# E-TENDER DOCUMENT

**FOR**

## Supply of Cardiology items for institutional supplies

**Tender No: HLL/SD/RBD/2023-24/TENDER/50 Dt: 16.03.2024**

**E – Tendering**


# HLL Lifecare Limited

(A Govt. Of India Enterprise)
**CIN : U25193KL1966GOI002621**
**HLL Bhavan, Poojappura,**
**Thiruvananthapuram -695012**
**Kerala, India**
**Tel: 0471 2775500, 0471 2350959**
(EXTN – 606 /531)
**Website – www.lifecarehll.com**

# CONTENTS

**HLL LIFECARE LIMITED**
(A Government of India Enterprise)
Sourcing Division
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012, Kerala, India
Tel: 0471 2775500, 0471 2350959 (EXTN – 606 /531)

## NOTICE INVITING TENDER (NIT)

**IFB No: HLL/SD/RBD/2023-24/TENDER/50** **16.03.2024**

HLL Lifecare Limited (HLL), a Government of India Enterprise, invites an e-tender from eligible, competent and experienced parties who are capable of executing the following item/work meeting the requirements as per our tender.

| Sl No | Particulars | Description |
|---|---|---|
| 1 | Name of Item/Work | **Supply of Cardiology items for institutional supplies** |
| 2 | Location of Delivery/Work | **New Delhi / NCT region** |
| 3 | Brief description of Item/Work | L1 parties shall be empanelled and based on the requirement from institutions multiple purchase orders shall be issued time to time on Consignment / outright purchase |
| 4 | Bid Security/EMD | Rs.1,00,000.00 |
| 5 | Bid submission fee/Tender fee | Rs.1,000.00 |
| 6 | Price Validity | 365 days from the date of empanelment which may be extendable upto 2 more years on year to year basis based on satisfactory performance and mutual agreement |
| 7 | Eligibility criteria for Bidders | As per Tender document |
| 8 | HLL A/c Details for payment of Tender Fees and EMD (Payment mode: NEFT/RTGS) | Name of Bank: HDFC BANK<br>A/c number: 00630330000605<br>IFSC Code: HDFC0000063<br>Branch name: Vazhuthacaud, Thiruvananthapuram |
| 9 | Last date and time for online submission of online bids | **23-03-2024 at 15:00 hrs** |
| 10 | Date and time of opening of e-tender | **25-03-2024 at 15:00 hrs** |
| 11 | Address for Communication at HLL regarding the tender | Associate Vice President (SD)<br>Sourcing Division<br>HLL Lifecare Limited<br>Corporate & Regd. Office<br>HLL Bhavan, Poojappura,<br>Thiruvananthapuram-695012<br>E-mail: sdrbdsouth@lifecarehll.com |

**एचएलएल लाइफ़केयर लिमिटेड**
(भारत सरकार का उद्यम)
सोर्सिंग प्रभाग
कॉर्पोरेट मुख्यालय, पूजप्पुरा.पी.ओ.,
तिरुवनंतपुरम - 695012, केरल, भारत
दूरभाष: 0471 2775500, 0471 2350959 (एक्स्ट - 606/531)

**निविदा आमंत्रण सूचना (एनआईटी)**

आईएफबी संख्या: एचएलएल/एसडी/आरबीडी/2023-24/निविदा/50 16.03.2024

एचएलएल लाइफकेयर लिमिटेड (एचएलएल), भारत सरकार का उद्यम, योग्य, सक्षम और अनुभवी पार्टियों से एक ई-निविदा आमंत्रित करता है, जो हमारी निविदा के अनुसार आवश्यकताओं को पूरा करने के लिए निम्नलिखित मद/कार्य को निष्पादित करने में सक्षम हैं।

| क्र. सं. | ब्यौरा | विवरण |
|---|---|---|
| 1 | मद/कार्य का नाम | **Empanelment of suppliers for Supply of Cardiology items for institutional supplies** |
| 2 | सुपुर्दगी/कार्य का स्थान | **New Delhi / NCT region** |
| 3 | मद/कार्य का संक्षिप्त विवरण | L1 parties shall be empanelled and based on the requirement from institutions multiple purchase orders shall be issued time to time on Consignment / outright purchase |
| 4 | बोली प्रतिभूति/ईएमडी | Rs.1,00,000.00 |
| 5 | बोली प्रस्तुतीकरण शुल्क / निविदा शुल्क | Rs.1,000.00 |
| 6 | मूल्य वैधता | 365 days from the date of empanelment which may be extendable upto 2 more years on year to year basis based on satisfactory performance and mutual agreement |
| 7 | बोलीदाताओं के लिए पात्रता मानदंड | As per Tender document |
| 8 | निविदा शुल्क और ईएमडी के भुगतान के लिए एचएलएल खाते का विवरण (भुगतान मोड: एनईएफटी/आरटीजीएस) | Name of Bank: HDFC BANK<br>A/c number: 00630330000605<br>IFSC Code: HDFC0000063<br>Branch name: Vazhuthacaud, Thiruvananthapuram |
| 9 | ऑनलाइन बोलियों के ऑनलाइन प्रस्तुतीकरण की अंतिम तारीख और समय | **23-03-2024 at 15:00 hrs** |
| 10 | ई-निविदा खोलने की तिथि और समय | **25-03-2024 at 15:00 hrs** |
| 11 | एचएलएल में निविदा के संबंध में पत्र व्यवहार के लिए पता | Associate Vice President (SD)<br>Sourcing Division<br>HLL Lifecare Limited<br>Corporate & Regd. Office<br>HLL Bhavan, Poojappura,<br>Thiruvananthapuram-695012<br>E-mail: sdrbdsouth@lifecarehll.com |

## GENERAL INSTRUCTIONS TO BIDDERS

1. This tender is an e-Tender and is being published online in Government eProcurement portal, https://etenders.gov.in/eprocure/app
2. Bid documents including the Bill of Quantities (BoQ) can be downloaded free of cost from the Central Public Procurement Portal of Government of India (e-portal). All Corrigendum/extension regarding this e-tender shall be uploaded on this website i.e. https://etenders.gov.in/eprocure/app.
3. The tender and its corrigendum/extension will also be published in our company website, URL address: http://www.lifecarehll.com/tender.
4. The tendering process is done online only at Government eProcurement portal (URL address: https://etenders.gov.in/eprocure/app). Aspiring bidders may download and go through the tender document.
5. All bid documents are to be submitted online only and in the designated cover(s)/envelope(s) on the Government eProcurement website. Tenders/bids shall be accepted only through online mode on the Government eProcurement website and no manual submission of the same shall be entertained. Late tenders will not be accepted.
6. The complete bidding process is online. Bidders should be in possession of valid Digital Signature Certificate (DSC) of class II or above for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above. If the envelope is not digitally signed & encrypted the Purchaser shall not accept such open Bids for evaluation purpose and shall be treated as non-responsive and shall be rejected.
7. Bidders are advised to go through “Bidder Manual Kit”, “System Settings” & “FAQ” links available on the login page of the e-Tender portal for guidelines, procedures & system requirements. In case of any technical difficulty, Bidders may contact the help desk numbers & email ids mentioned at the e-tender portal.
8. Bidders are advised to visit CPPP website https://etenders.gov.in regularly to keep themselves updated, for any changes/modifications/any corrigendum in the Tender Enquiry Document.
9. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Government eProcurement Portal.

   9.1 Registration

   a) Bidders are required to register in the Government e-procurement portal, obtain ‘Login ID’ & ‘Password’ and go through the instructions available in the Home page after log in to the CPP Portal (URL: https://etenders.gov.in/eprocure/app), by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.

   b) As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.

   c) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

   d) They should also obtain Digital Signature Certificate (DSC) in parallel which is essentially required for submission of their application. The process normally takes 03 days’ time. The bidders are required to have Class II or above digital certificate or above with both signing and encryption from the authorized digital signature Issuance

Company. Please refer online portal i.e. - https://etenders.gov.in/eprocure/app for more details.

e) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or above Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode / eMudhra etc.), with their profile.

f) Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

g) The Bidder intending to participate in the bid is required to register in the e-tenders portal using his/her Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. He/She have to submit the relevant information as asked for about the firm/contractor. The bidders, who submit their bids for this tender after digitally signing using their Digital Signature Certificate (DSC), accept that they have clearly understood and agreed the terms and conditions including all the Forms/Annexure of this tender.

h) Only those bidders having a valid and active registration, on the date of bid submission, shall submit bids online on the e-procurement portal.

i) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

j) Ineligible bidder or bidders who do not possess valid & active registration, on the date of bid submission, are strictly advised to refrain themselves from participating in this tender.

9.2 **Searching for Tender Documents**

a) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Form of Contract, Location, Date, Value etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization

b) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS/ e-mail in case there is any corrigendum issued to the tender document.

c) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk

9.3 **Preparation of Bid**

a) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

b) Please go through the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

c) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR /DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

d) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or ''Other Important Documents'' area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

e) Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

**10.** More information useful for submitting online bids on the CPP Portal may be obtained at https://etenders.gov.in/eprocure/app

**11.** Tenderer are required to upload the digitally signed file of scanned documents. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. Uploading application in location other than specified above shall not be considered. Hard copy of application shall not be entertained.

