved

Sl.No.	Name of articles Specification
62	ICD DOUBLE CHAMBER , FDA Approved
	* ICD should be samll and physiological
	* Algorithm to eliminate over - sensing of R Wave, T Wave, fractionated QRS and Other extraneous signals
	* Morphology bases SVT discrimination algorithm
	* ATP during charging
	* Wireless Telemetry
	* Encourage intrinsic conduction
	* More than 30 minutes of stored EGM.
	* Device with all leads, FDA Approved
* Device without leads, FDA Approved	
63	ICD DOUBLE CHAMBER / MRI COMPATIABLE , FDA Approved
	* ICD should be small and physiological
	* Algorithm to eliminate over - sensing of R Wave, T Wave, fractionated QRS and Other extraneous signals
	* Morphology bases SVT discrimination algorithm
	* ATP during charging
	* Wireless Telemetry
	* Encourage intrinsic conduction
	* More than 30 minutes of stored EGM.
	* Device with all leads, FDA Approved
* Device without leads, FDA Approved	
64	BIVENTRICULAR PACING CRT - P, FDA Approved
	* Device with all leads (Including LV leads), FDA Approved
	* Device without leads, FDA Approved
65	BIVENTRICULAR PACING CRT - D, COMBO, FDA Approved
	* Device with all leads (Including LV leads), FDA Approved
	* Device without leads, FDA Approved

RAJENDRA INSTITUTE OF MEDICAL SCIENCES

Tender Notice No. RIMA/Surgical Goods Stores (3)/2446 dtd 04.04.2017

ACCESSORIES/CONSUMABLES/IMPLANTS REQUIRED IN ORTHOPAEDICS DEPARTMENT

GROUP - A : BONE PLATES - LOCKING	
S.No.	Name of articles Specification
1	3.5 MM LCP SUPERIOR ANTERIOR CLAVICLE PLATE WITHOUT LATERAL EXTENSION- RIGHT SIDE
	a. 6 HOLES
	b. 7 HOLES
	c. 8 HOLES
2	3.5 MM LCP SUPERIOR ANTERIOR CLAVICLE PLATE WITHOUT LATERAL EXTENSION- LEFT SIDE
	a. 6 HOLES
	b. 7 HOLES
	c. 8 HOLES
3	3.5 MM LCP SUPERIOR ANTERIOR CLAVICLE PLATE WITH LATERAL EXTENSION-RIGHT SIDE
	a. 3 HOLES
	b. 4 HOLES
	c. 5 HOLES
	d. 6 HOLES
	e. 7 HOLES
	f. 8 HOLES
4	3.5 MM LCP SUPERIOR ANTERIOR CLAVICLE PLATE WITH LATERAL EXTENSION- LEFT SIDE
	a. 3 HOLES
	b. 4 HOLES
	c. 5 HOLES
	d. 6 HOLES
	e. 7 HOLES
	f. 8 HOLES
5	3.5 MM LCP CLAVICLE HOOK PLATE- RIGHT SIDE
	a. 4 HOLES 12MM DEPTH
	b. 4 HOLES 15MM DEPTH
	c. 4 HOLES 18MM DEPTH
	d. 5 HOLES 12MM DEPTH
	e. 5 HOLES 15MM DEPTH
	f. 5 HOLES 18MM DEPTH
	g. 6 HOLES 12MM DEPTH
	h. 6 HOLES 15MM DEPTH
	i. 6 HOLES 18MM DEPTH
	j. 7 HOLES 12MM DEPTH
	k. 7 HOLES 15MM DEPTH
	l. 7 HOLES 18MM DEPTH
6	3.5 MM LCP CLAVICLE HOOK PLATE- LEFT SIDE
	a. 4 HOLES 12MM DEPTH
	b. 4 HOLES 15MM DEPTH
	c. 4 HOLES 18MM DEPTH
	d. 5 HOLES 12MM DEPTH
	e. 5 HOLES 15MM DEPTH
	f. 5 HOLES 18MM DEPTH
	g. 6 HOLES 12MM DEPTH
	h. 6 HOLES 15MM DEPTH
	i. 6 HOLES 18MM DEPTH
	j. 7 HOLES 12MM DEPTH

	k.	7 HOLES 15MM DEPTH
	l.	7 HOLES 18MM DEPTH
7		3.5 MM LCP SMALL PLATE
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	14 HOLES
8		3.5 MM LCP PERIARTICULAR PROXIMAL HUMERUS PLATE - RIGHT SIDE
	a.	2 HOLES
	b.	4 HOLES
	c.	6 HOLES
	d.	8 HOLES
	e.	10 HOLES
	f.	12 HOLES
	g.	14 HOLES
9		3.5 MM LCP PERIARTICULAR PROXIMAL HUMERUS PLATE - LEFT SIDE
	a.	2 HOLES
	b.	4 HOLES
	c.	6 HOLES
	d.	8 HOLES
	e.	10 HOLES
	f.	12 HOLES
	g.	14 HOLES
10		3.5 MM LONG PHILOS PLATE
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	11 HOLES
	k.	12 HOLES
	l.	13 HOLES
11		3.5 MM LONG SHORT PHILOS PLATE
	a.	3 HOLES
	b.	5 HOLES
12		3.5 MM LCP RECONSTRUCTION PLATE
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES

	h.	12 HOLES
	i.	14 HOLES
	j.	16 HOLES
	k.	18 HOLES
	l.	20 HOLES
	m.	22 HOLES
13	3.5/ 5 MM LCP METAPHYSEAL PLATE	
	a.	5+3 HOLES
	b.	5+4 HOLES
	c.	5+5 HOLES
	d.	5+6 HOLES
	e.	5+7 HOLES
	f.	5+ 8 HOLES
	g.	5+9 HOLES
	h.	5 +11 HOLES
	i.	5+13 HOLES
14	3.5 MM OLECRANON PLATE RIGHT	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
15	3.5 MM OLECRANON PLATE - LEFT	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
16	3.5 MM LCP MEDIAL DISTAL HUMERUS PLATE - RIGHT SIDE	
	a.	3 HOLES
	b.	5 HOLES
	c.	7 HOLES
	d.	9 HOLES
	e.	14 HOLES
17	3.5 MM LCP MEDIAL DISTAL HUMERUS PLATE - LEFT SIDE	
	a.	3 HOLES
	b.	5 HOLES
	c.	7 HOLES
	d.	9 HOLES
	e.	14 HOLES
18	3.5 MM LCP POSTEROLATERAL DISTAL HUMERUS PLATE WITH LATERAL SUPPORT- RIGHT SIDE	
	a.	3 HOLES
	b.	5 HOLES
	c.	7 HOLES
	d.	9 HOLES
	e.	14 HOLES
19	3.5 MM LCP POSTEROLATERAL DISTAL HUMERUS PLATE WITH LATERAL SUPPORT- LEFT SIDE	
	a.	3 HOLES
	b.	5 HOLES
	c.	7 HOLES
	d.	9 HOLES
	e.	14 HOLES

20	3.5 MM LCP POSTEROLATERAL DISTAL HUMERUS PLATE WITHOUT LATERAL SUPPORT- RIGHT SIDE
	a. 3 HOLES
	b. 5 HOLES
	c. 7 HOLES
	d. 9 HOLES
	e. 14 HOLES
21	3.5 MM LCP POSTEROLATERAL DISTAL HUMERUS PLATE WITHOUT LATERAL SUPPORT- LEFT SIDE
	a. 3 HOLES
	b. 5 HOLES
	c. 7 HOLES
	d. 9 HOLES
	e. 14 HOLES
22	3.5 MM LCP EXTRA- ARTICULAR DISTAL HUMERUS PLATE- RIGHT SIDE
	a. 4 HOLES
	b. 6 HOLES
	c. 8 HOLES
	d. 10 HOLES
	e. 12 HOLES
	f. 14 HOLES
23	3.5 MM LCP EXTRA- ARTICULAR DISTAL HUMERUS PLATE- LEFT SIDE
	a. 4 HOLES
	b. 6 HOLES
	c. 8 HOLES
	d. 10 HOLES
	e. 12 HOLES
	f. 14 HOLES
24	2.4 MM /2.7 MM VA- TWO COLUMN VOLAR DISTAL RADIUS PLATE
	a. 2 HOLES
	b. 3 HOLES
	c. 4 HOLES
	d. 5 HOLES
25	3.5 MM LCP T-PLATE RIGHT ANGLE
	a. 3 HOLES
	b. 4 HOLES
	c. 5 HOLES
	d. 6 HOLES
	e. 7 HOLES
	f. 8 HOLES
26	3.5 MM LCP T-PLATE OBLIQUE ANGLE - RIGHT SIDE
	a. 3 HOLES
	b. 4 HOLES
	c. 5 HOLES
	d. 6 HOLES
	e. 7 HOLES
	f. 8 HOLES
27	3.5 MM LCP T-PLATE OBLIQUE ANGLE - LEFT SIDE
	a. 3 HOLES
	b. 4 HOLES
	c. 5 HOLES
	d. 6 HOLES
	e. 7 HOLES
	f. 8 HOLES

28	2.4 MM LCP DISTAL RADIUS PLATE STRAIGHT- DORSAL
	a. 5 HOLES
	b. 6 HOLES
29	2.4 MM LCP DISTAL RADIUS PLATE - RIGHT SIDE DORSAL
	a. 2 HEAD HOLES, 3 SHAFT HOLES
	b. 2 HEAD HOLES , 4 SHAFT HOLES
30	2.4 MM LCP DISTAL RADIUS PLATE - LEFT SIDE DORSAL
	a. 2 HEAD HOLES, 3 SHAFT HOLES
	b. 2 HEAD HOLES , 4 SHAFT HOLES
31	2.4 MM LCP L DISTAL RADIUS PLATE - RIGHT SIDE DORSAL
	a. 3 HEAD HOLES, 3 SHAFT HOLES
	b. 3 HEAD HOLES , 4 SHAFT HOLES
32	2.4 MM LCP L DISTAL RADIUS PLATE - LEFT SIDE DORSAL
	a. 3 HEAD HOLES, 3 SHAFT HOLES
	b. 3 HEAD HOLES , 4 SHAFT HOLES
33	2.4 MM LCP DISTAL RADIUS PLATE OBLIQUE- RIGHT SIDE DORSAL
	a. 3 HEAD HOLES, 3 SHAFT HOLES
	b. 3 HEAD HOLES , 4 SHAFT HOLES
34	2.4 MM LCP DISTAL RADIUS PLATE OBLIQUE- LEFT SIDE DORSAL
	a. 3 HEAD HOLES, 3 SHAFT HOLES
	b. 3 HEAD HOLES , 4 SHAFT HOLES
35	2.4 MM LCP T DISTAL RADIUS PLATE - DORSAL
	a. 3 HEAD HOLES, 3 SHAFT HOLES
	b. 3 HEAD HOLES , 4 SHAFT HOLES
36	2.4 MM LCP DISTAL RADIUS PLATE - RIGHT SIDE VOLAR
	a. 5 HEAD HOLES, 3 SHAFT HOLES
	b. 5 HEAD HOLES , 5 SHAFT HOLES
37	2.4 MM LCP DISTAL RADIUS PLATE - LEFT SIDE VOLAR
	a. 5 HEAD HOLES, 3 SHAFT HOLES
	b. 5 HEAD HOLES , 5 SHAFT HOLES
38	2.4 MM LCP BUTTRESS PLATE- RIGHT SIDE - VOLAR
	a. 5 HEAD HOLES , 3 SHAFT HOLES
39	2.4 MM LCP BUTTRESS PLATE- LEFT SIDE - VOLAR
40	5.0 MM LCP DISTAL FEMUR PLATE- LEFT SIDE
	a. 5 HOLES
	b. 7 HOLES
	c. 9 HOLES
	d. 11 HOLES
	e. 13 HOLES
	f. 15 HOLES
41	5.0 MM LCP PROXIMAL FEMUR PLATE (TROCHANTRIC PLATE)
	a. 5 HOLES
	b. 7 HOLES
	c. 9 HOLES
	d. 11 HOLES
	e. 13 HOLES
42	5.0 MM LCP NARROW PLATE
	a. 5 HOLES
	b. 6 HOLES
	c. 7 HOLES

	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	14 HOLES
	j.	16 HOLES
43	5.0 MM LCP T- BUTTRESS PLATE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	12 HOLES
44	5.0 MM LCP L- BUTTRESS PLATE- RIGHT SIDE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	12 HOLES
45	5.0 MM LCP L- BUTTRESS PLATE- LEFT SIDE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	12 HOLES
46	3.5 MM LCP LOW BEND MEDIAL DISTAL TIBIA PLATE- RIGHT SIDE	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
47	3.5 MM LCP LOW BEND MEDIAL DISTAL TIBIA PLATE- LEFT SIDE	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
48	3.5 MM LCP LOW MEDIAL DISTAL TIBIA PLATE- RIGHT SIDE (WITH TAB)	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES

	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
49		3.5 MM LCP LOW MEDIAL DISTAL TIBIA PLATE- LEFT SIDE (WITH TAB)
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
50		5.0 MM LCP PROXIMAL LATERAL TIBIA PLATE RIGHT SIDE (HOCKEY)
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
	f.	15 HOLES
51		5.0 MM LCP PROXIMAL LATERAL TIBIA PLATE LEFT SIDE (HOCKEY)
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
	f.	15 HOLES
52		5.0 MM LCP RECONSTRUCTION PLATE
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	12 HOLES
	i.	14 HOLES
	j.	16 HOLES
53		5.0 MM LCP T- PLATE
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
54		3.5 MM LCP CLOVERLEAF PLATE
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES

	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
55	3.5 MM LCP LATERAL DISTAL FIBULA PLATE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
56	3.5 MM LCP PROXIMAL TIBIA PLATE (RAFT)- RIGHT SIDE	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
	g.	16 HOLES
57	3.5 MM LCP PROXIMAL TIBIA PLATE (RAFT)- LEFT SIDE	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
	g.	16 HOLES
58	3.5 MM LCP ANTEROLATERAL DISTAL TIBIA PLATE - RIGHT SIDE	
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
	f.	15 HOLES
	g.	17 HOLES
59	3.5 MM LCP ANTEROLATERAL DISTAL TIBIA PLATE - LEFT SIDE	
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
	f.	15 HOLES
	g.	17 HOLES
60	3.5 MM LCP MEDIAL PROXIMAL TIBIA PLATE - RIGHT SIDE	
	a.	4 HOLES
	b.	6 HOLES
	c.	8 HOLES
	d.	10 HOLES
	e.	12 HOLES
	f.	14 HOLES
	g.	16 HOLES

61	3.5 MM LCP MEDIAL PROXIMAL TIBIA PLATE - LEFT SIDE
a.	4 HOLES
b.	6 HOLES
c.	8 HOLES
d.	10 HOLES
e.	12 HOLES
f.	14 HOLES
g.	16 HOLES
62	3.5 MM LCP CALCANEAL PLATE- RIGHT SIDE
a.	64 MM
b.	69 MM
c.	76 MM
d.	81 MM
63	3.5 MM LCP CALCANEAL PLATE- LEFT SIDE
a.	64 MM
b.	69 MM
c.	76 MM
d.	81 MM

GROUP B - BONE PLATES - DCP

Sl. No.	Name of articles	Specification
64	2.7 MM DCP PLATE	
	a.	2 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	11 HOLES
	j.	12 HOLES
65	3.5 MM DCP SMALL	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	12 HOLES
	i.	14 HOLES
	j.	16 HOLES
66	4.5 MM DCP NARROW	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
	j.	13 HOLES
	k.	14 HOLES
	l.	15 HOLES
	m.	16 HOLES
	n.	18 HOLES
67	4.5 MM DCP BROAD	
	a.	6 HOLES
	b.	7 HOLES
	c.	8 HOLES
	d.	9 HOLES
	e.	10 HOLES
	f.	11 HOLES
	g.	12 HOLES
	h.	13 HOLES
	i.	14 HOLES

	j.	15 HOLES
	k.	16 HOLES
	l.	18 HOLES
	m.	20 HOLES
68	3.5 MM LC-DCP SMALL	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
	j.	13 HOLES
	k.	14 HOLES
	l.	15 HOLES
	m.	16 HOLES
69	4.5 MM LC-DCP NARROW	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
	j.	13 HOLES
	k.	14 HOLES
	l.	15 HOLES
	m.	16 HOLES
	n.	18 HOLES
70	4.5 MM LC-DCP BROAD	
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	13 HOLES
	j.	14 HOLES
	k.	15 HOLES
	l.	16 HOLES
71	3.5 MM 1/3 TUBULAR PLATE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES

	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
72	4.5 MM SEMI TUBULAR PLATE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
73	3.5 MM STRAIGHT RECONSTRUCTION PLATE- DYNAMIC HOLES	
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	13 HOLES
	j.	14 HOLES
	k.	16 HOLES
74	4.5 MM STRAIGHT RECONSTRUCTION PLATE- DYNAMIC HOLES	
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	13 HOLES
	j.	14 HOLES
75	3.5 MM STRAIGHT RECONSTRUCTION PLATE- ROUND HOLES (THICKNESS 1.6 MM)	
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	13 HOLES
	j.	14 HOLES
	k.	16 HOLES
	l.	18 HOLES
	m.	20 HOLES
	n.	22 HOLES

	o.	24 HOLES
76	4.5 MM STRAIGHT RECONSTRUCTION PLATE- ROUND HOLES (THICKNESS 1.6 MM)	
	a.	5 HOLES
	b.	6 HOLES
	c.	7 HOLES
	d.	8 HOLES
	e.	9 HOLES
	f.	10 HOLES
	g.	11 HOLES
	h.	12 HOLES
	i.	13 HOLES
	j.	14 HOLES
	k.	16 HOLES
	l.	18 HOLES
	m.	20 HOLES
	n.	22 HOLES
	o.	24 HOLES
77	3.5 MM SMALL PLATE RIGHT ANGLE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
78	3.5 MM SMALL T-PLATE OBLIQUE ANGLE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
79	4.5 MM T- PLATE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
80	4.5 MM T- BUTTRESS PLATE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
81	4.5 MM L-BUTTRESS PLATE -RIGHT	

	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
82	4.5 MM L-BUTTRESS PLATE -LEFT	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
83	4.5 MM LATERAL TIBIAL BUTTRESS PLATE DCP HOLES (HOCKEY)- RIGHT	
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
84	4.5 MM LATERAL TIBIAL BUTTRESS PLATE DCP HOLES (HOCKEY)- LEFT	
	a.	5 HOLES
	b.	7 HOLES
	c.	9 HOLES
	d.	11 HOLES
	e.	13 HOLES
85	3.5 MM CLOVERLEAF PLATE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
86	3.5 MM SPOON PLATE	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
87	3.5 MM Y RECONSTRUCTION PLATE	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
88	125° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES

	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
89	130° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
90	135° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
	m.	18 HOLES
	n.	20 HOLES
91	140° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
92	145° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES

	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
93	150° DHS PLATE LONG BARREL DYNAMIC HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
94	125° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	l.	12 HOLES
95	130° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	l.	12 HOLES
96	135° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES

	h.	10 HOLES
	i.	12 HOLES
97	140° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
98	145° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
99	150° DHS PLATE SHORT BARREL DYNAMIC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
100	125° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
101	130° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES

	h.	9 HOLES
	l.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
102	135° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	l.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
	m.	18 HOLES
	n.	20 HOLES
103	140° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	l.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
104	145° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES
	g.	8 HOLES
	h.	9 HOLES
	l.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
105	150° DHS PLATE LONG BARREL ROUND HOLES	
	a.	2 HOLES
	b.	3 HOLES
	c.	4 HOLES
	d.	5 HOLES
	e.	6 HOLES
	f.	7 HOLES

	g.	8 HOLES
	h.	9 HOLES
	i.	10 HOLES
	j.	12 HOLES
	k.	14 HOLES
	l.	16 HOLES
106	125° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
107	130° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
108	135° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
109	140° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
110	145° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES

	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
111	150° DHS PLATE SHORT BARREL ROUND HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
112	95° DCS PLATE DYNAMIC HOLES	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
	j.	14 HOLES
	k.	16 HOLES
	l.	18 HOLES
113	95° DCS PLATE ROUND HOLES	
	a.	4 HOLES
	b.	5 HOLES
	c.	6 HOLES
	d.	7 HOLES
	e.	8 HOLES
	f.	9 HOLES
	g.	10 HOLES
	h.	11 HOLES
	i.	12 HOLES
	j.	14 HOLES
	k.	16 HOLES
	l.	18 HOLES
114	95° DCS CONDYLAR BLADE PLATE	
	a.	5 HOLES - 50 MM
	b.	5 HOLES - 60 MM
	c.	5 HOLES - 70 MM
	d.	5 HOLES - 80 MM
	e.	7 HOLES - 50 MM
	f.	7 HOLES - 60 MM
	g.	7 HOLES - 70 MM
	h.	7 HOLES - 80 MM
	i.	9 HOLES - 50 MM
	j.	9 HOLES - 60 MM
	k.	9 HOLES - 70 MM

	l.	9 HOLES - 80 MM
	m.	12 HOLES - 50 MM
	n.	12 HOLES - 60 MM
	o.	12 HOLES - 70 MM
	p.	12 HOLES - 80 MM
115	130° LCP DHS PLATE LONG BARREL DC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES
116	135° LCP DHS PLATE LONG BARREL DC HOLES	
	a.	3 HOLES
	b.	4 HOLES
	c.	5 HOLES
	d.	6 HOLES
	e.	7 HOLES
	f.	8 HOLES
	g.	9 HOLES
	h.	10 HOLES
	i.	12 HOLES

GROUP - C : BONE SCREWS - LCP & DCP

Sl. No.	Name of articles Specification
117	2.7 MM CORTICAL SCREW- SELF TAPPING
	a. 8 MM
	b. 10 MM
	c. 12 MM
	d. 14 MM
	e. 16 MM
	f. 18 MM
	g. 20 MM
	h. 22 MM
	i. 24 MM
	j. 26 MM
	k. 28 MM
	l. 30 MM
	m. 32 MM
	n. 34 MM
	o. 36 MM
	p. 38 MM
	q. 40 MM
118	3.5 MM CORTICAL SCREW- 20 TPI- SELF
	a. 10 MM
	b. 12 MM
	c. 14 MM
	d. 16 MM
	e. 18 MM
	f. 20 MM
	g. 22 MM
	h. 24 MM
	i. 26 MM
	j. 28 MM
	k. 30 MM
	l. 32 MM
	m. 34 MM
	n. 36 MM
	o. 38 MM
	p. 40 MM
	q. 42 MM
	r. 44 MM
	s. 46 MM
	t. 48 MM
	u. 50 MM
	v. 52 MM
	w. 54 MM
	x. 56 MM
	y. 58 MM
	z. 60 MM
	aa. 62 MM
	bb. 64 MM

	cc.	66 MM
	dd.	68 MM
	ee.	70 MM
119	4.5 MM CORTICAL SCREW- 14 TPI- SELF TAPPING	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	32 MM
	m.	34 MM
	n.	36 MM
	o.	38 MM
	p.	40 MM
	q.	42 MM
	r.	44 MM
	s.	46 MM
	t.	48 MM
	u.	50 MM
	v.	52 MM
	w.	54 MM
	x.	56 MM
	y.	58 MM
	z.	60 MM
	aa.	62 MM
	bb.	64 MM
	cc.	66 MM
	dd.	68 MM
	ee.	70 MM
120	4.5 MM MALLEOLAR SCREW- SELF TAPPING	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	55 MM
	h.	60 MM
	i.	65 MM
	j.	70 MM
	k.	75 MM
	l.	80 MM
	m.	85 MM
121	3.5 MM CANCELLOUS SCREW- PARTIAL THREADED	
	a.	10 MM
	b.	12 MM