**12.** Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The 24x7 Help Desk details are as below: -

For any technical related queries please call at 24 x 7 Help Desk Number:
0120-4001 062, 0120-4001 002, 0120-4001 005, 0120-6277 787

Note:- International Bidders are requested to prefix +91 as country code

E-Mail Support: For any Issues or Clarifications relating to the published tenders, bidders are requested to contact the respective Tender Inviting Authority
Technical - support-eproc@nic.in, Policy Related - cppp-doe@nic.in

**13.** Bidders are requested to kindly mention the URL of the portal and Tender ID in the subject while emailing any issue along with the contact details.

**14.** Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. Address for communication and place of opening of bids:

**Associate Vice President (SD)**
**Sourcing Division**
**HLL Lifecare Limited**
**Corporate & Regd. Office**
**HLL Bhavan, Poojappura,**
**Thiruvananthapuram-695012**

**15.** E-mail: sdrbdsouth@lifecarehll.com The bids shall be opened online at the **Office of the Associate Vice President (SD)** in the presence of the Bidders/their authorized representatives who wish to attend at the above address. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be done on the next working day at same time and place.

**16.** More details can be had from the Office of the Associate Vice President (SD) during working hours. The Tender Inviting Authority shall not be responsible for any failure, malfunction or breakdown of the electronic system while downloading or uploading the documents by the Bidder during the e-procurement process.

**17.** A firm/bidder shall submit only one bid in the same bidding process. A Bidder (either as a firm or as an individual or as a partner of a firm) who submits or participates in more than one bid will cause all the proposals in which the Bidder has participated to be disqualified.

**18. Online Tender Process:**

The tender process shall consist of the following stages:

i. Downloading of tender document: Tender document will be available for free download on Government e-procurement portal (URL: https://etenders.gov.in/eprocure/app).

ii. Pre-bid meeting: Not Applicable for this tender

iii. Publishing of Corrigendum: All corrigenda shall be published on Government e-procurement portal (URL: https://etenders.gov.in/eprocure/app) and HLL website (URL address: http://www.lifecarehll.com/tender) and shall not be available elsewhere.

iv. Bid submission: Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on Government e-procurement portal. No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.

v. Opening of Technical Bid and Bidder short-listing: The technical bids will be opened, evaluated and shortlisted as per the eligibility and technical qualifications. All documents in support of technical qualifications shall be submitted (online). Failure to submit the documents online will attract disqualification. Bids shortlisted by this process will be taken up for opening the financial bid.

vi. Opening of Financial Bids: Bids of the qualified bidders shall only be considered for opening and evaluation of the financial bid on the date and time mentioned in critical date's section.

**19. Tender Processing Fees and Bid Security (EMD):**

Tender fee (Non-refundable) and EMD as per the tender conditions shall be paid separately, thru RTGS/NEFT transfer in the following HLL A/c details:

| | | |
|---|---|---|
| Name of Bank | : | HDFC BANK |
| A/c number | : | 00630330000605 |
| IFSC Code | : | HDFC0000063 |
| Branch name | : | VAZHUTHACAUD, Thiruvananthapuram |

Document of the above transactions (UTR NUMBER and DATE OF UTR) completed successfully by the bidder, shall be uploaded at the locations separately while submitting the bids online.

Note: Any transaction charges levied while using any of the above modes of payment has to be borne by the bidder. The supplier / contractor's bid will be evaluated only if payment is effective on the date and time of bid opening.

**20.** HLL Lifecare Limited does not bind themselves to accept the lowest or any bid or to give any reasons for their decisions which shall be final and binding on the bidders.

**21.** HLL Lifecare Limited reserves to themselves the right of accepting the whole or any part of the tender and bidder shall be bound to perform the same at his quoted rates.

**22.** In case, it is found during the evaluation or at any time before placing of PO or after its execution and during the period of subsistence thereof, that one or more of the eligibility conditions have not been met by the bidder or the applicant has made material misrepresentation or has given any materially incorrect or false information, appropriate legal/penal etc., action shall be taken by HLL Lifecare as deemed fit.

**23.** Conditional bids and bids not uploaded with appropriate/desired documents may be rejected out rightly and decision of HLL Lifecare Limited in this regard shall be final and binding.

**24.** The technical bids should be uploaded as per the requirements of NIT and should not contain price information otherwise the bid will be rejected.

**25.** HLL Lifecare Limited Ltd. reserves the right to verify the claims made by the bidders and to carry out the capability assessment of the bidders and the HLL Lifecare Limited's decision shall be final in this regard.

**26.** Submission Process:

For submission of bids, all interested bidders have to register online as explained above in this document. After registration, bidders shall submit their Technical bid and Financial bid online on Government e-procurement portal (URL: https://etenders.gov.in/eprocure/app).

**Note:- It is necessary to click on "Freeze bid" link / icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/ opening during bid opening process**.

**ASSOCIATE VICE PRESIDENT (SD)**

# INSTRUCTIONS TO THE BIDDERS (ITB)

## Section 1

### I. COMPANY BACKGROUND:

HLL Lifecare Limited (HLL) is a public sector undertaking under the administrative control of the Ministry of Health & Family Welfare, Government of India. HLL's purpose of business is to provide quality healthcare products and services at affordable rates. In its quest to become a comprehensive healthcare solutions provider, HLL had diversified into hospital products and healthcare services, while nurturing its core business of providing quality contraceptives. HLL Vending Business Division is offering solution for retailing and making available range of HLL's - quality healthcare products / Sanitary Napkins / Condoms etc., products through state-of-art Vending machines. HLL has also forayed into the Service sectors of Healthcare Diagnostics and Pharmaceutical retail business for more than 10 years.

### Scope of Work

HLL invites bids from the eligible, competent and experienced healthcare products supplier(s) who are eligible for executing the scope of work as mentioned in the tender and as per tender Terms & Conditions.

a) To empanel L1 supplier for Supply of Ophthalmology items for institutional supplies at New Delhi / NCT region

b) Supply to be made on Door delivery basis to the concerned department of New Delhi / NCT region

c) Implants must be delivered on consignment basis within 4-6hours against indents from HLL. Based on the consumption / utilization certificate HLL shall issue purchase order through HLL internal procedure.

d) All consumable items purchased has to be delivered within 5 days from the date of the Letter of Intent / Purchase order

e) L1 party shall be empanelled and based on the requirement from institution multiple purchase orders shall be issued time to time.

### II. Product List and technical specification

**Please refer Annexure 4**

All products should have BIS / ISO / CE quality certificate from the concerned authority

In case of any clarification regarding the product specification you may please write to email id: sdrbdsouth@lifecarehll.com on or before 18.03.2024, 11:00am

## Section 2:

### 1. ELIGIBLE BIDDERS

Bidders are requested to submit the Tender processing fee and EMD online on or before the due date as mentioned in the NIT. The bidders who failed to submit the tender fee and EMD before the submission deadline will be considered as technically non responsive.

A Bidder should have following eligibility criteria as of the date of bid submission and should continue to meet these till the award of the contract.

1.1. All products should have BIS / ISO / CE quality certificate from the concerned authority

1.2. Original Manufacturers having a minimum average annual turnover of Rs.1 Crores (Rupees Five Crores only) during the last three years i.e., 2021-22, 2022-23 and 2023-24 (original/ provisional) will only be eligible for participation.

Authorized agents are also eligible to bid provided their minimum average turnover in the last three years i.e., 2021-22, 2022-23 and 2023-24 (original/ provisional) is Rs.50 lakh (Rupees Fifty lakh only) and their Principal manufacturers meets the eligibility criteria for principal manufacturer as specified above.

In case of bid by authorized agents, manufacturers authorization form must be attached with the bid submitted. If an Original Manufacture is participating in the tender but wishes to make the supplies through its authorised agent, the manufacturer has to ensure that the Authorised agent meets all the eligible criteria mentioned, including minimum average turnover in the last three years i.e., 2021-22, 2022-23 and 2023-24 (original/ provisional) (original / provisional) is Rs. 1 crore (Rupees One crore only and documentary proof for the same has to be attached along with original authorization letter.

1.3. The offered supply should comply with the provisions of the relevant standards for the product as applicable as amended up to date.

1.4. The offered products must have all quality control measures as per Drugs and Cosmetics Act.

1.5. The Bidder must submit an in-house batch wise COA pass test report (hard copy), if demanded

1.6. Firm should submit a self-declared non conviction from bidder and manufacture to be submitted.

1.7. Primary manufacturers/authorized agents are allowed to participate in the Tender. Manufacturer's authorization form in original may be submitted by participating authorized agents.

1.8. Suppliers must ensure strict compliance to all statutory regulations, quality standards and Packing material specifications (as applicable)

1.9. A firm/bidder shall submit only one bid in the same bidding process. A Bidder (either as a firm or as an individual or as a partner of a firm) who submits or participates in more than one bid will cause all the proposals in which the Bidder has participated to be disqualified.

1.10. Bidders who are eligible as per the Provisions of Public Procurement –Preference to Make in India Order No.P-45021/12/2017PP (BE-II), 2017 (published by Department for Promotion of Industry and Internal Trade) inclusive of the latest amendments are eligible to participate in the tender. A self-declaration as per Annexure 14 with respect to this order must be submitted.

1.11. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority, as per order no F.No.6/18/2019-PPD dated 23-July-2020 (Rule 144 (xi) of the GFR, 2017 and any amendments issued thereafter) inclusive of the latest amendments issued by Ministry of Finance, GOI at Annexure 13 of this bidding document. The bidder must comply with all provisions mentioned in this order. A self-declaration as per Annexure 13 with respect to this order must be submitted.

1.12. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry.

1.13. (a) Bidder/ manufacturer who has been de-recognized/debarred/banned/blacklisted for the product mentioned in the tender by any other State Government / Central Govt. Organization /State Medical Corporations/ Director Health Services and or convicted by any court of law due to (i) quality failure of the drug(s) supplied (NSQ/ Spurious/ Adulterated/ Misbranded etc.) (ii) Submission of fake or forged documents (iii) Submission of incorrect information / Suppression of vital information & facts can't participate for that product in the tender during the period of de-recognition / debarment/ Banned/blacklisted. Bidder / manufacturing unit which has been de-recognized/ debarred/banned/blacklisted by State Medical Corporation for any reasons can't participate for that product in the tender during the period of de-recognition/debarment/banned. If we, at a later date, are found guilty of suppressing facts in this regard, such act on our part shall be considered a fraudulent practice in accordance with the Instructions to Bidders and the Purchaser shall be entitled to reject our BID for the product quoted, submitted by us against this Tender.

(b) Any bidder who has been convicted by a competent court of law for supplying (NSQ/ Spurious/ Adulterated/ Misbranded etc.) drugs within a period of last 3 years from the date of floating of tender shall not be eligible to participate in the tender for that product..

(c) Any bidder who is a distributor/ authorized agent then they should ensure that their Principal manufacturer is not been de-recognized/debarred/banned/blacklisted for the quoted product by any other State Government / Central Govt. Organization /State Medical Corporations/ Director Health Services and or convicted by any court of law due to (i) quality failure of the drug(s) supplied (NSQ/ Spurious/ Adulterated/ Misbranded etc.) (ii) Submission of fake or forged documents (iii) Submission of incorrect information / Suppression of vital information & facts can't participate for that product in the tender during the period of de-recognition / debarment/ Banned/blacklisted. Bidder / manufacturing unit which has been de-recognized/ debarred/banned/blacklisted by State Medical Corporation for any reasons can't participate for that product in the tender during the period of de-recognition/debarment/banned. If we, at a later date, are found guilty of suppressing facts in this regard, such act on our part shall be considered a fraudulent practice in accordance with the Instructions to Bidders and the Purchaser shall be entitled to reject our BID for the product quoted, submitted by us against this Tender.

1.14. For the Items quoted in the tender enquiry, firm will have to submit the samples on demand. If firm fails to submit the samples, the tender will be rejected.

## 2. COST OF BIDDING

2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

2.2 Tender documents may be downloaded free of cost from the Government e-procurement portal (URL: https://etenders.gov.in/eprocure/app). However, tender document fees, as mentioned in the NIT, is required to be submitted along with the online bid (Not applicable currently due to GO)

## 3. GETTING INFORMATION FROM WEB PORTAL

3.1. All prospective bidders are expected to see all information regarding submission of bid for the Work published in the e tender website during the period from the date of publication of NIT for the Work and up to the last date and time for submission of bid. Non observance of information published in the website shall not be entertained as a reason for any claim or dispute regarding a tender at any stage.

3.2. All bids shall be submitted online on the Government e-procurement portal only in the relevant envelope(s)/ cover(s), as per the type of tender. No manual submission of bids shall be entertained for the tenders published through Government e-procurement portal under any circumstances.

3.3. The Government e-procurement portal shall not allow submission of bids online after the stipulated date & time. The bidder is advised to submit the bids well before the stipulated date & time to avoid any kind of network issues, traffic congestion, etc. In this regard, the department shall not be responsible for any kind of such issues faced by bidder.

## 4. BIDDING DOCUMENTS

4.1. Content of Bidding Documents

The bidding documents shall consists of the following unless otherwise specified

a. Notice Inviting Tender (NIT)
b. General Instruction to Bidders
c. Instructions to Bidders
d. General Conditions of Contract (GCC)
e. Special Conditions of Contract (SCC)
f. Annexures to Bid
g. Product List

4.2. The Bidder is required to login to the e-procurement portal and download the listed documents from the website as mentioned in NIT. He shall save it in his system and undertake the necessary preparatory work off-line and upload the completed bid at his convenience before the closing date and time of submission.

4.3. The bidder is expected to examine carefully all instructions, Conditions of Contract, Annexures, Terms, Product List in the Bid Document. Failure to comply with the requirements of Bid Document shall be at the Bidder's own risk.

## 5. CLARIFICATION OF BIDDING DOCUMENTS

5.1. A prospective bidder requiring any clarification of the bidding documents shall contact the office of the Tender Inviting Authority on any working day between 10 AM and 5 PM.

5.2 In case the clarification sought necessitates modification of the bid documents, being unavoidable, the Tender Inviting Authority may effect the required modification and publish them in the website through corrigendum.

## 6. AMENDMENT TO BIDDING DOCUMENTS

6.1. Before the deadline for submission of bids, the Tender Inviting Authority may modify the bidding document by issuing addenda.

6.2. Any addendum thus issued shall be a part of the bidding documents which will be published in the e-tender website. The Tender Inviting Authority will not be responsible for the prospective bidders not viewing the website in time.

6.3. If the addendum thus published does involves major changes in the scope of work, the Tender Inviting Authority may at his own discretion, extend the deadline for submission of bids for a suitable period to enable prospective bidders to take reasonable time for bid preparation taking into account the addendum published.

## 7. PREPARATION OF BIDS

### 7.1 Language of the Bid

All documents relating to the bid shall be in the English language.

7.2 **Documents to be submitted along with the Technical Bid**

The online bid submitted by the bidder shall comprise the following:

a) Self-Declaration as per Annexure 1

b) Bid form as per Annexure-2

c) Authorized Licenses to be issued by the competent authorities / CDSCO as the case may be in accordance with the requirements of Dugs and Cosmetics Act issued by the competent authority as amended time to time.

d) BIS / ISO / CE certificate of quoted products to be submitted

e) Self-certified non-conviction certificate from bidder and manufacturer

f) Power of attorney for signatory of bid in Rs 200/- stamp paper duly notarized.

g) Copy of GST Certificate (self-attested copy)

h) Copy of Permanent Account Number (Self–attested Copy)

i) Certificate of incorporation and associated documents like Article of Association and Memorandum of Association/Partnership deed/HUF etc as applicable. (Self–attested Copy).

j) Under taking letter for replacement of complaint/defective goods as per Annexure-3

k) Product List – Annexure 4

l) Authorization letter from manufacturer (Original) must be submitted as per Annexure 5

m) List of all quoted products offered to HLL as per Annexure 6

n) Documentary proof attested by Charted Accountant for establishing the average annual turnover of Original Manufacturers having a minimum average annual turnover of Rs.1 Crores (Rupees Five Crores only) during the last three years i.e. 2021-22, 2022-23 and 2023-24 (original/ provisional). In case of Authorized agents they must submit the documentary proof for minimum average turnover in the last three years i.e., 2021-2022, 2022-23 and 2023-2024 (original/ provisional) is Rs.50 lakh (Rupees Fifty Lakh only) and documentary proof attested by Charted Accountant for establishing their Principal manufacturers meets the eligibility criteria for original manufacturer as specified above. In case of bid by authorized agents, manufacturers authorization form must be attached with the bid submitted.

   If an Original Manufacture is participating in the tender but wishes to make the supplies through its authorised agent, the manufacturer has to ensure that the Authorised minimum average turnover in the last three years i.e., 2021-22, 2022-23 and 2023-24 (original/ provisional) is Rs.50 lakh (Rupees fifty lakh only ) and documentary proof attested by Charted Accountant for the same has to be attached.

o) Annexure 7 - Category details of organization, in case of MSE, If the bidder is a MSE, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006. If a MSE bidder do not furnish the UAM Number along with bid documents, such MSE unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012."

p) Duly filled, signed and sealed Annexure 8 - Indemnity Certificate

q) Annexure 9 - Check List

r) Annexure 10 - Compliance To Rule 144 (XI) of GFR 2017 (Self Declaration)

s) Annexure 11 - Technical Compliance Sheet

t) Annexure 12 - Make In India Preference (Self Declaration)

u) Annexure 13 - Pre Contract Integrity Pact

v) Annexure 14- Fall Clause Declaration

Note: If any of the above document are not applicable for eligible bidders then they shall attach a “NOT APPLICABLE “statement mentioning the justification for the same.

All Annexures must be dully signed and sealed while submitting the same.

Bidders shall not make any addition, deletion or correction in any of the bid documents. If tampering of documents is noticed during tender evaluation, the bid will be rejected and the bidder will be blacklisted.

**8. Bid Prices**

8.1 The Bidder shall bid as described in the Bill of Quantities.

8.2 The rates quoted by the Bidder shall include cost of the material, freight charges, Insurance or any other charges and applicable GST on **Door delivery basis.**

8.3 While quoting, the bidder must ensure that the prices of items covered under National Pharmaceutical Pricing Authority (NPPA) control are lower than or equal to NPPA approved rates

8.4 The rates and prices quoted by the bidder shall remain firm during the entire period of contract and may be renewed on mutually agreed terms & conditions for a further period.

8.5 All Implants must be delivered on consignment basis within 4-6hours against indents from HLL. Based on the consumption / utilization certificate HLL shall issue purchase order through HLL internal procedure

8.6 All consumables has to be delivered within 5 days from the date of the Letter of Intent / Purchase order

8.7 Price comparison during evaluation will be done on the Unit basic price of the product excluding GST. The unit basic price of the product shall include cost of the material, freight charges, Insurance or any other charges excluding GST for door delivery basis at New Delhi / NCT region

8.8 If a firm quotes NIL Charges/ consideration, the bid for that item(s) shall be treated as unresponsive and will not be considered.