	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM
	o.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
122	3.5 MM CANCELLOUS SCREW- FULL THREADED	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM
	o.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
123	4.0 MM CANCELLOUS SCREW- PARTIAL THREADED	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM

	o.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
124	4.0 MM CANCELLOUS SCREW- FULL THREADED	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM
	Oo.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
125	6.5 MM CANCELLOUS SCREW- 16MM THREADED	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	55 MM
	h.	60 MM
	i.	65 MM
	j.	70 MM
	k.	75 MM
	l.	80 MM
	m.	85 MM
	n.	90 MM
	o.	95 MM
	p.	100 MM
	q.	105 MM
	r.	110 MM
126	6.5 MM CANCELLOUS SCREW- 32MM THREADED	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM

	h.	75 MM
	i.	80 MM
	j.	85 MM
	k.	90 MM
	l.	95 MM
	m.	100 MM
	n.	105 MM
	o.	110 MM
127	6.5 MM CANCELLOUS SCREW- FULLY THREADED	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	55 MM
	h.	60 MM
	i.	65 MM
	j.	70 MM
	k.	75 MM
	l.	80 MM
	m.	85 MM
	n.	90 MM
	o.	95 MM
	p.	100 MM
	q.	105 MM
	r.	110 MM
128	4.0 MM CANNULATED CANCELLOUS SCREW PARTIALLY THREADED	
	a.	10 MM
	b.	15 MM
	c.	20 MM
	d.	25 MM
	e.	30 MM
	f.	35 MM
	g.	40 MM
	h.	45 MM
	i.	50 MM
	j.	55 MM
	k.	60 MM
	l.	65 MM
	m.	70 MM
129	4.0 MM CANNULATED CANCELLOUS SCREW FULLY THREADED	
	a.	10 MM
	b.	15 MM
	c.	20 MM
	d.	25 MM
	e.	30 MM
	f.	35 MM
	g.	40 MM
	h.	45 MM
	i.	50 MM
	j.	55 MM

	k.	60 MM
	l.	65 MM
	m.	70 MM
130	6.5 MM LARGE CANNULATED CANCELLOUS SCREW 16 MM THREADED	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	55 MM
	h.	60 MM
	i.	65 MM
	j.	70 MM
	k.	75 MM
	l.	80 MM
	m.	85 MM
	n.	90 MM
	o.	95 MM
	p.	100 MM
	q.	105 MM
	r.	110 MM
131	6.5 MM LARGE CANNULATED CANCELLOUS SCREW-32 MM THREADED	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM
	h.	75 MM
	i.	80 MM
	j.	85 MM
	k.	90 MM
	l.	95 MM
	m.	100 MM
	n.	105 MM
	o.	110 MM
132	6.5 MM LARGE CANNULATED CANCELLOUS SCREW-FULLY THREADED	
	a.	30 MM
	b.	35 MM
	c.	40 MM
	d.	45 MM
	e.	50 MM
	f.	55 MM
	g.	60 MM
	h.	65 MM
	i.	70 MM
	j.	75 MM
	k.	80 MM
	l.	85 MM
	m.	90 MM
	n.	95 MM
	o.	100 MM
	p.	105 MM

	q.	110 MM
	r.	115 MM
133	12.5 MM DHS SCREW WITH COMPRESSION SCREW	
	a.	50 MM
	b.	55 MM
	c.	60 MM
	d.	65 MM
	e.	70 MM
	f.	75 MM
	g.	80 MM
	h.	85 MM
	i.	90 MM
	j.	95 MM
	k.	100 MM
	l.	105 MM
	m.	110 MM
134	3.5 MM HERBERT SCREW (HEAD LESS)	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
135	WASHERS	
	a.	13.0/6.5 MM Spiked Washer for 6.5MM Cancellous Screw
	b.	13.0/6.5 MM Washer for 6.5MM Cancellous Screw
	c.	7.0/4.0 MM Washer for 4.0 MM Cancellous Screw
	d.	7.0/4.0 MM Spiked Washer for 4.0 MM Cancellous Screw
	e.	10.0/4.5 MM Washer for Malleor Screw
136	2.4 MM LCP SCREW	
	a.	8 MM
	b.	10 MM
	c.	12 MM
	d.	14 MM
	e.	16 MM
	f.	18 MM
	g.	20 MM
	h.	22 MM
	i.	24 MM
	j.	26 MM
	k.	28 MM
	l.	30 MM
	m.	32 MM
	n.	34 MM
	o.	36 MM
	p.	38 MM
	q.	40 MM

137	2.7 MM LCP SCREW	
	a.	8 MM
	b.	10 MM
	c.	12 MM
	d.	14 MM
	e.	16 MM
	f.	18 MM
	g.	20 MM
	h.	22 MM
	i.	24 MM
	j.	26 MM
	k.	28 MM
	l.	30 MM
	m.	32 MM
	n.	34 MM
	o.	36 MM
	p.	38 MM
	q.	40 MM
138	3.5 MM LCP SCREW	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	32 MM
	m.	34 MM
	n.	36 MM
	o.	38 MM
	p.	40 MM
	q.	42 MM
	r.	44 MM
	s.	46 MM
	t.	48 MM
	u.	50 MM
	v.	52 MM
	w.	54 MM
	x.	56 MM
	y.	58 MM
	z.	60 MM
	aa.	65 MM
	bb.	70 MM
139	5.0 MM LCP SCREW	
	a.	14 MM
	b.	16 MM
	c.	18 MM

	d.	20 MM
	e.	22 MM
	f.	24 MM
	g.	26 MM
	h.	28 MM
	i.	30 MM
	j.	32 MM
	k.	34 MM
	l.	36 MM
	m.	38 MM
	n.	40 MM
	o.	42 MM
	p.	44 MM
	q.	46 MM
	r.	48 MM
	s.	50 MM
	t.	52 MM
	u.	54 MM
	v.	56 MM
	w.	58 MM
	x.	60 MM
	y.	65 MM
	z.	70 MM
	aa.	75 MM
	bb.	80 MM
	cc.	85 MM
	dd.	90 MM
140	4.0 MM LCP CANCELLOUS SCREW PARTIALLY THREADED	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM
	o.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
141	4.0 MM LCP CANCELLOUS SCREW FULLY THREADED	
	a.	10 MM
	b.	12 MM
	c.	14 MM

	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
	l.	35 MM
	m.	40 MM
	n.	45 MM
	o.	50 MM
	p.	55 MM
	q.	60 MM
	r.	65 MM
	s.	70 MM
142	5.0 MM LCP CANCELLOUS SCREW 32 MM THREADED	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM
	h.	75 MM
	i.	80 MM
	j.	85 MM
	k.	90 MM
143	5.0 MM LCP CANCELLOUS SCREW FULLY THREADED	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	60 MM
	h.	65 MM
	i.	70 MM
	j.	75 MM
	k.	80 MM
	l.	85 MM
	m.	90 MM
144	6.5 MM LCP CANCELLOUS SCREW 16 MM THREADED	
	a.	25 MM
	b.	30 MM
	c.	35 MM
	d.	40 MM
	e.	45 MM
	f.	50 MM
	g.	60 MM
	h.	65 MM
	i.	70 MM

	j.	75 MM
	k.	80 MM
	l.	85 MM
	m.	90 MM
	n.	95 MM
	o.	100 MM
145	6.5 MM LCP CANCELLOUS SCREW 32 MM THREADED	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	60 MM
	e.	65 MM
	f.	70 MM
	g.	75 MM
	h.	80 MM
	i.	85 MM
	j.	90 MM

GROUP - D : NAILS-INTRAMEDUALLY

Sl. No.	Name of articles	Specification	
146	Ø 6.5 MM HUMERUS NAIL- CANNULATED	a. 180 MM	
		b. 200 MM	
		c. 220 MM	
		d. 240 MM	
		e. 260 MM	
		f. 280 MM	
		g. 300 MM	
		147	Ø 7.0 MM HUMERUS NAIL- CANNULATED
b. 200 MM			
c. 220 MM			
d. 240 MM			
e. 260 MM			
f. 280 MM			
g. 300 MM			
148	Ø 7.5 MM HUMERUS NAIL- CANNULATED		
		b. 200 MM	
		c. 220 MM	
		d. 240 MM	
		e. 260 MM	
		f. 280 MM	
		g. 300 MM	
		149	Ø 8.0 MM TIBIA NAIL- CANNULATED
b. 300 MM			
c. 320 MM			
d. 340 MM			
e. 360 MM			
f. 380 MM			
150	Ø 9.0 MM TIBIA NAIL- CANNULATED		
		b. 300 MM	
		c. 320 MM	
		d. 340 MM	
		e. 360 MM	
		f. 380 MM	
		151	Ø 10.0 MM TIBIA NAIL- CANNULATED
b. 300 MM			
c. 320 MM			
d. 340 MM			
e. 360 MM			
f. 380 MM			
152	Ø 11.0 MM TIBIA NAIL- CANNULATED		
		b. 300 MM	
		c. 320 MM	

	d	340 MM
	e	360 MM
	f.	380 MM
153	Ø 8.0 MM EXPERT TIBIA NAIL- CANNULATED	
	a.	280 MM
	b.	300 MM
	c.	320 MM
	d	340 MM
	e	360 MM
	f.	380 MM
154	Ø 9.0 MM EXPERT TIBIA NAIL- CANNULATED	
	a.	280 MM
	b.	300 MM
	c.	320 MM
	d	340 MM
	e	360 MM
	f.	380 MM
155	Ø 10.0 MM EXPERT TIBIA NAIL- CANNULATED	
	a.	280 MM
	b.	300 MM
	c.	320 MM
	d	340 MM
	e	360 MM
	f.	380 MM
156	Ø 11.0 MM EXPERT TIBIA NAIL- CANNULATED	
	a.	280 MM
	b.	300 MM
	c.	320 MM
	d	340 MM
	e	360 MM
	f.	380 MM
157	Ø 9.0 MM FEMUR NAIL- CANNULATED	
	a.	320 MM
	b.	340 MM
	c.	360 MM
	d	380 MM
	e	400 MM
	f.	420 MM
	g.	440 MM
158	Ø 10.0 MM FEMUR NAIL- CANNULATED	
	a.	320 MM
	b.	340 MM
	c.	360 MM
	d	380 MM
	e	400 MM
	f.	420 MM
	g.	440 MM
159	Ø 11.0 MM FEMUR NAIL- CANNULATED	
	a.	320 MM
	b.	340 MM
	c.	360 MM
	d	380 MM
	e	400 MM

	f.	420 MM
	g.	440 MM
160	Ø 12.0 MM FEMUR NAIL- CANNULATED	
	a.	320 MM
	b.	340 MM
	c.	360 MM
	d.	380 MM
	e.	400 MM
	f.	420 MM
	g.	440 MM
161	130° SHORT PROXIMAL FEMORAL NAIL	
	a.	Ø 9.0 MM x 250 MM
	b.	Ø 10.0 MM x 250 MM
	c.	Ø 11.0 MM x 250 MM
	d.	Ø 12.0 MM x 250 MM
162	135° SHORT PROXIMAL FEMORAL NAIL	
	a.	Ø 9.0 MM x 250 MM
	b.	Ø 10.0 MM x 250 MM
	c.	Ø 11.0 MM x 250 MM
	d.	Ø 12.0 MM x 250 MM
163	130° TROCHANTERIC FEMUR NAIL	
	a.	Ø 9.0 MM x 250 MM
	b.	Ø 10.0 MM x 250 MM
	c.	Ø 11.0 MM x 250 MM
	d.	Ø 12.0 MM x 250 MM
164	135° TROCHANTERIC FEMUR NAIL	
	a.	Ø 9.0 MM x 180 MM
	b.	Ø 10.0 MM x 180 MM
	c.	Ø 11.0 MM x 180 MM
	d.	Ø 12.0 MM x 180 MM
165	130° - Ø 9.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
166	130° - Ø 10.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
167	130° - Ø 11.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
168	130° - Ø 9.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM

	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
169	130° - Ø 10.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
170	130° - Ø 11.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
171	135° - Ø 9.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
172	135° - Ø 10.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
173	135° - Ø 11.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
174	135° - Ø 12.0 MM LONG PROXIMAL FEMORAL NAIL- RIGHT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
175	135° - Ø 9.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM

	f.	440 MM
176	135° - ϕ 10.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
177	135° - ϕ 11.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
178	135° - ϕ 12.0 MM LONG PROXIMAL FEMORAL NAIL- LEFT	
	a.	340 MM
	b.	360 MM
	c.	380 MM
	d.	400 MM
	e.	420 MM
	f.	440 MM
179	ϕ 9.0 MM SUPRACODYLAR DISTAL FEMUR NAIL	
	a.	150 MM
	b.	200 MM
	c.	250 MM
	d.	300 MM
180	ϕ 10.0 MM SUPRACODYLAR DISTAL FEMUR NAIL	
	a.	150 MM
	b.	200 MM
	c.	250 MM
	d.	300 MM
181	ϕ 11.0 MM SUPRACODYLAR DISTAL FEMUR NAIL	
	a.	150 MM
	b.	200 MM
	c.	250 MM
	d.	300 MM
182	ϕ 12.0 MM SUPRACODYLAR DISTAL FEMUR NAIL	
	a.	150 MM
	b.	200 MM
	c.	250 MM
	d.	300 MM
183	ϕ 2.0 MM ENDER'S NAIL	
	a.	200 MM
	b.	210 MM
	c.	220 MM
	d.	230 MM
	e.	240 MM
	f.	250 MM
	g.	260 MM
	h.	270 MM
	i.	280 MM
	j.	290 MM