8.9 L1 party shall be empanelled and based on the requirement from institutions multiple purchase orders shall be issued time to time

**9. Currencies of Bid and Payment**

9.1. The currency of bid and payment shall be quoted by the bidder entirely in Indian Rupees.

All payments shall be made in Indian Rupees only.

**10. SUBMISSION OF BIDS**

The Bidder shall submit their bid online only through the Government eProcurement portal (URL: https://etenders.gov.in/eprocure/app) as per the procedure laid down for e-submission as detailed in the web site. For e tenders, the bidders shall download the tender documents including the Bill of Quantity (BoQ) file from the portal. The Bidder shall fill up the documents and submit the same online using their Digital Signature Certificate. On successful submission of bids, a system generated receipt can be downloaded by the bidder for future reference. Copies of all certificates and documents shall be uploaded while submitting the tender online.

The tender is invited in 3 **Envelope system** from the registered and eligible firms at CPP Portal.

**a) Envelope - I (Tender Fee and EMD):**

Tender fee (Non-refundable) and EMD as per the tender conditions shall be paid separately, thru RTGS/NEFT transfer in the following HLL A/c details:

| | | |
|---|---|---|
| Name of Bank | : | HDFC BANK |
| A/c number | : | 00630330000605 |
| IFSC Code | : | HDFC0000063 |
| Branch name | : | Vazhuthacaud, Thiruvananthapuram |

Document of the above transactions completed successfully by the bidder, shall be uploaded separately while submitting the bids online.

**NOTE**

- SSI/MSE units interested in availing exemption from payment of Tender Fee and EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC / Udyog Aadhaar.
- If the bidder is a MSE, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006.
- If a MSE bidder do not furnish the UAM Number along with bid documents, such MSE unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.
- The Party has to provide Performance Security/Security Deposit if Tender is awarded to them

**b) Envelope - II (Technical bid):**

Technical Bid should contain dully filled, signed and scanned soft copy documents as mentioned in Instructions to Bid (ITB) - Documents to be submitted along with the Technical Bid - Section 7.2.

**c) Envelope – III (Financial Bid): The Financial e-Bid through CPP portal:**

All rates shall be quoted in the format provided and no other format is acceptable. If the price bid has been given as a standard format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the file, open it and complete the colored (Unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the file is found to be modified by the bidder, the bid will be rejected.

**Due to the restriction in the BOQ format of CPP, the price for pulse generator and doc/extension wire shall be quoted based on the respective serial number mentioned in Annexure 4 and 11 in the tender document.**

Prices indicated on the Price Schedule shall be entered separately in the following manner:

(i) The Unit basic price of the product shall include cost of the material, freight charges, Insurance or any other charges excluding GST for door delivery basis to our delivery location(s) and the same has to be entered in the Basic Unit rate column of BOQ.

(ii) HSN Code and GST amount as applicable in appropriate column of BOQ.

(iii) The total unit cost in figure and words.

(iv) Prices shall be quoted in Indian Rupees.

(v) If a firm quotes NIL Charges/ consideration, the bid for that item(s) shall be treated as unresponsive and will not be considered.

(vi) If the Tenderer desires to ask for GST to be paid extra, the same must be specifically stated in the allotted column of BoQ. In the absence of any such stipulation or mentioned as zero then the price will be taken inclusive of GST and no claim for the same will be entertained later

(vii) Price comparison during evaluation will be done on the Unit basic price of the product.

(viii) In case bidders quoted different GST amount or percentage for the same item, in such case GST amount ascertained/ decided by the purchaser shall be final

(ix) The need for indication of all such price components by the tenderers, as required in BoQ is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

Note:-

1. HLL Lifecare Limited reserves the right to verify the credential submitted by the agency at any stage (before or after the award the work). If at any stage, any information / documents submitted by the applicant is found to be incorrect / false or have some discrepancy which disqualifies the firm then HLL shall take the following action:

   a) The agency shall be liable for debarment from tendering in HLL Lifecare Limited, apart from any other appropriate contractual /legal action.

2. On demand of the Tender Inviting Authority, this whole set of certificates and documents shall be send to the Tender Inviting Authority's office address (as given in the NIT) by registered post/Speed post of India Post in such a way that it shall be delivered to the Tender Inviting Authority before the deadline mentioned. The Tender Inviting Authority reserves the right to reject any bid, for which the above details are not received before the deadline.

3. The Tender Inviting Authority shall not be responsible for any failure, malfunction or breakdown of the electronic system while downloading or uploading the documents by the Bidder during the e-procurement process.

**11. Deadline for Submission of the Bids**

11.1 Bid shall be received only online on or before the date and time as notified in NIT.

11.2 The Tender Inviting Authority, in exceptional circumstances and at its own discretion, may extend the last date for submission of bids, in which case all rights and obligations previously subject to the original date will then be subject to the new date of submission. The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time).

Modification, Resubmission and Withdrawal of Bids

11.3. Re submission or modification of bid by the bidders for any number of times before the date and time of submission is allowed. Resubmission of bid shall require uploading of all documents including price bid afresh.

11.4. If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.

11.5. The Bidder can withdraw his/her bid before the date and time of receipt of the bid. The system shall not allow any withdrawal after the date and time of submission.

## 12. BID OPENING AND EVALUATION

Bids shall be opened on the specified date & time, by the tender inviting authority or his authorized representative in the presence of bidders or their designated representatives who choose to attend.

### 12.1. Bid Opening Process

12.1.1 Opening of bids shall be carried out in the same order as it is occurring in invitation of bids or as in order of receipt of bids in the portal. The bidders & guest users can view the summary of opening of bids from any system. Bidders are not required to be present during the bid opening at the opening location if they so desire.

**Envelope - I:** Envelope- I Opening date shall be as mentioned in NIT Document. (Envelop – I shall contain scanned copy of Tender Fees and EMD).

**Envelope - II:** Opening date shall be as mentioned in NIT. The intimation regarding acceptance / rejection of their bids will be intimated to the contractors/firms through e-tendering portal.

If any clarification is needed from bidder about the deficiency in his uploaded documents in Envelope- I, he will be asked to provide it through CPP portal. The bidder shall upload the requisite clarification/documents within time specified by HLL Lifecare Limited, failing which tender will be liable for rejection. In extraordinary circumstances the bidders may be requested to submit the deficient documents intimated through the e-tendering portal additionally by e-mail (As mentioned in the NIT).

**Envelope - III:** The technically qualified bidders, financial bids shall be opened as per Eligibility Criteria. (Depending on evaluation of Envelop I, the date shall be intimated through CPP Portal)

12.1.2. In the event of the specified date of bid opening being declared a holiday for HLL, the bids will be opened at the same time on the next working day.

### 12.2. Confidentiality

12.2.1. Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award has been announced in favour of the successful bidder.

12.2.2. Any effort by a Bidder to influence the Purchaser during processing of bids, evaluation, bid comparison or award decisions shall be treated as Corrupt & Fraudulent Practices and may result in the rejection of the Bidders' bid.

### 12.3 Clarification of Bids

12.3.1. To assist in the examination, evaluation, and comparison of bids, the Tender Inviting Authority may ask the bidder for required clarification on the information submitted with the bid. The request for clarification and the response shall be in writing or by e-mail, but no change in the price or substance of the Bid shall be sought, offered, or permitted.

12.3.2. No Bidder shall contact the Tender Inviting Authority on any matter relating to the submitted bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Tender Inviting Authority, he shall do so in writing.

**12.4. Examination of Bids, and Determination of Responsiveness**

12.4.1. During the bid opening, the Tender Inviting Authority will determine for each Bid whether it meets the required eligibility as specified in the NIT and the required documents and certificates.

12.4.2. A substantially responsive bid is one which conforms to all the terms, conditions, and requirements of the bidding documents, without material deviation or reservation.

A material deviation or reservation is one:-

- which affects in any substantial way the scope, quality, or performance of the Works;
- which limits in any substantial way, inconsistent with the bidding documents, the Purchaser's rights or the Bidder's obligations under the Contract;

or

- Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

12.4.3. If a Bid is not substantially responsive, it may be rejected by the Tender Inviting Authority, and may not subsequently be made responsive by correction or withdrawal of the nonconforming material deviation or reservation.

12.4.4. Non submission of legible or required documents or evidences may render the bid non-responsive.

12.4.5. Bidder can witness the principal activities and view the documents/summary reports for that particular work by logging on to the portal with his DSC from anywhere.

12.4.6. In case only single bid is received, then the purchaser reserves the right to accept/reject the bid as per prevailing norms of GFR and CPP portal, or to go for retender.

**12.5. Negotiation on Bids**

The Tender Inviting Authority reserves the right to negotiate with the lowest evaluated responsive bidder.

**13. BID VALIDITY**

Bids shall remain valid for the period of 365 (Three Sixty Five) days from the date of empanelment, which may be extendable upto 2 more years on year to year basis based on satisfactory performance and mutual agreement. A bid valid for a shorter period shall be rejected by HLL as non-responsive

**14. STATUTORY EXEMPTIONS:**

- **MSE -** Statutory exemptions as per relevant guidelines shall be applicable for MSE vendors. However, the preferences with respect to MSE shall not be applicable who are only involved the trading of the product under the scope of this tender.
- **PPP MII -** Preferences for Make in India products / services shall be applicable in line with Government Order No.P-45021/12/2017PP (BE-II), 2017 (published by Department for Promotion of Industry and Internal Trade) inclusive of the latest amendments. Self declaration to be submitted to claim MAKE IN INDIA preference.