	k.	300 MM
184	Ø 2.5 MM ENDER'S NAIL	
	a.	200 MM
	b.	210 MM
	c.	220 MM
	d.	230 MM
	e.	240 MM
	f.	250 MM
	g.	260 MM
	h.	270 MM
	i.	280 MM
	j.	290 MM
	k.	300 MM
185	Ø 3.0 MM ENDER'S NAIL	
	a.	Ø 3.0 MM X 210 MM
	b.	Ø 3.0 MM X 220 MM
	c.	Ø 3.0 MM X 230 MM
	d.	Ø 3.0 MM X 240 MM
	e.	Ø 3.0 MM X 250 MM
	f.	Ø 3.0 MM X 260 MM
	g.	Ø 3.0 MM X 270 MM
	h.	Ø 3.0 MM X 280 MM
	i.	Ø 3.0 MM X 290 MM
	j.	Ø 3.0 MM X 300 MM
186	Ø 3.5 MM ENDER'S NAIL	
	a.	Ø 3.5 MM X 210 MM
	b.	Ø 3.5 MM X 220 MM
	c.	Ø 3.5 MM X 230 MM
	d.	Ø 3.5 MM X 240 MM
	e.	Ø 3.5 MM X 250 MM
	f.	Ø 3.5 MM X 260 MM
	g.	Ø 3.5 MM X 270 MM
	h.	Ø 3.5 MM X 280 MM
	i.	Ø 3.5 MM X 290 MM
	j.	Ø 3.5 MM X 300 MM
187	Ø 4.0MM ENDER'S NAIL	
	a.	Ø 4.0 MM X 210 MM
	b.	Ø 4.0 MM X 220 MM
	c.	Ø 4.0 MM X 230 MM
	d.	Ø 4.0 MM X 240 MM
	e.	Ø 4.0 MM X 250 MM
	f.	Ø 4.0 MM X 260 MM
	g.	Ø 4.0 MM X 270 MM
	h.	Ø 4.0 MM X 280 MM
	i.	Ø 4.0 MM X 290 MM
	j.	Ø 4.0 MM X 300 MM
	k.	Ø 4.0 MM X 310 MM
	l.	Ø 4.0 MM X 320 MM
	m.	Ø 4.0 MM X 330 MM
	n.	Ø 4.0 MM X 340 MM
	o.	Ø 4.0 MM X 350 MM
	p.	Ø 4.0 MM X 360 MM
	q.	Ø 4.0 MM X 370 MM

	r.	∅ 4.0 MM X 380 MM
	s.	∅ 4.0 MM X 390 MM
	t.	∅ 4.0 MM X 400 MM
188	∅ 4.5 MM ENDER'S NAIL	
	a.	∅ 4.5 MM X 210 MM
	b.	∅ 4.5 MM X 220 MM
	c.	∅ 4.5 MM X 230 MM
	d.	∅ 4.5 MM X 240 MM
	e.	∅ 4.5 MM X 250 MM
	f.	∅ 4.5 MM X 260 MM
	g.	∅ 4.5 MM X 270 MM
	h.	∅ 4.5 MM X 280 MM
	i.	∅ 4.5 MM X 290 MM
	j.	∅ 4.5 MM X 300 MM
	k.	∅ 4.5 MM X 310 MM
	l.	∅ 4.5 MM X 320 MM
	m.	∅ 4.5 MM X 330 MM
	n.	∅ 4.5 MM X 340 MM
	o.	∅ 4.5 MM X 350 MM
	p.	∅ 4.5 MM X 360 MM
	q.	∅ 4.5 MM X 370 MM
	r.	∅ 4.5 MM X 380 MM
	s.	∅ 4.5 MM X 390 MM
	t.	∅ 4.5 MM X 400 MM
189	TITANIUM ELASTIC NAIL- TENS	
	a.	2.0 MM X 440 MM
	b.	2.5 MM X 440 MM
	c.	3.0 MM X 440 MM
	d.	3.5 MM X 440 MM
	e.	4.0 MM X 440 MM
	f.	4.5 MM X 440 MM
190	∅ 7.0 MM K-NAIL	
	a.	∅ 7.0 MM X 320 MM
	b.	∅ 7.0 MM X 340 MM
	c.	∅ 7.0 MM X 360 MM
	d.	∅ 7.0 MM X 380 MM
	e.	∅ 7.0 MM X 400 MM
	f.	∅ 7.0 MM X 420 MM
	g.	∅ 7.0 MM X 440 MM
191	∅ 8.0 MM K-NAIL	
	a.	∅ 8.0 MM X 320 MM
	b.	∅ 8.0 MM X 340 MM
	c.	∅ 8.0 MM X 360 MM
	d.	∅ 8.0 MM X 380 MM
	e.	∅ 8.0 MM X 400 MM
	f.	∅ 8.0 MM X 420 MM
	g.	∅ 8.0 MM X 440 MM
192	∅ 9.0 MM K-NAIL	
	a.	∅ 9.0 MM X 320 MM
	b.	∅ 9.0 MM X 340 MM
	c.	∅ 9.0 MM X 360 MM
	d.	∅ 9.0 MM X 380 MM
	e.	∅ 9.0 MM X 400 MM

	f.	∅ 9.0 MM X 420 MM
	g.	∅ 9.0 MM X 440 MM
193	∅ 10.0 MM K-NAIL	
	a.	∅ 10.0 MM X 320 MM
	b.	∅ 10.0 MM X 340 MM
	c.	∅ 10.0 MM X 360 MM
	d.	∅ 10.0 MM X 380 MM
	e.	∅ 10.0 MM X 400 MM
	f.	∅ 10.0 MM X 420 MM
	g.	∅ 10.0 MM X 440 MM
194	∅ 11.0 MM K-NAIL	
	a.	∅ 11.0 MM X 320 MM
	b.	∅ 11.0 MM X 340 MM
	c.	∅ 11.0 MM X 360 MM
	d.	∅ 11.0 MM X 380 MM
	e.	∅ 11.0 MM X 400 MM
	f.	∅ 11.0 MM X 420 MM
	g.	∅ 11.0 MM X 440 MM
195	∅ 12.0 MM K-NAIL	
	a.	∅ 12.0 MM X 320 MM
	b.	∅ 12.0 MM X 340 MM
	c.	∅ 12.0 MM X 360 MM
	d.	∅ 12.0 MM X 380 MM
	e.	∅ 12.0 MM X 400 MM
	f.	∅ 12.0 MM X 420 MM
	g.	∅ 12.0 MM X 440 MM
196	END CAP- TIBIA /FEMUR/ PFN/SUPRA	
	a.	0.0 MM
	b.	5.0 MM
	c.	10.0 MM
	d.	15.0 MM
197	∅ 3.0 MM INTERLOCKING BOLT, FOR HUMERUS NAIL	
	a.	14 MM
	b.	16 MM
	c.	18 MM
	d.	20 MM
	e.	22 MM
	f.	24 MM
	g.	26 MM
	h.	28 MM
	i.	30 MM
	j.	32 MM
	k.	34 MM
	l.	36 MM
	m.	38 MM
	n.	40 MM
198	3.9 MM INTERLOCKING BOLT	
	a.	24 MM
	b.	26 MM
	c.	28 MM
	d.	30 MM
	e.	32 MM
	f.	34 MM

	g.	36 MM
	h.	38 MM
	i.	40 MM
	j.	42 MM
	k.	44 MM
	l.	46 MM
	m.	48 MM
	n.	50 MM
	o.	52 MM
	P.	54 MM
	q.	56 MM
	r.	58 MM
	s.	60 MM
199	4.9 MM INTERLOCKING BOLT	
	a.	24 MM
	b.	26 MM
	c.	28 MM
	d.	30 MM
	e.	32 MM
	f.	34 MM
	g.	36 MM
	h.	38 MM
	i.	40 MM
	j.	42 MM
	k.	44 MM
	l.	46 MM
	m.	48 MM
	n.	50 MM
	o.	52 MM
	P.	54 MM
	q.	56 MM
	r.	58 MM
	s.	60 MM
	t.	62 MM
	u.	64 MM
	v.	66 MM
	w.	68 MM
	x.	70 MM
	Y.	72 MM
	z.	74 MM
	aa.	76 MM
	bb.	78 MM
	cc.	80 MM
200	6.4 MM HIP PIN (FOR PFN NAIL)	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM
	h.	75 MM
	i.	80 MM

	j.	85 MM
	k.	90 MM
	l.	95 MM
	m.	100 MM
	n.	105 MM
	o.	110 MM
201	MM FEMORAL NECK SCREW (FOR PFN NAIL)	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM
	h.	75 MM
	i.	80 MM
	j.	85 MM
	k.	90 MM
	l.	95 MM
	m.	100 MM
	n.	105 MM
	o.	110 MM
202	6.4 MM SOLID INTERLOCKING BOLT (FOR SUPRACONDYLAR)	
	a.	40 MM
	b.	45 MM
	c.	50 MM
	d.	55 MM
	e.	60 MM
	f.	65 MM
	g.	70 MM
	h.	75 MM
	i.	80 MM
	j.	85 MM
	k.	90 MM
	l.	95 MM
	m.	100 MM
	n.	105 MM
	o.	110 MM
203	4.0 MM INTERLOCKING BOLT PARTIAL THREAD (FOR HUMERUS NAIL)	
	a.	20 MM
	b.	25 MM
	c.	30 MM
	d.	35 MM
	e.	40 MM
	f.	45 MM
	g.	50 MM
204	Ø 2.0 MM SQUARE NAIL FOR ULNA	
	a.	Ø 2.0 MM X 200 MM
	b.	Ø 2.0 MM X 220 MM
	c.	Ø 2.0 MM X 240 MM
	d.	Ø 2.0 MM X 260 MM
	e.	Ø 2.0 MM X 280 MM
	f.	Ø 2.0 MM X 300 MM

205	Ø 2.5 MM SQUARE NAIL FOR ULNA	
	a.	Ø 2.5 MM X 200 MM
	b.	Ø 2.5 MM X 220 MM
	c.	Ø 2.5 MM X 240 MM
	d.	Ø 2.5 MM X 260 MM
	e.	Ø 2.5 MM X 280 MM
	f.	Ø 2.5 MM X 300 MM
206	Ø 3.0 MM SQUARE NAIL FOR ULNA	
	a.	Ø 3.0 MM X 200 MM
	b.	Ø 3.0 MM X 220 MM
	c.	Ø 3.0 MM X 240 MM
	d.	Ø 3.0 MM X 260 MM
	e.	Ø 3.0 MM X 280 MM
	f.	Ø 3.0 MM X 300 MM
207	Ø 3.5MM SQUARE NAIL FOR ULNA	
	a.	Ø 3.5MM X 200 MM
	b.	Ø 3.5 MM X 220 MM
	c.	Ø 3.5 MM X 240 MM
	d.	Ø 3.5 MM X 260 MM
	e.	Ø 3.5 MM X 280 MM
	f.	Ø 3.5 MM X 300 MM
208	Ø 2.0 MM SQUARE NAIL FOR RADIUS	
	a.	Ø 2.0 MM X 200 MM
	b.	Ø 2.0 MM X 220 MM
	c.	Ø 2.0 MM X 240 MM
	d.	Ø 2.0 MM X 260 MM
	e.	Ø 2.0 MM X 280 MM
	f.	Ø 2.0 MM X 300 MM
209	Ø 2.5 MM SQUARE NAIL FOR RADIUS	
	a.	Ø 2.5 MM X 200 MM
	b.	Ø 2.5 MM X 220 MM
	c.	Ø 2.5 MM X 240 MM
	d.	Ø 2.5 MM X 260 MM
	e.	Ø 2.5 MM X 280 MM
	f.	Ø 2.5 MM X 300 MM
210	Ø 3.0 MM SQUARE NAIL FOR RADIUS	
	a.	Ø 3.0 MM X 200 MM
	b.	Ø 3.0 MM X 220 MM
	c.	Ø 3.0 MM X 240 MM
	d.	Ø 3.0 MM X 260 MM
	e.	Ø 3.0 MM X 280 MM
	f.	Ø 3.0 MM X 300 MM
211	Ø 3.5 MM SQUARE NAIL FOR RADIUS	
	a.	Ø 3.5MM X 200 MM
	b.	Ø 3.5 MM X 220 MM
	c.	Ø 3.5 MM X 240 MM
	d.	Ø 3.5 MM X 260 MM
	e.	Ø 3.5 MM X 280 MM
	f.	Ø 3.5 MM X 300 MM
212	Ø 2.0 MM RUSH NAIL	
	a.	Ø 2.0 MM X 200 MM
	b.	Ø 2.0 MM X 220 MM
	c.	Ø 2.0 MM X 240 MM

	d.	∅ 2.0 MM X 260 MM
	e.	∅ 2.0 MM X 280 MM
	f.	∅ 2.0 MM X 300 MM
213	∅ 2.5 MM RUSH NAIL	
	a.	∅ 2.5 MM X 200 MM
	b.	∅ 2.5 MM X 220 MM
	c.	∅ 2.5 MM X 240 MM
	d.	∅ 2.5 MM X 260 MM
	e.	∅ 2.5 MM X 280 MM
	f.	∅ 2.5 MM X 300 MM
214	∅ 3.0 MM RUSH NAIL	
	a.	∅ 3.0 MM X 200 MM
	b.	∅ 3.0 MM X 220 MM
	c.	∅ 3.0 MM X 240 MM
	d.	∅ 3.0 MM X 260 MM
	e.	∅ 3.0 MM X 280 MM
	f.	∅ 3.0 MM X 300 MM
215	∅ 3.5 MM RUSH NAIL	
	a.	∅ 3.5MM X 200 MM
	b.	∅ 3.5 MM X 220 MM
	c.	∅ 3.5 MM X 240 MM
	d.	∅ 3.5 MM X 260 MM
	e.	∅ 3.5 MM X 280 MM
	f.	∅ 3.5 MM X 300 MM
216	∅ 4.0 MM RUSH NAIL	
	a.	∅ 4.0 MM X 200 MM
	b.	∅ 4.0 MM X 220 MM
	c.	∅ 4.0 MM X 240 MM
	d.	∅ 4.0 MM X 260 MM
	e.	∅ 4.0 MM X 280 MM
	f.	∅ 4.0 MM X 300 MM