**15. BID SECURITY (EMD)**

**15(a)**

i) The Bidder shall furnish, as part of his Bid, a Bid Security for an amount as detailed in the Notice Inviting Tender (NIT). For e-tenders, Bidders shall remit the Bid Security

using the payment options given in e-tender under Government e-Procurement system only.

ii) Each bid must be accompanied by E.M.D. Any Bid not accompanied by an acceptable Bid Security (EMD) shall be rejected as non-responsive.

iii) The Bid Security (EMD) of the unsuccessful Bidder shall become refundable as promptly as possible after opening of Price Bid and finalization of the tender.

iv) The Bid Security (EMD) of the successful Bidder will be discharged when the Bidder has furnished the required Security Deposit and acceptance of LOI/Work order.

v) SSI/MSE units interested in availing exemption from payment of Bid Security should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC/Udyog Aadhaar. But the Party has to provide Security Deposit, if work is awarded to them.

vi) The bid security may be forfeited/ blacklisted/ de-barred from participating in HLL tenders for a period of 2 years.

vii) The Bid Security may be forfeited:

(a) If a Bidder:
- Changes its offer/bid during the period of bid validity or during the validity of the contract.
- Does not accept the correction of errors

(b) In the case of the successful Bidder, if the Bidder fails:
- To sign the Agreement
- To deliver the material within stipulated time frame as per PO.
- To accept the Notification of award/Letter of Indent/ Purchase order and/or submit the security deposit.
- To acknowledge the Notification of award/Letter of Indent/ Purchase order within 5 days from the date of issue by sending the signed copy of the same.

viii) In such cases the work shall be rearranged at the risk and cost of the selected bidder

ix) The Bid Security deposited will not carry any interest.

## 16. TENDER PROCESSING FEE

16.1. For e-tenders, the mode of remittance of Tender processing Fee shall be the same as detailed for remitting Bid Security (EMD). For e-tenders, Bidders shall remit the Tender fee using the payment options as mentioned in the e-tender

16.2. Any bid not accompanied by the Tender Fee as notified, shall be rejected as nonresponsive.

16.3. Tender Fee remitted will not be refunded.

## 17. ALTERATIONS AND ADDITIONS

17.1 The bid shall contain no alterations or additions, except those to comply with instructions, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

17.2 The bidder shall not attach any conditions of his own to the Bid. The Bid price must be based on the tender documents. Any bidder who fails to comply with this clause will be disqualified.

## 18. INDEMNIFICATION CLAUSE

In case of any Adverse Drug Reaction / untoward side effects occurred due to the administration of the product supplied by your organization, the manufacture/ supplier shall be held liable for any legal or any other proceedings initiated by the Government of India / State Government Authorities. The Bidder shall indemnify, defend and hold harmless Government of India and HLL, its Affiliates, officers, directors, employees, agents, and their respective successors and assigns, from and against any and all loss, damage, claim, injury, cost or expenses (including without limitation reasonable attorney's fees), incurred in connection with third Party claims of any kind that arise out of or are attributable to (i) Manufacturer's/Bidders breach of any of its warranties, representations, covenants or obligations set forth herein or (ii) the negligent act or omission of the Manufacturer /Bidders.(iii) any product liability claim arising from the gross negligence or bad faith of, or intentional misconduct or intentional breach of this Contract by bidder or its affiliate. The Bidder has to submit the indemnity certificate duly signed and sealed in the format provided in Annexure 08

**19. SECURITY DEPOSIT**

19.1 Within 3 days of the receipt of notification of award from the purchaser/owner; the successful Bidder shall furnish the security deposit in the form of a Demand Draft or Bank Guarantee in the security deposit form to be sent along with the Notification of Award.

19.2 The EMD submitted by the successful bidder shall be converted to Security Deposit and the bidder shall be allowed to remit the balance amount.

19.3 In case of MSME suppliers who had availed the EMD exemption as per the applicable exemptions, has to submit the equivalent amount of EMD as Security deposit within 7 days from the date of award of empanelment, else the empanelment shall be treated as cancelled. Failure of the successful Bidder(s) to accept the notification of award or submission of security deposit within the time frame shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which even the purchaser/owner may make the award to the next lowest evaluated Bidder(s) or call for new bids. The security deposit of the empanelled bidder(s) shall be refunded after the bid validity period.

**20. PERFORMANCE SECURITY - Deleted**

**21. FORFEITURE OF SECURITY DEPOSIT**

If the successful bidder / Contractor fails to supply the ordered material at the rate finalized or execute the work and / or supplies only part quantity / partially execute the work or fails to comply with the terms and conditions of the purchase order / work order the security deposit furnished will be forfeited / Bank Guarantee encashed.

**22. PAYMENT TERMS**

22.1 No Advance payment shall be given.

a. **100% of the payable amount will be released within 60 days** of delivery and acceptance of consignment by HLL

22.2 After the submission of Performance Guarantee and its acceptance, the Bid Security will be refunded to the successful bidder.

22.3. The amount shall be paid by HLL in Indian Rupees.

22.4. Acceptance of the payment terms without any qualification shall form part of the technical bid. In case the payment terms are not accepted, the bid is likely to be rejected.

22.5 HLL will make payment to supplier towards the GST amount only after the invoice is uploaded by supplier in GST outward return i.e. GSTR-1 and credit of GST is available (reflected in GSTR-2A) to HLL.

**23. DELIVERY TERMS**

Implants must be delivered on consignment basis within 4-6hours against hospital / HLL requirement. Based on the consumption and utilization certificate issued by the respective hospital authorities, HLL shall issue purchase order upon receipt of utilization certificate. All consumable items purchased has to be delivered within 5 days from the date of the Letter of Intent / Purchase order

**24. DELAY IN DELIVERY OF GOODS**

24.1. Delivery of the Goods shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Notice of award/ Letter of Indent / Purchase order. If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Goods , the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without penalty.

If the vendor fails to deliver the full ordered quantity even during extended delivery period then the Notice of award/ Letter of Indent / Purchase order shall be short-closed.

24.2. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to agreement, unless an extension of time is agreed upon pursuant to agreement without the application of liquidated damages. Levying of penalty shall be on a case to case basis.

24.3. In case of delay in supply the clause number 18 in GCC (Liquidated Damage) will be applicable. However HLL reserves right to impose same quantum of penalty as imposed to HLL by the intending institute to the empanelled supplier(s) in case of any default.

24.4. If supplier defaults (fails to deliver goods on time) then the purchaser reserves the right to purchase the goods from an alternate supplier or from market at the risk and cost of supplier and if the purchase happens at a price higher than the ordered rates, the purchaser shall have the right to claim the difference upon whom order was originally placed and supplier will be under obligation to pay the same. The purchaser has the right to forfeit the performance security / Security Deposit in the event of default. In addition the purchaser is entitled to recover the business loss suffered by the purchaser consequent to default for supplying the product.

**25. TAXES AND DUTIES**

The Bidder shall bear and pay all taxes, duties, levies, GST and charges assessed on the bidder by all municipal, state, or national government authorities, loading & unloading charges etc in connection with the Goods and Services supplied under the Contract. Income Tax and Other Taxes as applicable at the time of execution of job or any other government-imposed liabilities would be deducted from each bill submitted by the bidder

**26. INSPECTION AND TESTS**

26.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract at no extra cost of the Purchaser. The Special conditions of Contract and/or the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing of the identity of any representatives

retained for these purposes.

26.2 The inspections and test may be conducted on the premises of the Supplier or at the Goods final destination. Where conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

26.3 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject them and the Supplier shall either replace the rejected Goods or make all alternations necessary to meet specification requirements free of cost to the Purchaser.

26.4 The Purchasers right to inspect, test and, where necessary, reject the Goods' arrival in at any site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods dispatched.

26.5 HLL reserves the right to seek samples of the product being offered before placement of order and based on approval of samples by HLL/Ultimate customer the order shall be placed. If the sample is rejected due to quality/technical reasons, HLL reserves the right to approach the next higher bidder for samples and if approved, HLL shall proceed with order placement with the next higher bidders. The samples approved only be accepted against the order placed and any deviation would result in the rejection of the product supplied.

26.6 The supplier should submit the internal lab reports for the supplies made to HLL. The purchaser reserves the right to sample check the consignment at the time of delivery for which cost shall be borne by the supplier (pre-dispatch inspection). HLL may analyse the sample drawn from the goods received at depots/C&FAs. In case of sample testing failure at third party lab/ HLL's lab or quality related market complaints, the supplier shall take sole responsibility to replace the entire batch free of cost including the freight charges for collecting back the rejected items from HLL warehouses & resupply or refund the payment for such rejected quantity equal to its Door delivery value if the payment is already made.

**27. INDEMNITY**

The Bidder shall indemnify, defend and hold harmless Government of India and HLL, its Affiliates, officers, directors, employees, agents, and their respective successors and assigns, from and against any and all loss, damage, claim, injury, cost or expenses (including without limitation reasonable attorney's fees), incurred in connection with third Party claims of any kind that arise out of or are attributable to (i) Manufacturer's/Bidders breach of any of its warranties, representations, covenants or obligations set forth herein or (ii) the negligent act or omission of the Manufacturer /Bidders.(iii) any product liability claim arising from the gross negligence or bad faith of, or intentional misconduct or intentional breach of this Contract by bidder or its affiliate. The Bidder has to submit the indemnity certificate duly signed and sealed in the format provided in Annexure 8

**28. SHORT SUPPLY:**

If any shortages in sealed boxes are detected, then supplier should be held responsible. In such a case, the supplier will have to make good of the loss or refund the payment for such quantity equal to its purchase value if the payment is already made. If the payment is not made, purchaser will have right to deduct the payment for the equivalent purchase value corresponding to quantity found short**.**

**29. PARALLEL RATE CONTRACTS:**

HLL reserves the right to enter into the rate contract / parallel rate contracts with one or more parties or to place adhoc contracts simultaneously or at any time during the currency

of contract, with one or more suppliers.

The purchaser also reserves the rights (1) to enter into parallel Price Agreement(s) / Contract(s) simultaneously or at any time during the period of the Price Agreement/Rate Contract with one or more bidder(s) as he/they think fit and (2) to place adhoc contract or contracts simultaneously or at any time during the period of this Rate contract with one or more supplier(s) / bidder(s) for such quantity of such item or items as the purchaser (whose decision shall be final) may determine.

**30. IN CASE OF DEFAULT**

The purchaser is not bound to accept the Lowest offer only and circumstances warranting where lowest party shows its disinterest, L2 or higher offer may be considered for acceptance.

**31. RISK PURCHASE**

If L1 or any other parties' defaults (fails to deliver goods on time) then the purchaser reserves the right to purchase the goods an alternate supplier or from market at the risk and cost of L1 supplier and if the purchase happens at a price higher than the ordered rates, the purchaser shall have the right to claim the difference upon whom order was originally placed and L1 supplier will be under obligation to pay the same. In addition, the purchaser is entitled to recover the business loss suffered by the purchaser consequent to default for supplying the product.

**32. FORCE MAJEURE**

32.1 For purposes of this Clause "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

32.2 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing within Seven days from the date of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

**33. GOODS REPLACEMENT:**

If goods are found to be defective during the sample testing by HLL or Quality related market complaint, on arrival of the material at designated HLL delivery point, supplier must replace the quantity free of cost with fresh batch upon demand by HLL. However replacement of goods will be accepted by HLL subject to the concurrence from the ordering institute else the purchase order will be cancelled and Clause 24 (Delay in delivery of goods) will be applied under the discretion of HLL.

**34. CLARIFICATIONS ON BIDS**

During the bid evaluation, HLL may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted

**35. CONTACTING HLL**

a) From the time of bid opening to the time of Contract award, if any Bidder wishes to contact HLL on any matter related to the bid, he shall do so in writing by sending email to sdrbdsouth@lifecarehll.com.

b) If a Bidder tries to influence HLL directly or otherwise, interfere in the bid evaluation

process and the Contract award decision, his bid will be rejected.

## 36. HLL'S RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award Contract award, without thereby incurring any liability to the affected bidder or bidders.

The purchaser does not bind itself to accept the lowest or any bid and reserves the right to reject any or all bids at any point of time prior to the issuance of the Notice of award/Letter of intent/Purchase order without reason whatsoever.

The purchaser reserves the right to resort to retendering without providing any reasons whatsoever. The purchaser shall not incur any liability on account of such rejection.

The purchaser reserves the right to modify any terms, conditions or specifications for submission of offer and to obtain revised bids from the bidders due to such changes, if any.

Canvassing of any kind will be a disqualification and the purchaser may decide to cancel the bidder from its empanelment.

The purchaser reserves the right to accept or reject any bid and annul the bidding process and reject all bids at any time prior to award of contract without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for the purchaser's action.

## 37. PURCHASER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD

The Purchaser reserves the right at the time of award of contract to increase or decrease the quantity of goods and services originally specified in the bid document without any change in unit price or other terms and conditions.

## 38. EVALUATION AND COMPARISON OF BIDS

38.1 The Purchaser will evaluate and compare bids previously determined to be substantially responsive.

38.2 Price comparison during evaluation will be done on the package excluding GST. The unit basic price of the product shall include cost of the material, freight charges, Insurance or any other charges excluding GST for door delivery basis to our delivery location(s)

38.3 Rate shall be offered separately for each item as per price schedule. Selection of bidder will be based on the lowest price quoted for each item.

## 39. SETTLEMENT OF DISPUTES

Arbitration shall not be a means of settlement of any dispute or claim arising out of the contract relating to the work. Any disputes or difference arising between the parties with respect to the performance of any part of this agreement or anything connected therewith, etc shall as far as possible be mutually settled by the process of dialog and negotiation. Any disputes or differences or questions or claims arising under or relating to a concerning or touching this agreement shall be referred for arbitration in accordance with the provisions of the Arbitration and Conciliation Act 1996.

The arbitration proceedings shall be held at Thiruvananthapuram. The award passed by the arbitrator shall be final and binding on the parties hereto. The conduct of such arbitration shall be in English. Subject to arbitration, the Courts at Thiruvananthapuram alone shall have jurisdiction in respect of settlement of any matter arising out or in connection with the contract.

## 40. MAJOR RESPONSIBILITIES OF SUPPLIER

a. The suppliers have to supply the goods as per the delivery schedules and quantity mentioned in the Notification of award/ Letter of Indent/ Purchase order. Supplies made shall be in strict conformance with the stipulations of tender specification and the respective Notification of award/ Letter of Indent/ Purchase orders.

b. The successful bidder shall acquire in its name all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings that are necessary for the performance of the Notification of award/ Letter of Indent/ Purchase order.

c. The Supplier shall comply with all laws in force in India. The laws will include all national, provincial, municipal, or other laws that affect the performance of the Contract and are binding upon the bidder. The Bidders shall indemnify and hold harmless HLL from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the bidder or its personnel except that caused by HLL.

d. Any product related legal issues shall be handled and connected expenses therewith shall be borne by the bidder/ manufacturer only.

e. Any product related cases shall be handled and connected expenses therewith shall be borne by the contract manufacturer only

f. The bidder must undertake to provide the purchaser the consignment number (s) by which the items ordered had been dispatched from their sites, so as to have online/web access to the tracking system of physical movements of the consignments sent through the courier.

g. The supplier should submit the internal lab reports for the supplies made to HLL. The purchaser reserves the right to sample check the consignment at the time of delivery for which cost shall be borne by the supplier (pre-dispatch inspection). HLL may analyse the sample drawn from the goods received at depots/C&FAs. In case of sample testing failure at third party lab/ HLL's lab or quality related market complaints, the supplier shall take sole responsibility to replace the entire batch free of cost including the freight charges for collecting back the rejected items from HLL warehouses & resupply or refund the payment for such rejected quantity equal to its Door delivery value if the payment is already made.

## 41. The final quantities mentioned in Annexure 4 may vary as per the final requirement and the order may be placed in single or multiple lots during the bid validity period.

## 42. GOVERNING LANGUAGE

The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

## 43. AWARD CRITERIA

The Purchaser will award the contract with the successful bidders whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid in the respective price slabs, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.

## 44. NOTIFICATION OF AWARD

44.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by email, to be confirmed, that its bid had been accepted.

44.2 The notification of award will constitute the formation of the contract.

44.3 The notification of award/ Letter of Intent/ Purchase order will constitute the formation of the Contract. The supplier shall give acceptance of the Notification of award/Letter of Intent/ Purchase order within 5 days from the date of issue by sending the signed copy of the same failing which ,the purchaser shall have the right to cancel the order. The conditions mentioned in the Notification of award/Rate contract agreement/Letter of Intent/ Purchase order will be mutually binding for both the parties and the bidder and the purchaser shall abide by the same. In case of any default in any of the condition of the Notification of award/Letter of Intent/ Purchase order, the purchaser reserves the rights to invoke Bid Securing clause.

44.4 The Purchase order (PO) / Notice of award is liable to be cancelled, if the supplier is unable to comply with or violates any of the terms and conditions laid down in the Purchase order/ Notice of Award. Therefore, up on such cancellation of PO/ Notice of award by HLL, the Supplier will be liable to refund the outstanding advance amount forthwith.

44.5 The successful bidder shall confirm the acceptance of the Notice of award/Purchase order as per the terms & conditions of the tender by signing and returning the duplicate copy of Purchase order (PO)/Notice of award within 5 days from the date of issue of the of purchase order/ Notice of award, failing which HLL shall have the right to reject the purchase order/ Notice of award.

## 45. TERMINATION

HLL reserve right to terminate/ cancel the Notification of award/ Letter of Indent/ Purchase order at any time for any reason without any liability on HLL.

## 46. FALL CLAUSE

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price/ charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to HLL, if the contract has already been concluded.

## 47. CORRUPT OR FRAUDULENT PRACTICES

The purchaser requires that the bidders, suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

| Sl. No | Term | Meaning |
|---|---|---|
| (a) | Corrupt practice | The offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution. |
| (b) | Fraudulent practice | A misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract. |
| (c) | Collusive practice | Means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive levels. |
| (d) | Coercive practice | Means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract. |

The Purchaser will reject the proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive r coercive practices in competing for the Contract in question.

**48. SHELF LIFE**

The supplies of all products should be from fresh stock only. At the time of receipt of goods at HLL depot, products should have minimum 70% of remaining shelf life with latest manufacturing date. Products to be supplied should be of standard quality/quantity as per specification and must be as per the formulations/standard approved/specified by the relevant regulation of any such statutory authorities.

**49. FLEXIBILITY OF PRICES**

The purchaser has option to re-negotiate with rate contract holder to bring down the rate contract prices whenever market fluctuations affect the prices abnormally.

**50. LICENSE AND PERMITS**

The Supplier shall acquire in its name all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings that are necessary for the performance of the Contract.