GROUP - E : PELVIC IMPLANTS

Sl. No.	Name of articles Specification
217	3.5 MM PELVIC RECON PLATE LOW PROFILE STRAIGHT
	a. 2 HOLES
	b. 3 HOLES
	c. 4 HOLES
	d. 5 HOLES
	e. 6 HOLES
	f. 7 HOLES
	g. 8 HOLES
	h. 9 HOLES
	i. 10 HOLES
	j. 12 HOLES
	k. 14 HOLES
	l. 16 HOLES
	m. 18 HOLES
	n. 20 HOLES
218	3.5 MM PELVIC RECON PLATE 88° - CURVED
	a. 6 HOLES
	b. 8 HOLES
	c. 10 HOLES
	d. 12 HOLES
	e. 14 HOLES
	f. 16 HOLES
219	3.5 MM PELVIC RECON PLATE 108° - CURVED
	a. 6 HOLES
	b. 8 HOLES
	c. 10 HOLES
	d. 12 HOLES
	e. 14 HOLES
	f. 16 HOLES
220	3.5 MM LCP PELVIC RECON PLATE - STRAIGHT
	a. 2 HOLES
	b. 3 HOLES
	c. 4 HOLES
	d. 5 HOLES
	e. 6 HOLES
	f. 7 HOLES
	g. 8 HOLES
	h. 9 HOLES
	i. 10 HOLES
	j. 12 HOLES
	k. 14 HOLES
	l. 16 HOLES
	m. 18 HOLES
221	3.5 MM SPRING PLATE
	a. 1 HOLE - L- 19.5 MM
	b. 1 HOLE - L- 31.5 MM
	c. 1 HOLE - L- 43.5 MM
222	3.5 MM PELVIC J PLATE- RIGHT
	a. 10 HOLES
	b. 12 HOLES
	c. 14 HOLES
	d. 16 HOLES
223	3.5 MM PELVIC J PLATE- LEFT
	a. 10 HOLES
	b. 12 HOLES
	c. 14 HOLES
	d. 16 HOLES

GROUP - F : MAXILLOFACIAL IMPLANTS	
Sl. No.	Name of articles Specification
224	1.5 MM STRAIGHT PLATE WITH STEM/BAR/GAP-0.6 MM THICKNESS
	a. 2 H
	b. 4 H
	c. 6 H
225	2.0 MM STRAIGHT PLATE RECON WITH STEM/BAR/GAP- 1 MM THICKNESS
	a. 2 H
	b. 4 H
	c. 6 H
226	1.5 MM STRAIGHT PLATE CONTINUES RECON -0.6 MM THICKNESS
	a. 2 H
	b. 4 H
	c. 6 H
	d. 18 H
227	2.0 MM STRAIGHT PLATE CONTINUES RECON -1 MM THICKNESS
	a. 2 H
	b. 4 H
	c. 6 H
	d. 18 H
228	1.5 MM T-PLATE RECON- 0.6 MM THICKNES
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES
229	2.0 MM T-PLATE RECON- 1.0 MM THICKNES
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES
230	1.5 MM T-OBLIQUE PLATE RECON WITH GAP - 0.6 MM THICKNES
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
231	2.0 MM T-OBLIQUE PLATE RECON WITH GAP - 1.0 MM THICKNES
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
232	1.5 MM DOUBLE T- PLATE RECON - 0.6 MM THICKNES
	a. 8 H
233	2.0 MM DOUBLE T- PLATE RECON - 1.0 MM THICKNES
	a. 8 H
234	1.5 MM DOUBLE SQUARE PLATE RECON - 0.6 MM THICKNES
	a. 6 H
235	2.0MM DOUBLE SQUARE PLATE RECON - 1.0 MM THICKNES
	a. 6 H
236	1.5 MM DOUBLE Y-PLATE RECON WITH STEM/BAR/GAP-0.6 MM THICKNESS
	a. 6H
237	2.0 MM DOUBLE Y-PLATE RECON WITH STEM/BAR/GAP-1.0 MM THICKNESS
	a. 6H
238	1.5 MM L-PLATE RECON -0.6 MM THICKNESS-RIGHT SIDE
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES
239	1.5 MM L-PLATE RECON -0.6 MM THICKNESS-LEFT SIDE
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES

240	2.0 MM L-PLATE RECON -1.0 MM THICKNESS-RIGHT SIDE
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES
241	2.0 MM L-PLATE RECON -1.0 MM THICKNESS-LEFT SIDE
	a. 3 HEAD HOLES+ 2 SHAFT HOLES
	b. 3 HEAD HOLES+ 3 SHAFT HOLES
242	1.5 MM L-OBLIQUE PLATE RECON - 0.6 THICKNESS RIGHT SIDE- 120°
	a. 2 HEAD HOLES +3 SHAFT HOLES
243	1.5 MM L-OBLIQUE PLATE RECON - 0.6 THICKNESS LEFT SIDE- 120°
	a. 2 HEAD HOLES +3 SHAFT HOLES
244	2.0 MM L-OBLIQUE PLATE RECON - 1.0 THICKNESS RIGHT SIDE- 120°
	a. 2 HEAD HOLES +3 SHAFT HOLES
245	2.0 MM L-OBLIQUE PLATE RECON - 1.0 THICKNESS LEFT SIDE- 120°
	a. 2 HEAD HOLES +3 SHAFT HOLES
246	1.5 MM SQUARE PLATE RECON -0.6 MM THICKNESS
	a. 4 H
247	2.0 MM SQUARE PLATE RECON -1.0 MM THICKNESS
	a. 4 H
248	1.5 MM X- PLATE RECON-0.6MM THICKNESS
	a. 2 HEAD HOLES + 2 SHAFT HOLES
	b. 4 HEAD HOLES + 4 SHAFT HOLES
249	2.0 MM X- PLATE RECON-1.0 MM THICKNESS
	a. 2 HEAD HOLES + 2 SHAFT HOLES
	b. 4 HEAD HOLES + 4 SHAFT HOLES
250	1.5 MM Y-PLATE RECON
	a. SMALL
	b. BIG
251	2.0 MM Y-PLATE RECON
	a. SMALL
	b. BIG
252	1.5 MM ORBITAL PLATE RECON
	a. 4H (2+2)
	b. 6H (3+3)
	c. 7H (4+3)
253	2.0 MM ORBITAL PLATE RECON CONTINUES
	a. 8H
254	1.5 MM MAXILLOFACIAL SCREWS (SELF- TAPPING) HEAD CROSS SLOT
	a. 5 MM
	b. 6 MM
	c. 7 MM
	d. 8 MM
	e. 9 MM
	f. 10 MM
	g. 11 MM
	h. 12 MM
	i. 13 MM
	j. 14 MM
	k. 15 MM
	l. 16 MM

255	2.0 MM MAXILLOFACIAL SCREWS (SELF- TAPPING) HEAD CROSS SLOT	
	a.	5 MM
	b.	6 MM
	c.	7 MM
	d.	8 MM
	e.	9 MM
	f.	10 MM
	g.	11 MM
	h.	12 MM
	i.	13 MM
	j.	14 MM
	k.	15 MM
	l.	16 MM
	m.	17 MM
	n.	18 MM
	o.	19 MM
	p.	20 MM
	q.	21 MM
	r.	22 MM
	s.	23 MM
	t.	24 MM
	u.	25 MM
	v.	26 MM
	w.	27 MM
	x.	28 MM
	y.	29 MM
	z.	30 MM
	aa.	31 MM
	bb.	32 MM
	cc.	33 MM
	dd.	34 MM

GROUP - G : SPINAL IMPLANTS

Sl. No.	Name of articles Specification
256	4.5 MM MONOAXIAL SCREW
	a. 25 MM
	b. 30 MM
	c. 35 MM
	d. 40 MM
	e. 45 MM
	f. 50 MM
257	5.5 MM MONOAXIAL SCREW
	a. 25 MM
	b. 30 MM
	c. 35 MM
	d. 40 MM
	e. 45 MM
	f. 50 MM
258	6.5 MM MONOAXIAL SCREW
	a. 25 MM
	b. 30 MM
	c. 35 MM
	d. 40 MM
	e. 45 MM
	f. 50 MM
259	4.5 MM POLYAXIAL SCREW
	a. 25 MM
	b. 30 MM
	c. 35 MM
	d. 40 MM
	e. 45 MM
	f. 50 MM
260	5.5 MM POLYAXIAL SCREW
	a. 30 MM
	b. 35 MM
	c. 40 MM
	d. 45 MM
	e. 50 MM
261	6.5 MM POLYAXIAL SCREW
	a. 30 MM
	b. 35 MM
	c. 40 MM
	d. 45 MM
	e. 50 MM
262	5.5 MM REDUCTION POLYAXIAL SCREW
	a. 30 MM
	b. 35 MM
	c. 40 MM
	d. 45 MM
	e. 50 MM
263	6.5 MM REDUCTION POLYAXIAL SCREW
	a. 30 MM
	b. 35 MM
	c. 40 MM
	d. 45 MM

	e.	50 MM
264	3.5 MM LATERAL MASS SCREW (POSTERIOR CRVICAL POLY)	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
265	4.5 MM LATERAL MASS SCREW (POSTERIOR CERVICAL POLY)	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
	g.	22 MM
	h.	24 MM
	i.	26 MM
	j.	28 MM
	k.	30 MM
266	CERVICAL PLATE	
	a.	22.5 MM
	b.	25.0 MM
	c.	27.5 MM
	d.	30.0 MM
	e.	32.5 MM
	f.	35.0 MM
	g.	37.5 MM
	h.	40.0 MM
	i.	42.5 MM
	j.	45.0 MM
	k.	47.5 MM
	l.	50.0 MM
	m.	55.0 MM
	n.	60.0 MM
	o.	65.0 MM
	p.	70.0 MM
267	3.5 MM CERVICAL PLATE	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
268	4.0 MM CERVICAL PLATE	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM

	e.	18 MM
	f.	20 MM
269	CERVICAL PLATE WITH INBUILT CAGE	
	a.	5.0 MM
	b.	6.0 MM
	c.	7.0 MM
	d.	8.0 MM
270	3.5 MM CERVICAL PLATE WITH INBUILT CAGE SCREW	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
271	3.8MM CERVICAL PLATE WITH INBUILT CAGE SCREW	
	a.	10 MM
	b.	12 MM
	c.	14 MM
	d.	16 MM
	e.	18 MM
	f.	20 MM
272	3.5 MM SPINAL ROD FOR LATERAL MASS	
	a.	40 MM
	b.	50 MM
	c.	60 MM
	d.	70 MM
	e.	80 MM
	f.	90 MM
	g.	100 MM
	h.	110 MM
	i.	120 MM
	j.	130 MM
	k.	140 MM
	l.	150 MM
	m.	160 MM
	n.	170 MM
	o.	180 MM
	p.	190 MM
	q.	200 MM
	r.	250 MM
273	5.5 MM SPINAL ROD FOR DORSOLUMBER	
	a.	40 MM
	b.	50 MM
	c.	60 MM
	d.	70 MM
	e.	80 MM
	f.	90 MM
	g.	100 MM
	h.	110 MM
	i.	120 MM
	j.	130 MM
	k.	140 MM
	l.	150 MM
	m.	160 MM

	n.	170 MM
	o.	180 MM
	p.	190 MM
	q.	200 MM
	r.	210MM
	s.	220 MM
	t.	230 MM
	u.	240 MM
	v.	250 MM
	w.	260 MM
	x.	270 MM
	y.	280 MM
	z.	290 MM
	aa.	300 MM
	bb.	350 MM
	cc.	400 MM
	dd.	500 MM
274	10 ϕ MM ECO CAGE	
	a.	10 X 10 MM
	b.	10 X15 MM
	c.	10 X 20 MM
	d.	10 X 25 MM
	e.	10X 30 MM
	f.	10 X 35 MM
	g.	10 X 40 MM
	h.	10 X 45 MM
	i.	10 X 50 MM
275	12 MM ϕ ECO CAGE	
	a.	12 X 10 MM
	b.	12 X15 MM
	c.	12 X 20 MM
	d.	12 X 25 MM
	e.	12 X 30 MM
	f.	12 X 35 MM
	g.	12 X 40 MM
	h.	12 X 45 MM
	i.	12 X 50 MM
276	14 MM ϕ ECO CAGE	
	a.	14 MM X 10 MM
	b.	14 MM X15 MM
	c.	14 MM X 20 MM
	d.	14 MM X 25 MM
	e.	14 MM X 30 MM
	f.	14 MM X 35 MM
	g.	14 MM X 40 MM
	h.	14 MMX 45 MM
	i.	14 MMX 50 MM
277	16 MM ϕ ECO CAGE	
	a.	16 MM X 10 MM
	b.	16 MM X15 MM
	c.	16 MM X 20 MM
	d.	16 MM X 25 MM
	e.	16 MM X 30 MM
	f.	16 MM X 35 MM

	g.	16 MM X 40 MM
	h.	16 MM X 45 MM
	i.	16 MM X 50 MM
278	18 MM Ø ECO CAGE	
	a.	18 MM X 10 MM
	b.	18 MM X 15 MM
	c.	18 MM X 20 MM
	d.	18 MM X 25 MM
	e.	18 MM X 30 MM
	f.	18 MM X 35 MM
	g.	18 MM X 40 MM
	h.	18 MM X 45 MM
	i.	18 MM X 50 MM
279	12 MM Ø EXPANDABLE CAGE	
	a.	12 MM, 20X25
	b.	12 MM, 25X35
	c.	12 MM, 35X55
	d.	12 MM, 55X77
280	14 MM Ø EXPANDABLE CAGE	
	a.	14 MM, 20X25
	b.	14 MM, 25X35
	c.	14 MM, 35X55
	d.	14 MM, 55X77
281	16 MM Ø EXPANDABLE CAGE	
	a.	16 MM, 20X25
	b.	16 MM, 25X35
	c.	16 MM, 35X55
	d.	16 MM, 55X77
282	18 MM Ø EXPANDABLE CAGE	
	a.	18 MM, 20X25
	b.	18 MM, 25X35
	c.	18 MM, 35X55
	d.	18 MM, 55X77
283	4° HEIGHT- TLIF CAGE	
	a.	4° - 7 MM X 25 MM
	b.	4° - 8 MM X 25 MM
	c.	4° - 9 MM X 25 MM
	d.	4° - 10 MM X 25 MM
	e.	4° - 11 MM X 25 MM
284	8° HEIGHT- TLIF CAGE	
	a.	8° - 7 MM X 25 MM
	b.	8° - 8 MM X 25 MM
	c.	8° - 9 MM X 25 MM
	d.	8° - 10 MM X 25 MM
	e.	8° - 11 MM X 25 MM
285	11° HEIGHT- TLIF CAGE	
	a.	11° - 7 MM X 25 MM
	b.	11° - 8 MM X 25 MM
	c.	11° - 9 MM X 25 MM
	d.	11° - 10 MM X 25 MM
	e.	11° - 11 MM X 25 MM
286	0° - PLIF CAGE	
	a.	0° - 7 MM DIA
	b.	0° - 8 MM DIA

	c.	0° - 9 MM DIA
	d.	0° -10 MM DIA
	e.	0°- 11 MM DIA
	f.	0°- 12 MM DIA
	g.	0° - 13 MM DIA
	h.	0°- 14 MM DIA
287		4° - PLIF CAGE
	a.	4° - 7 MM DIA
	b.	4° - 8 MM DIA
	c.	4° - 9 MM DIA
	d.	4° -10 MM DIA
	e.	4°- 11 MM DIA
	f.	4°- 12 MM DIA
	g.	4° - 13 MM DIA
	h.	4°- 14 MM DIA
288		ROD TO ROD CLAMP
	a.	ROD TO ROD CLAMP- AXIAL
	b.	ROD TO ROD CLAMP- PARALLEL
289		CERVICAL PLATE STABLISATION P[IN
	a.	CERVICAL PLATE STABLISATION PIN
290		TRANSVERS CONNECT OR ø 5.5 MM
	a.	TRANSVERS CONNECTOR 5.5 MM
291		CERVICAL SPINE OFF SET
	a.	CERVICAL SPINE OFF SET
292		CERVICAL ROD CONNECTOR
	a.	CERVICAL ROD CONNECTOR
293		HALF PIN 5.0 MM
	a.	150 MM

GROUP - H : PROSTHESIS

Sl. No.	Name of articles	Specification
294	BIPOLAR PROTHESIS FENESTRATED- NEW TYPE- STERLISED	
	a.	37 MM
	b.	39 MM
	c.	41 MM
	d.	43 MM
	e.	45 MM
	f.	47 MM
	g.	49 MM
	h.	51 MM
	i.	53 MM
	j.	55 MM
295	BIPOLAR PROTHESIS - NON FENESTRATED- NEW TYPE- STERLISED	
	a.	37 MM
	b.	39 MM
	c.	41 MM
	d.	43 MM
	e.	45 MM
	f.	47 MM
	g.	49 MM
	h.	51 MM
	i.	53 MM
	j.	55 MM
296	A.M. HIP PROSTHESIS STERLISED	
	a.	37 MM
	b.	38 MM
	c.	39 MM
	d.	40 MM
	e.	41 MM
	f.	42 MM
	g.	43 MM
	h.	44 MM
	i.	45 MM
	j.	46 MM
	k.	47 MM
	l.	48 MM
	m.	49 MM
	n.	50 MM
	o.	51 MM
	p.	52 MM
	q.	53 MM
	r.	54 MM
	s.	55 MM
297	A.M. HIP PROSTHESIS - NON- STERLISED	
	a.	37 MM
	b.	38 MM
	c.	39 MM
	d.	40 MM

	e.	41 MM
	f.	42 MM
5	g.	43 MM
5	h.	44 MM
	i.	45 MM
	j.	46 MM
	k.	47 MM
	l.	48 MM
	m.	49 MM
	n.	50 MM
	o.	51 MM
	p.	52 MM
	q.	53 MM
	r.	54 MM
	s.	55 MM
298	MODULAR BIPOLAR CUP	
	a.	37 MM- SMALL
	b.	37 MM- MEDIUM
	c.	37 MM- LARGE
	d.	39 MM- SMALL
	e.	39 MM- MEDIUM
	f.	39 MM- LARGE
	g.	41 MM- SMALL
	h.	41 MM- MEDIUM
	i.	41 MM- LARGE
	j.	43 MM- SMALL
	k.	43 MM- MEDIUM
	l.	43 MM- LARGE
	m.	45 MM- SMALL
	n.	45 MM- MEDIUM
	o.	45 MM- LARGE
	p.	47 MM- SMALL
	q.	47 MM- MEDIUM
	r.	47 MM- LARGE
	s.	49 MM- SMALL
	t.	49 MM- MEDIUM
	u.	49 MM- LARGE
	v.	51 MM- SMALL
	w.	51 MM- MEDIUM
	x.	51 MM- LARGE
	y.	53 MM- SMALL
	z.	53 MM- MEDIUM
	aa.	53 MM- LARGE
	bb.	54 MM- SMALL
	cc.	54 MM- MEDIUM
	dd.	54 MM- LARGE
	ee.	55 MM- SMALL
	ff.	55 MM- MEDIUM
	gg.	55 MM- LARGE
299	MODULAR BIPOLAR STEM	
	a.	SMALL

	b.	MEDIUM
	c.	LARGE
300	THOMPSON HIP PROSTHESIS STERILISED	
	a.	37 MM
	b.	38 MM
	c.	39 MM
	d.	40 MM
	e.	41 MM
	f.	42 MM
	g.	43 MM
	h.	44 MM
	i.	45 MM
	j.	46 MM
	k.	47 MM
	l.	48 MM
	m.	49 MM
	n.	50 MM
	o.	51 MM
	p.	52 MM
	q.	53 MM
	r.	54 MM
	s.	55 MM
301	THOMPSON HIP PROSTHESIS NON STERILISED	
	a.	37 MM
	b.	38 MM
	c.	39 MM
	d.	40 MM
	e.	41 MM
	f.	42 MM
	g.	43 MM
	h.	44 MM
	i.	45 MM
	j.	46 MM
	k.	47 MM
	l.	48 MM
	m.	49 MM
	n.	50 MM
	o.	51 MM
	p.	52 MM
	q.	53 MM
	r.	54 MM
	s.	55 MM
302	ACL SCREW ϕ 7.0 MM	
	a.	20
	b.	25
	c.	30
	d.	35
	e.	40
303	ACL SCREW ϕ 8.0 MM	
	a.	20
	b.	25

	c.	30
	d.	35
	e.	40
30	ACL SCREW ϕ 9.0 MM	
	a.	20
	b.	25
	c.	30
	d.	35
	e.	40
305	ACL SCREW ϕ 10.0 MM	
	a.	20
	b.	25
	c.	30
	d.	35
	e.	40
306	ACL	
	a.	ACL ENDO BUTTON
	b.	ACL DISC WASHER

GROUP - I : EXTERNAL FIXATORS

Sl. No.	Name of articles	Specification
307	RAIL FOR RAIL FIXATOR	
	a.	240 MM- LONG
	b.	300 MM- LONG
	c.	400 MM-LONG
308	DYNAMIC EXTERNAL FIXATOR	
	a.	DYNAMIC EXTERNAL FIXATOR- SMALL
	b.	DYNAMIC EXTERNAL FIXATOR - MEDIUM
	c.	DYNAMIC EXTERNAL FIXATOR- LARGE
	d.	DYNAMIC WRIST FIXATOR
	e.	DYNAMIC EXTERNAL FIXATOR MEDIUM WITH SELF ADJUSTING CLAMP
	f.	DYNAMIC LINEAR FIXATOR
	g.	DYNAMIC EXTERNAL FIXATOR FOR DISTAL RADIUS
309	PEDIATRIC RAIL FIXATOR	
	a.	150 MM- LONG
	b.	200 MM- LONG
	c.	250 MM-LONG
310	CLAMP FOR RAIL FIXATORS	
	a.	CENTRAL CLAMP FOR RAIL FIXATOR
	b.	END CLAMP FOR RAIL FIXATOR
	c.	GRADUATED SWIVEL CLMAP
	d.	SWIVEL CLAMP FOR RAIL FIXATOR
	e.	BALL AND SOCKET CLAMP STANDARD FOR RAIL FIXATOR
	f.	T- BALL AND SOCKET CLAMP FOR RAIL FIXATOR
	g.	DYNA RING FOR RAIL FIXATOR
	h.	T CLAMP FOR RAIL FIXATOR
	i.	SANDWICH PLATE
	j.	ELBOW CLAMP
	k.	METAPHYSEAL CLAMP FOR RAIL FIATOR
311	CLAMP PEDIATRIC	
	a.	PEDIATRIC CENTRAL CLAMP FOR RAIL FIXATOR
	b.	PEDIATRIC END CLAMP FOR RAIL FIXATOR
	c.	PEDIATRIC SWIVEL CLAMP FOR RAIL FIXATOR
312	CLAMP GENERAL	
	a.	OPEN CLAMP (DX.)
	b.	CONNECTING CLAMP (DX.)
	c.	TWIN ADJUSTABLE CLAMP
	d.	TUBE TO TUBE CLAMP
	e.	TRANSVERSE CLAMP
	f.	CLAMOP FOR FOREARM 2.5 MM x4.0 MM
	g.	CLAMP FOR FOREARM 3.5 MM x4.0 MM
	h.	CONNECTING CLAMP 4.0 MM x4.0 MM
313	PIN CLAMPS	
	a.	SINGLE PIN CLAMP (DX.)
	b.	DOUBLE PIN CLAMP (DX.)
314	CD UNIT	
	a.	CD UNIT 40 MM
	b.	CD UNIT 80 MM
315	TUBULAR ROD (8 MM)	
	a.	100 MM
	b.	150 MM

	c.	200 MM
	d.	250 MM
	e.	300 MM
	f.	350 MM
	g.	400 MM
	h.	450 MM
316	TUBULAR ROD (11 MM)	
	a.	100 MM
	b.	150 MM
	c.	200 MM
	d.	250 MM
	e.	300 MM
	f.	350 MM
	g.	400 MM
	h.	450 MM
	i.	500 MM
317	CONNECTING ROD ϕ 4.0 MM	
	a.	75 MM
	b.	100 MM
	c.	125 MM
	d.	150 MM
	e.	200 MM
	f.	225 MM
	g.	250 MM
	h.	300 MM
319	THREADED ROD ϕ 6.0 MM	
	a.	40 MM
	b.	50 MM
	c.	60 MM
	d.	70 MM
	e.	80 MM
	f.	90 MM
	g.	100 MM
	h.	110MM
	i.	120 MM
	j.	130 MM
	k.	140 MM
	l.	150 MM
	m.	200 MM
	n.	250 MM
	o.	300 MM
	p.	350 MM
	q.	400 MM
320	LOTTED THREADED ROD ϕ 6.0 MM	
	a.	40 MM
	b.	60 MM
	c.	80 MM
	d.	100 MM
321	HALF RING	
	a.	80 MM
	b.	100 MM
	c.	120 MM
	d.	140 MM
	e.	160 MM

	f.	180 MM
	g.	200 MM
	h.	220 MM
322	5/8 RING	
	a.	140 MM
	b.	160 MM
	c.	180 MM
	d.	200 MM
	e.	220 MM
323	WIRE FIXATION BOLT	
	a.	WIRE FIXATION BOLT- CANNULATED
	b.	WIRE FIXATION BOLT- SLOTTED
324	WIRE TENSIONERS	
	a.	WIRE TENSIONERS- MECHANICAL
	b.	WIRE TENSIONERS- DYNAMOMETRIC (DYNAMOMETE)
325	WRENCHOUBE- MALE	
	a.	1 HOLES
	b.	2 HOLES
	c.	3 HOLES
	d.	4 HOLES
326	WRENCHOUBE- FEMALE	
	a.	1 HOLES
	b.	2 HOLES
	c.	3 HOLES
	d.	4 HOLES
327	RING CONNECTING BOLT	
	a.	15 MM
	b.	20 MM
328	ALLEN KEY FOR RAIL FIXATOR	
	a.	5.0 MM
	b.	6.0 MM
329	SPANNERS	
	a.	8 MM
	b.	11 MM
	c.	UNIVERSAL BOX SPANNER
330	NUT	
	a.	11 MM NUT
	b.	SQUARE NUT
331	WASHERS FOR FIXATORS	
	a.	SLOTTED WASHER
	b.	SPACING WASHER
	c.	CONICAL WASHER- COUPLE
332	TRIPPLE TROCAR WITH HANDLE	
	a.	50 MM
	b.	100 MM
333	GENERAL FIXATOR ITEMS	
	a.	SOCKET WRENCH- 11 MM
	b.	COMPRESSION/ DISTRACTION DEVICE LARGE
	c.	SCHANZ SCREW INTRODUCER