The Supplier shall comply with all laws in force in India. The laws will include all national, provincial, municipal, or other laws that affect the performance of the Contract and are binding upon the Supplier The Supplier shall indemnify and hold harmless Purchaser from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Supplier or its personnel.

**51. INTEGRITY PACT**

Pre-Contract Integrity Pact and Independent External Monitor

The Integrity pact annexed shall be part and parcel of this document, and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre bid obligation and should be submitted along with the financial and technical bids. All the bidders are bound to comply with the Integrity Pact clauses. Bids submitted without signing Integrity Pact will be ab initio rejected without assigning any reason.

The Integrity pact annexed shall be part and parcel of this document, and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the financial and technical bids. All the bidders are bound to comply with the Integrity Pact clauses. Bids submitted without signing Integrity Pact will be ab initio rejected without assigning any reason.

The email id of the Independent External Monitor for HLL is given below.

Email id: iemhll@lifecarehll.com

**52. RESTRICTIONS UNDER RULE 144 (XI) OF GFR 2017 FOR BIDDERS FROM A COUNTRY SHARING LAND BORDER WITH INDIA.**

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority, as per order no F.No.6/18/2019-PPD dated 23-July-2020 (Rule 144 (xi) of GFR) inclusive of the latest amendments issued by Ministry of Finance, GOI at Appendix of this bidding document. The bidder must comply with all provisions mentioned in this order. A self-declaration (as per format provided in Annexure 10 with respect to this order must be submitted.

**53. PURCHASE PREFERENCE TO MICRO AND SMALL ENTERPRISES (MSE's)**

Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. However, the preferences with respect to MSE shall not be applicable who are only involved the trading of the product under the scope of this tender.

**54. PROVISIONS OF PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA) ORDER 2017**

Statutory exemptions as per relevant guidelines shall be applicable for MSE vendors. Preferences for Make in India products / services shall be applicable in line with Government Order No.P-45021/12/2017PP (BE-II), 2017 (published by Department for Promotion of Industry and Internal Trade) inclusive of the latest amendments. Self-declaration to be submitted to claim MAKE IN INDIA preference as per Annexure 12.

**55. SPLITTING OF ORDER**

In case of critical/vital/safety/security nature of the item, large quantity under procurement, urgent delivery requirements and inadequate vendor capacity, HLL reserves the right to split the contract quantity between the bidders. The splitting ratio shall be at the discretion of HLL. The lowest rate accepted would be counter offered to the L2 party. On acceptance of the counter offer, the order will be placed on L2 for the respective percentage. In case of non-acceptance of the counter offer by the L2 party, a similar offer shall be made to L3 and L4, and so on.

**56. Goods and Services Tax (GST) :**

a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature with HSN code of Goods and Services Tax applicable should be correctly shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.

c. But nevertheless, the Purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of taxes/duties must be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

# GENERAL CONDITIONS OF CONTRACT (GCC)

## 1. DEFINITIONS

1.1 In this contract the following terms shall be interpreted as indicated:

(a) "The Contract" means the agreement entered into between the Purchaser and the Supplier as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;

(b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;

(c) "The Goods" means all the products, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;

(d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and other incidental services, covered under the contract;

(e) "GCC" means the General Conditions of Contract contained in this section.

(f) "SCC" means the Special Conditions of Contract.

(g) "The Purchaser" means the Organisation purchasing the Goods, as named in SCC;

(h) "The Supplier" means the individual or firm supplying the Goods under this Contract;

(i) "Day" means calendar day.

(j) "Delivery period" means the period applicable upto completion of supply of goods by the supplier at the required site mentioned in Notification of award/ Letter of Indent/ Purchase order and accepted by the Purchaser.

## 2. APPLICATION

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

## 3. STANDARDS

3.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.

## 4. USE OF CONTRACT DOCUMENTS AND INFORMATION

4.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

4.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in GCC Clause 4.1 except for purposes of performing the Contract.

4.3 Any document, other than the Contract itself, enumerated in GCC clause 4.1 shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the supplier's performance under the Contract if so required by the Purchaser.

## 5. SUBCONTRACTS

The supplier shall notify the Purchaser in writing of all subcontracts awarded under the contract if not already specified in his bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the contract.

## 6. CONTRACT AMENDMENTS

6.1 Subject to GCC Clauses, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

## 7. PATENT RIGHTS

7.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

7.2 Any product related cases shall be handled and connected expenses therewith shall be borne by the Supplier only.

## 8. INSURANCE

For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from “Warehouse to Warehouse” (Final destinations) on “All Risks” basis including War Risks and Strike.

## 9. CHANGE ORDERS

9.1 The Purchaser may at any time by written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

(a) The method of shipping or packing
(b) The place of delivery; or
(c) The services to be provided by the Supplier.

## 10. ASSIGNMENT

10.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the Purchaser’s prior written consent.

## 11. TERMINATION BY DEFAULT

11.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the Contract in whole or part;

(a) if the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, or within any extension thereof granted by the Purchaser, or

(b) If the Supplier fails to perform any other obligation(s) under the contract.

11.2 In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods. However, the Supplier shall continue the performance of the Contract till such time.

## 12. TERMINATION FOR INSOLVENCY

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

## 13. APPLICABLE LAW

The Contract shall be interpreted in accordance with the laws of the Union of India.

## 14. NOTICES

14.1 Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing or by cable, telex or facsimile and confirmed in writing to the other Party's address specified in Special Conditions of Contract.

14.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## 15. TAXES AND DUTIES

Supplier shall be entirely responsible for all taxes, duties, license fees, octroi etc., incurred until delivery of the contracted Goods to the Purchaser.

## 16. PACKING

16.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit. Packing shall adhere to conditions stipulated in Technical specification.

16.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser

## 17. DELIVERY AND DOCUMENTS

Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Letter of Indent / Notification of Award / Purchase order. The details of dispatching and/or other documents to be furnished by the Supplier are specified in SCC, if any.

## 18. LIQUIDATED DAMAGES

If the Supplier fails to deliver any or all of the Goods or perform of services within the time period(s) specified in the Contract, the Purchaser shall without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to Rs.1000 will be imposed on 1$^{st}$ instance, Rs.2000 on 2$^{nd}$ instance and Rs..2000 plus 10% of the implant cost thereafter. However, H.L.L at its sole discretion reserves the right to accept or reject the delivery of materials which are supplied beyond the delivery date as mentioned in the purchase order. In the event of H.L.L accepting the delivery of the materials beyond the stipulated delivery date as per the Purchase order, penalty as mentioned above would apply. In the event of H.L.L rejecting the delivery of the materials beyond the stipulated delivery date as per the Purchase order, then the party is liable to repay HLL any advance amount which was paid by HLL, failing which HLL will have the right to initiate legal proceedings against such party/ successful bidder. Once the maximum is reached, the Purchaser may consider termination of the Contract. If the Supplier fail to comply with specific packing descriptions or instructions, the loss incurred by the purchaser on this account shall be indemnified by the supplier.

## 19. RESOLUTION OF DISPUTES

19.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

19.2 If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the Special Conditions of Contract. These mechanisms may include, but or not limited to, conciliation mediated by a third Party, adjudication in an agreed national forum, and national arbitration.

## Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below.

These Special Conditions will modify/substitute/supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

**There are no special conditions or contract for this tender and all other conditions mentioned in other sections stands valid.**

**Annexure-01**

**SELF - DECLARATION**

**Tender for Supply of Cardiology items for institutional supplies**

**Tender No. HLL/SD/RBD/2023-24/TENDER/50**

To,
Associate Vice President (SD)
Sourcing Division
HLL Lifecare Limited
Corporate & Regd. Office
HLL Bhavan, Poojappura,
Thiruvananthapuram-695012
E-mail: sdrbdsouth@lifecarehll.com

Dear Sir,

We certify that We or our Principal Manufacturer (if applicable), have not been de-registered or debarred or blacklisted or banned / suspended for business for any product or constituent of the product we have quoted, by State Government / Central Govt. Organization /State Medical Corporations/ Director Health Services and or convicted by any court of law, till the due date of submission of BID as specified in the subject BID. If we, at a later date, are found guilty of suppressing facts in this regard, such act on our part shall be considered a fraudulent practice in accordance with the Instructions to Bidders and the Purchaser shall be entitled to reject our BID for the de-registered or debarred or blacklisted or banned / suspended product quoted, submitted by us against this Tender.

Also certify that the quoted products possess relevant quality assurance certification issued by the concerned authorities for all the offered products.

We hereby guarantee that the item supplied by our company are not spurious and we further guarantee not to supply any sub-standard or spurious items. We assure that the items to be supplied shall be as per the formulations / standard approved / specified by the relevant Regulation or as per the regulation of any such statutory authorities.

We have also noted that after submission of BID and before award contract, if we are deregistered or debarred or blacklisted by State Government or Government of India / Drug Controller, our BID will be considered as Non-responsive.

We hereby declare that the facts furnished for the purpose of this tender are correct and true to the best of our knowledge. We are well aware that any discrepancy in the same makes us liable for disqualification / debarment / appropriate action by the tenderer.