GROUP - J : PINS & WIRES

Sl. No.	Name of articles	Specification
334	3.5 MM MOORE \SPIN WITH 2 NUTS	
	a.	45 MM
	b.	50 MM
	c.	55 MM
	d.	60 MM
	e.	65 MM
	f.	70 MM
	g.	75 MM
	h.	80 MM
	i.	85 MM
	j.	90 MM
	k.	100 MM
	l.	105 MM
	m.	110 MM
	n.	115 MM
	o.	120 MM
	p.	125 MM
	q.	130 MM
	r.	135 MM
	s.	140 MM
	t.	145 MM
	u.	150 MM
335	3.0 MM KNOWLES PIN	
	a.	100 MM
	b.	105 MM
	c.	110 MM
	d.	115 MM
	e.	120 MM
	f.	125 MM
	g.	130 MM
	h.	135 MM
	i.	140 MM
	j.	145 MM
336	4.0 MM KNOWLES PIN	
	a.	95 MM
	b.	100 MM
	c.	105 MM
	d.	110 MM
	e.	115 MM
	f.	120 MM
	g.	125 MM
	h.	130 MM
	i.	135 MM
	k.	140 MM
	l.	145 MM
	m.	150 MM
	n.	155 MM
	o.	160 MM
	p.	165 MM

	q.	170 MM
	r.	175 MM
	s.	180 MM
337	4.5 MM SCHANZ PIN	
	a.	14 TH X 100 MM
338	3.5 MM SCHANZ PIN	
	a.	16TH X 125 MM
	b.	16 TH X 150 MM
	c.	16 TH X 175 MM
	d.	16 TH X 200 MM
	e.	18 TH X 175 MM
	f.	32 TH X 150 MM
	g.	32 TH X 175 MM
	h.	32 TH X 200 MM
	i.	32 TH X 225 MM
	k.	40 TH X 225 MM
339	3.5 MM X 4.0 MM SHAFT SCHANZ PIN	
	a.	18 TH X 175 MM
	b.	25 TH X 125 MM
	c.	32 TH X 150 MM
340	3.5 MM X 4.5 MM SHAFT SCHANZ PIN	
	a.	32 TH X 125 MM
	b.	32 TH X 150 MM
341	4.0 MM SCHANZ PIN	
	a.	40 TH X 175 MM
342	4.5 MM SCHANZ PIN	
	a.	18 TH X 150 MM
	b.	18 TH X 175 MM
	c.	18 TH X 200 MM
	d.	18 TH X 225 MM
	e.	25 TH X 125 MM
	f.	25 TH X 150 MM
	g.	25 TH X 175 MM
	h.	25 TH X 200 MM
	i.	25 TH X 225 MM
	j.	25 TH X 250 MM
	k.	32 TH X 150 MM
	l.	32 TH X 175 MM
	m.	32 TH X 200 MM
	n.	32 TH X 225 MM
	o.	40TH X 175 MM
	p.	40 TH X 200 MM
	q.	40 TH X 225 MM
343	5.0 MM SCHANZ PIN	
	a.	16 TH X 175 MM
	b.	18 TH X 150 MM
	c.	18 TH X 175 MM
	d.	18 TH X 200 MM
	e.	25 TH X 150 MM
	f.	25 TH X 175 MM
	g.	25 TH X 200 MM
	h.	32 TH X 150 MM
	i.	32 TH X 175 MM
	j.	32 TH X 200 MM

	k.	32 TH X 225 MM
	l.	50 TH X 100 MM
	m.	50 TH X 125 MM
	n.	50 TH X 150 MM
	o.	50 TH X 175 MM
	p.	50 TH X 200 MM
	q.	50 TH X 225 MM
344	6.0 MM SCHANZ PIN	
	a.	32 TH X 150 MM
	b.	32 TH X 175 MM
	c.	32 TH X 200 MM
	d.	32 TH X 225 MM
	e.	50 TH X 125 MM
	f.	50 TH X 150 MM
	g.	50 TH X 175 MM
	h.	50 TH X 200 MM
	i.	50 TH X 225 MM
345	4.0 MM TAPERED SCHANZ PIN	
	a.	18 TH X 50 MM
	b.	20TH X 60MM
	c.	20TH X 70 MM
	d.	20TH X 80 MM
	e.	20TH X 100 MM
346	4.5 MM TAPERED SCHANZ PIN	
	a.	20 TH X 100 MM
	b.	30 TH X 100 MM
	c.	30 TH X 120 MM
	d.	40 TH X 120 MM
	e.	40 TH X 150 MM
	f.	40 TH X 170 MM
347	6.0 MM TAPERED SCHANZ PIN	
	a.	30 TH X 130 MM
	b.	30 TH X 150 MM
	c.	40 TH X 130 MM
	d.	40 TH X 150 MM
	e.	40 TH X 170 MM
	f.	40 TH X 200 MM
	g.	50 TH X 130MM
	h.	50 TH X 150 MM
	i.	50 TH X 170 MM
	j.	50 TH X 200 MM
	k.	50 TH X 225 MM
	l.	50 TH X 250MM
	m.	50 TH X 170MM
	n.	50 TH X 200MM
348	SCHANZ PIN SELF DRILLING AND SELF TAPPING	
	a.	40 TH X 150 MM
	b.	75 TH X 195 MM
	c.	75 TH X 200 MM
349	SCHANZ PIN (STERLISED)	
	a.	16 TH X 150 MM (STERLISED)
	b.	18TH X 200 MM (STERLISED)
	c.	25 TH X 200 MM (STERLISED)
350	6.5 MM CANCELLOUS SCHANZ PIN	

	a.	16 TH X 225 MM
	b.	32 TH X 225 MM
351	CANCELLOUS SCHANZ PIN WITH THREADED END WITH 2 NUTS 6.5 MM	
	a.	L-150 MM
352	3.0 MM STEINMANN PIN	
	a.	150 MM
	b.	175 MM
	c.	200 MM
	d.	225 MM
353	3.0 MM STEINMANN PIN	
	a.	125 MM
	b.	150 MM
	c.	175 MM
	d.	200 MM
	e.	225 MM
	f.	250 MM
354	4.0 MM STEINMANN PIN	
	a.	150 MM
	b.	175 MM
	c.	200 MM
	d.	225 MM
	e.	250 MM
355	4.5 MM STEINMANN PIN	
	a.	150 MM
	b.	175 MM
	c.	200 MM
	d.	225 MM
	e.	250 MM
356	5.0 MM STEINMANN PIN	
	a.	150 MM
	b.	175 MM
	c.	200 MM
	d.	225 MM
357	4.5 MM STEINMANN PIN (STERILISED)	
	a.	225 MM (STERILISED)
356	DANHAM PIN	
	a.	4.5 MM x 225 MM
	b.	5.0 MM X 225 MM
357	DANHAM PIN (STERILIZED)	
	a.	4.5 MM x 225 MM
358	0.6 MM K.WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
359	0.8 MM K. WIRE	
	a.	L 075 MM
	b.	L 100 MM
	c.	L 150 MM
360	1.0 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM

	e.	L-300 MM
361	1.2 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
362	1.4 MM K.WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
	f.	L 310 MM
363	1.5 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
	f.	L-350 MM
	g.	L-400 MM
364	1.6 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
	f.	L-310 MM
365	1.7 MM K. WIRE	
	a.	L 150 MM
366	1.8 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 175 MM
	d.	L 200 MM
	e.	L 250 MM
	f.	L-300 MM
	g.	L 310 MM
367	2.0 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 175 MM
	d.	L 200 MM
	e.	L-225 MM
	f.	L 250 MM
	g.	L 300 MM
	h.	L 310 MM
	i.	L 400 MM
368	2.5 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM

	e.	L-300 MM
	f.	L 400 MM
	g.	L 450 MM
369	3.0 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
	f.	L 310 MM
	g.	L 450 MM
370	3.5 MM K. WIRE	
	a.	L 100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L-300 MM
371	4.0 MM K. WIRE	
	a.	L 150 MM
	b.	L 200 MM
	c.	L 250 MM
	d.	L 300 MM
	e.	L-350 MM
372	5.0 MM K. WIRE	
	a.	L-300 MM
373	K. WIRE (STERILIZED)	
	a.	1.0 MM - L 150 MM (STERILIZED)
	b.	1.2 MM - L 150 MM (STERILIZED)
	c.	1.5 MM - L 150 MM (STERILIZED)
	d.	1.8 MM - L 150 MM (STERILIZED)
	e.	2.0 MM - L 150 MM (STERILIZED)
	f.	2.5 MM - L 150 MM (STERILIZED)
	g.	3.0 MM - L 150 MM (STERILIZED)
374	1.2 MM DOUBLE ENDED- THREADED K. WIRE	
	a.	L-300 MM
375	1.4 MM DOUBLE ENDED- THREADED K. WIRE	
	a.	L 250 MM
376	1.5 MM DOUBLE ENDED- THREADED K. WIRE	
	a.	L 150 MM
	b.	L 180 MM
	c.	L 200 MM
	d.	L 250MM
	e.	L-300 MM
377	2.0 MM DOUBLE ENDED- THREADED K. WIRE	
	a.	L 150 MM
	b.	L 200 MM
	c.	L 250 MM
378	2.5 MM DOUBLE ENDED- THREADED K. WIRE	
	a.	L-100 MM
	b.	L 150 MM
	c.	L 200 MM
	d.	L 250 MM
	e.	L 300 MM
	e.	L-400 MM

379	3.0 MM DOUBLE ENDED- THREADED K. WIRE
	a. L 150 MM
	b. L 200 MM
	c. L 250 MM
	d. L 300 MM
	e. L-350 MM
380	3.5 MM DOUBLE ENDED- THREADED K. WIRE
	a. L 300 MM
381	S.S WIRE (SUTURE)
	a. 16 SWG
	b. 18 SWG
	c. 20 SWG
	d. 22 SWG
	e. 24 SWG
	f. 26 SWG
	g. 28 SWG
	h. 30 SWG
382	COVENTRY STAPLES
	a. SMALL (5 MM STEP)
	b. MEDIUM (10 MM STEP)
	c. LARGE (15 MM STEP)
383	ILLIZAROV WIRE (BAYNOT & TROCAR POINT)
	a. 1.5 (BAYNOT & TROCAR POINT) x 12 MM
	b. 1.5 (BAYNOT & TROCAR POINT) x 16 MM
	c. 1.8 (BAYNOT & TROCAR POINT) x 16 MM
384	OLIVE WIRE (BAYNOT POINT)
	a. 1.5 (BAYNOT POINT)x 16 "
	b. 1.8 (BAYNOT POINT)x 16 "

GROUP - K


Sl. No.	Name of articles Specification
385	UNCEMENTED THR SYSTEM
	* Fully Hydroxyapatite coated stem
	* Most optimum level coating 155 microns
	* Proximal Horizontal macrostructure
	* Distal Macrostructure
	* 12/14 Articuleze Mini Taper
	* Neck Shaft Angle - 130° to 135°
	* Neck length : 38.5 mm/ Offset: 38-43 mm
	* Stem Length: 115-165 mm
	* Femoral head Metallurgy- CoCr (Cobalt Chromium Molybdenum)
	* Cancellous screw diameter 6.5 mm
	* Metallurgy- Ti6Al4V (Forged Titanium Aluminium Vanadium Alloy)
	* Fully threaded self tapping cancellous screw
	* Moderate crosslinked polythelene acetabular liner
	* Metallurgy : Moderately Cross linked - 5 Mrad (GUR 402 grade UHMWPE)
	* Dome poly thickness 6-10 mm with 180 degree femoral head coverage
	* Gamma Irradiated Vacuum packed
	* Available with neutral and +4 mm lateralised option
	* Acetabular cup Metallurgy: Ti6Al4V
	* Acetabular cup dome geometry is 165 degree sub hemisphere shape
	* Cup Porocoat porous coating -250 microns
	* Pore diameter- coating thickness 0.8 mm
	* Locking -ring mechanism
386	Cemented THR System
	* Stem Metallurgy- orthon 90
	* Triple Tapered polished stem
	* Stem Offset 26-42 mm
	* Stem neck length : 25.5-32.1 mm & distal stem tip diameter 5.8 mm
	* Leg length range 26-29 mm
	* 9/10 & 12/14 taper
	* proximal M/L width range : 24.8- 29.7 mm
	* A/P width :10.3 -13 mm
	* Femoral head Metallurgy - Orton 90
	* Ogee flanged polythylene acetabular cup 4 MRAD poly with long posterior wall
	* Radiographic Positioning ring 15 degree angle bore option
	* Void Centraliser Metallurgy- PMMA (Sizes : 10 , 12, 14, 16 mm)
	* Hardinge cement restrictor thickness- 8, 8.5, 9, 11.5 mm
387	Cemented Bipolar System
	* Modular two part system metal cup with poly liner
	* Sizing range 39-65 mm
	* Compatible with 22.225 and 28 mm head
	* Easy conversion to total hip without disturbing femoral component
	* Dedicated modular endo heads
	* Available to use both Uncemented and cemented hip system
	* Design to Accurate fit for wide range of patient
	* Locking ring locks the poly liner into metal cup
	* Stem Metallurgy- Orton 90
	* Triple Tapered polished stem
	* Stem offset 26-42 mm
	* Stem neck length : 25.5-32.1 mm & distal stem tip diameter 5.8 mm
	* Leg length range 26-29 mm
	* 9/10 & 12/14 taper

	*proximal M/L width range : 24.8- 29.7 mm
	*A/P width :10.3 -13 mm
	* Femoral head Metallurgy - Orton 90
	* Hardinge cement restrictor thickness- 8, 8.5, 9, 11.5 mm
388	Uncemented Bipolar system
	* Modular two part system metal cup with poly liner
	* Sizing range 39-65 mm
	* Compatable with 22.225 and 28 mm head
	* Easy conversion to total hip without disturbing femoral componeny
	* Dedicated modular endo heads
	* Available to use both Uncemented and cemented hip system
	* Design to Accurate fit for wide range of patient
	* Locking ring locks the poly liner into metal cup
	*Fully Hydroxyapatite coated stem
	* Most optimal level coating 155 microns
	* Proximal Horizontal macrostructure
	* Distal Macrostructure
	* 12/14 Articuleze Mini Taper
	* Neck Shaft Angle -135 degree
	* Neck Length: 38.5 mm/offset:38-43 mm
	* Stem length : 115-165 mm
	* Femoral head Metaallurgy- Co Cr (Cobalt Cromium Molybdenum)
389	Bone cement:
	* High viscosity cement
	* Longer working time and comparetably short seeting time
	* Contains Methyl Methacrylate/ Methyl acrylate copolymer blend
	* Sterilised using as the radipaque agent
	* Zentamycin loaded
390	TKR System:
	* Femoral component Metaallurgy- Co Cr (Cobalt Cromium Molybdenum)
	* Femur should have a deep sulcus (trochlear) groove ratio of 1.0" to 0.3" radii with 7 degree Q angle to mechanical axis
	* Femur should have J-curve articulation with multi radius design
	* Femoral component inner box dimension- 17.8 mm
	* Femoral component A/P dimension 57-69 mm
	* Femoral component M/L dimension 53-73 mm
	* Femoral component lift off height 20.3 mm
	* Femoral component posterior thickness 8 mm & distal thickness 9mm
	* 7 degree deep conforming trochlear groove
	* Tibial component Metallurgy Ti6Al4V (Forged Titanium Vanadium Alloy)
	* Anatomical 3 degree slope on keel
	* Spirallock threads in the distal aspect of keel accepts various dia & length of Tibial stem
	* Peripheral locking Rim Present
	* Thickness of tibial Platform -2mm
	* Tibial component M/L dimension 61 -83 mm and A/P dimension 41-55 mm
	* Keel height 38-43 mm A/P dimension of keel 21-24 mm and M/L dimension 37-43 mm
	* Poly Insert metallurgy-mild cross linked 5 MRAD (Gur 402 grade UHMPE)
	*Spine width 16.3 mm
	* Spine Height- 19mm
	* Insert Thickness 8, 10, 12.5, 15, 17.5 mm
	* Minimum Effective poly- 6mm
	* M/L dimension 58-83 mm & A/p dimension 38-55 mm
	* Peripheral anterior double locking
	*Dome patella Metallurgy - calcium stearate free UHMWPE
	*Three peg patella

	* Patella Thickness 8, 8.5 , 9 & 11.5 mm
391	Hemi Shoulder system
	* Available in proximally Porocoat®
	* porous -coated and non -coated humeral stems
	* Trial and implants height markings assist in re- establishing anatomical height
	* A reduced proximal body helps preserve bone stock for tuberosity attachment
	* Anterior fin with hole provides the proper anatomical location for tuberosity fixation
	* Modular humeral heads provide more anatomical options than fixed head system
	* A medial fin hole provides additional fixation opportunities
	* Low profile femoral head
	* Increase articular surface area by 25-33 percent
	* Modular head coming into 5 diameter and 3 different hieghts (diameter 40,44,48,52, 56 mm & height 15 , 18 , 21 mm)
392	Total shoulder system
	* Available in proximally Porocoat®
	* porous -coated and non -coated humeral stems
	* Trial and implants height markings assist in re- establishing anatomical height
	* A reduced proximal body helps preserve bone stock for tuberosity attachment
	* Anterior fin with hole provides the proper anatomical location for tuberosity fixation
	* Modular humeral heads with maximized articular surface area
	* Reverse Morse taper locking mechanism provides maximum surgical exposure
	* Modular humeral heads provide more anatomical options than fixed head system
	* A medial fin hole provides additional fixation opportunities
	* Peg & keel system glenoid to give more rotational stability
	* 3 types of gleniod anchor peg, keeled and 5 pegged gleniod
	* Glenoid made off UHMWPE
393	Elbow System:
	* Hinge Prothesis
	* Made off Stailless stell type of metal
	* Both the edges should be narrow to reduce pain
	Shoulder Instrument system;
394	Humeral stem instrument set:
	* Single reaming and broach technique
	* Manual and power both reaming option needed
	* Anterotation fin
	* Height and rotation adjustable zig
395	Humeral Head instrument set:
	* Diameter should 40, 44, 48, 52, and 56 & height should be 15, 18 & 21 mm
	* Different color coading for different sizes head which gives you maximum anatomic coverage
396	Glenoid instrument sets:
	* All 3 peg, keeled and anchor peg option should be available
	* Diameter should 40, 44, 48, 52, and 56 & height should be 15, 18 & 21 mm
397	Total instrument set for TKR system:
397a.	Instrument set for Tibial component:
	* Tibial zig should have option 0 degree, 3 degree & 5 degree inbuilt slope
	* +/-2 mm cutting option be there within the zig itself
	* External tibial zig should have medio/ lateral sliding option to correct the varus/ valgus deformity & anterior sliding option to correct the posterior additional slope
397b.	Instrument set for Femoral component:
	* Femoral zig should have options of posterior referencing and anterior referencing
	* All cuts in one zig except notch cut

	* saw capture should be there within the zig itself to protect the extra bone cut
	* Varus/ valgus deformity correction option should be there within the zig itself
397c.	Instrument set for Tibial Insert component
	* High performance instrumnets to support anterior- posterior transition to match flexion to extension gap
	* Different colour coding for each insert trial
	* Sizes should be 8/10/12.5/15 & 17.5 in each sizes from 1.5-5
397d.	Instrument set for basic and common TKR system
	* High performance instruments designed to minimally invasisve procedure (MIS)
397e.	Instrument set for patellar component:
	* Sizes should be 32/35/38 & 41
	* saw capture should be there within the zig itself to protect the extra bone cut within cutting zig itself
	* 3 peg pattla cutting zig needed
398	Total instrument set for THR system:
398a	Instrument set for Uncemented stem component
	* Downwards cutting broaches
	* single broach technique
	* 45 degree neck cutting option
	* 12/14 taper
398b	Instrument set for Uncemented cup component
	* Sub hemispherical cup trials 165 degree dome
	* Liner tria;l lock in option within the shell
	* Anteversion and abduction angle reffernce guide
	* Compatable with 28& 32mm head
398c	Instrument set for cemented stem component
	* Diamond cutting broaches
	* Wide.range of each sizes straight reamer
	* 12/14 taper
399d	Instrument set for cemented cup component
	* Compateble with 28 mm diameter head
	* Wide range of acetabulam reamer
	* Compateble with 28 mm diameter head
399e	Instrumnet set for acetabulam reamer:
	* Clock wise cutting edge
	* Subhemispherical shape
	* Available in both option manual and power reaming
399f	Instrument set for Bipolar:
	* Available in 22 & 28 Diameter
	* Size range 39-65 mm
	* Design to accurate fit for wide range of patient
400a	Battery Reamer/drill (handpiece) set:
	* Fully Cannulated with 4.0 mm diameter
	* Drilling Speed from 0-930 rpm
	* Reaming Speed from 0-340 rpm
	* Power 195 watt
	* Torque Up to 15 Nm
	* Weight including Batteries 1565 g
	* Clockwise/ counter- clockwise operation

	* Operating voltage 14.8 V
	* Typical Charging Time of less than 60 min
400b	Battery Oscillator (Handpiece) set:
	* variable frequency of 0 to 12,000 osc/min.
	* Saw Blade deflection 4.5 °
	* Keyless fixation of Saw Blades
	* Saw Blade should fixation in 45 ° increments i.e total 8 positions
	* Weight including Batteries 1685 g
	* Operating Voltage 14.8 V
	* Typical Charging time of less than 60 min
	* Saw Blade for TJR Surgery Length 81 to 116 mm, Usable L 60 to 95 mm, Width 12.5 to 25 mm, Thickness 0.89 to 1.47 mm
	* Saw Blade for General Traumatology Length 46 to 90 mm, Usable Length 25 to 69 mm, Width 10 to 50 mm, Thickness 0.4 to 1.2 mm
400c	Batteries/ casing/ Charger set:
	* No memory effect (special charging process eliminates memory effect)
	* Long battery -lifetime (> 1000 charging cycles)
	* Non- sterile batteries
	* Quick Re-availability (because no washing/ sterilization is necessary)
	* No loss of battery capacity due to sterilization
	* Safe and easy handling in the operation theatre
	* Standard battery : 14.8V, 1.5 Ah, Li-Ion
	* Holds the 14.8 V battery to establish connection with the handpiece
	* Helps to ensure aseptic transfer of batteries with the help of sterile cover
	* With locking mechanism to prevent the battery from falling
	* Made up of PEEK (Polyetheretherketone)
	* fully Autoclavable
	* Should have 4 charging bays
	* Should be capable of charging NiCd, NiMh and Lithium Ion batteries
	* Should display the charging status of the batteries
	* Should have option of Refreshing batteries
	* Keeps inserted batteries constantly fully loaded
400d	Drill Chuck with Key / Hudson quick coupling/ Quick coupling for kirschner wires set:
	* 3.2 mm Cannulated with key
	* Operating capacity from 0.5 to 7.3 mm diameter
	* Maximum Speed: 930 rpm
	* Torque 6 Nm
	* 4.0 mm Cannulation
	* Maximum Speed: 340 rpm
	* torque 15 Nm
	* For dia 1.5 to 4.0 mm wires
	* Maximum Speed: 930 rpm
400e	Reciprocating Saw system
	* variable frequency of 0 to 14,000 osc/min.
	* Weight Including Batteries 1675 g
	* Stroke 4 mm
	* Operating voltage 14.8 V
	* Typical Charging time of less than 60 min
	* Click in Saw Blade fixation
	* Saw Blade for Reciprocating saw Length 55 to 80 mm, Cutting Thickness 0.85 to 1.1mm, Width 10 to 12 mm


निदेशक
राजेश्वर आधुनिक विज्ञान संस्थान
गोंडि
 25/11/20