Date:
Place:

Signature:
Name:
Designation:
Seal:

**BID FORM** **Annexure-02**

Ref: Date:

To,

Associate Vice President (SD)
HLL Lifecare Limited,
HLL Bhavan, Poojappura,
Thiruvananthapuram -695012 Kerala, India
Tel: 0471 2775500, 0471 2350959 (EXTN - 606 /531)
Website – www.lifecarehll.com

Dear Sir,

**Supply of Cardiology items for institutional supplies**

**Tender No. HLL/SD/RBD/2023-24/TENDER/50**

Having examined the Bidding Documents, including Addenda Nos. [insert numbers], the receipt of which is hereby acknowledged, we, the undersigned, offer our services in full conformity with the Bidding Documents for the total amount against the Product as indicated in the price Schedule.

We undertake that in case our bid is accepted, we shall commence work and shall make all reasonable endeavor to achieve contract acceptance.
We agree to abide by this bid, which, in accordance with consists of this letter, the Price Schedule, letter of authorization, documents establishing conformity, and Attachments through [specify: the number of attachments] to this Bid Form, up to 12 months from the date of opening of financial bids and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

We declare that the above quoted price for product is firm and shall not be subject to any variation for the entire period of the assignment. We further declare that the above quoted prices include all taxes as on the date of bid submission, duties and levies payable by us under aforesaid assignment.

We declare that price/ rate offered is for pharmaceutical products at HLL Depot Punjab and all other related activities.

The costs of withdrawals of these deviations / exclusions are enclosed with the Price Schedule. In case a formal final Contract is not prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

We, the Bidder shall indemnify, defend and hold harmless Government of India, HLL,its Affiliates, officers, directors, employees, agents, and their respective successors and assigns, from and against any and all loss, damage, claim, injury, cost or expenses (including without limitation reasonable attorney's fees), incurred in connection with third Party claims of any kind that arise out of or are attributable to (i) Manufacturer's/Bidders breach of any of its warranties, representations, covenants or obligations set forth herein or (ii) the negligent act or omission of the Manufacturer/Bidders. (iii) any product liability claim arising from the gross negligence or bad faith of, or intentional misconduct or intentional breach of this Contract by bidder or any affiliate.

We agree to all terms and conditions of the Bid Document and subsequent amendments.

Dated this [insert: number] day of [insert: month], [insert: year].
Signature.....
Name.....
Full Address with contact person Name, Phone number and Email
Designation and Common Seal...

**Annexure-03**

**UNDERTAKING LETTER FOR REPLACEMENT OF COMPLAINT/DEFECTIVE GOODS**

**Tender for Supply of Cardiology items for institutional supplies**

**Tender No. HLL/SD/RBD/2023-24/TENDER/50**

To,
Associate Vice President (SD)
HLL Lifecare Limited,
HLL Bhavan, Poojappura,
Thiruvananthapuram -695012 Kerala, India
Tel: 0471 2775500, 0471 2350959 (EXTN - 606 /531)
Website – www.lifecarehll.com

Dear Sir,

We hereby confirm and assure you, that the products supplied by us will meet all the quality standards and even if any quality complaint arises, we (name-----) take the responsibility to take back the complaint batches and replace and deliver fresh batch to HLL sores/ warehouse free of cost within 30 days, subject to approval from HLL. We (name----) shall also bear the transportation charges for collecting back the compliant/rejected batches or goods and the transportation charges incurred for making the replacement.

Signature_____

Name_____

Designation and Common Seal

Station_____
Date_____

**Annexure-04**

## Product List with Specification

**Tender for Supply of Cardiology items for institutional supplies**
**TENDER No – HLL/SD/RBD/2023-24/TENDER/50 Dated 16.03.2024**

| | **Implants and related products (Section I)** |
|---|---|
| **Serial. No.** | **Name of the Article with Specification** |
| 1 | Sirolimus drug coated/eluting coronary balloon.<br>A001 Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5, 4.0.<br>Length (mm) 12/15 mm to≥40 mm in various lengths. |
| 2 | Paclitaxel drug coated/eluting coronary balloon.<br>Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5, 4.0.<br>Length (mm) 12/15 mm to ≥40 mm in various lengths. |
| 3 | Paclitaxel coated/eluting peripheral balloons, various diameters of 4 – 7 mm, 0.035" compatible, available in long lengths from ≤40 mm to ≥200 mm. |
| 4 | Aortic stent graft, cylindrical, self-expandable, Diameter 20->30 mm, various lengths, with delivery system. |
| 5 | Aortic stent graft, bifurcated with extension, self-expandable, Diameter 20->30 mm, various lengths, with delivery system. |
| 6 | Coronary stent Graft with PTFE sandwiched between two layers of metallic stents.<br>Diameter 2.5/2.8 -to-4/5 mm, various lengths. |
| 7 | Coronary stent Graft with elastic membrane based on single layer of ultrathin strut stent of cobalt-chromium platform.<br>Diameter 2.5-to-4/5 mm, various lengths. |
| 8 | Peripheral stent Graft, self expanding, various diameter and lengths with low profile various length and diameter. |
| 9 | Peripheral stent Graft, balloon expanding, various diameter and lengths with low profile. |
| 10 | Fully covered stent graft, possible to cross the joint in SFA and across AV fistulas, 0.035" compatible. Diameter of ≤5 to ≥10 mm and length from ≤20 mm to ≥120 mm. |
| 11 | Peripheral covered stents with single layer peripheral stent, with Hybrid cell design, made of cobalt chromium, ePTFE covered, OTW, 0.035" compatible, 6 to 10 mm diameter, and length from ≤15 to ≥60 mm. |
| 12 | Balloon pre-mounted open cell Cobalt Chromium coronary stent. Strut thickness 65 micron or less, entry profile 0.017" or less with lowest shaft profile. Various diameters of 2.5 to 4 mm and length available upto ≥38 mm. |
| 13 | Balloon pre-mounted open cell stainless steel coronary stent. Small strut thickness, with lowest shaft profile, 5F guide compatible. Various diameters of 2.5 to 4 mm and length available upto ≥38 mm. |
| 14 | IVC filter –permanent. |
| 15 | Permanent IVC filter, MRI compatible. |
| 16 | PDA closure device, Diameter of all sizes, device only. |
| 17 | PDA closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 18 | 3 Tesla MRI compatible PDA closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 19 | PDA closure device, Having aortic retention disc diameter ≥30 mm (aortic disc diameter ≥24 mm), with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |

| | |
|---|---|
| 20 | PDA closure device made of Nitinol coated with platinum, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 21 | Symmetrical PDA closure device with discs on both sides, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath (4/5/6/7 F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer and small size sheath of 4/5 F should be available. |
| 22 | Muscular VSD closure device, different sizes, device only. |
| 23 | Muscular VSD closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 24 | Muscular VSD closure device, 3 Tesla MRI compatible, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 25 | Muscular VSD closure device (post-infarction), device only. |
| 26 | Muscular VSD closure device (post-infarction), Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 27 | ASD closure device, device only. |
| 28 | ASD closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 29 | ASD closure device, 3 Tesla MRI compatible, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 30 | ASD closure device, available in all diameters including >40 mm, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. |
| 31 | Amplatzer vascular plug type 1. All available sizes. |
| 32 | Amplatzer vascular plug type 2. All available sizes. |
| 33 | Amplatzer vascular plug type 3. All available sizes. |
| 34 | Amplatzer vascular plug type 4. All available sizes. |
| 35 | Dedicated device for paravalvular leak closure with delivery system, repositionable and retrievable device, available in various dimensions and shape. Should be supplied with all accessories and components for deployment. |
| 36 | Balloon mounted renal stent, 0.018” compatible, various diameters of 5mm, 6mm, 7mm, 8mm and various length of 10-12 mm to 18-20 mm. |
| 37 | Self-expanding Nitinol carotid stent, monorail, 0.014” Guide wire compatible, tapered end, various length and diameters. |
| 38 | Self-expanding Nitinol carotid stent, monorail, 0.014” Guide wire compatible, tapered end, Closed cell design in the middle part and open cell design in the edges, various length and diameters. |
| 39 | Self-expanding Nitinol carotid stent, monorail, 0.014” Guide wire compatible, cylindrical, various length and diameters. |
| 40 | Self-expanding Nitinol peripheral stent ≤5 mm to ≥8 mm diameter, Various length of ≤30 mm to ≥100 mm, OTW, 0.035” guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size.<br>Available in 80/85 cm, 120/125 cm, 150/155 cm shaft length. |

| | |
|---|---|
| 41 | Self-expanding Nitinol peripheral stent ≤6 mm to ≥ 10 mm diameter, Various length of ≤30 mm to ≥100 mm, OTW, 0.035" guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size.<br>Available in 80/85 cm, 120/125 cm, 150/155 cm shaft length. |
| 42 | Self-expanding Nitinol peripheral stent ≤6 mm to ≥8 mm diameter, available in long lengths of up to ≥200 mm, OTW, 0.035" guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size. |
| 43 | Self-expanding Nitinol peripheral stent ≤4 to 7 mm diameter, Various length of upto ≥200 mm, 6F guide compatible and guide wire compatibility of 0.018". |
| 44 | Self-expanding Nitinol peripheral stent ≤4 to 7 mm diameter, Various length of upto ≥200 mm, 6F guide compatible, 0.035" guidewire compatible, OTW. |
| 45 | Self-expanding peripheral stent ≤5 mm to ≥ 7 mm diameter, Various length of up to ≥160 mm, OTW, 0.035" guidewire compatibility. Having additional feature of extreme kink resistance at $360^0$ twitch.<br>Largest diameter stent compatible with 6F sheath size. |
| 46 | Self-expanding peripheral stent ≤6 mm to ≥ 14 mm diameter, Various length of up to ≥120 mm, OTW, 0.035" guidewire compatibility with Hybrid Cell design.<br>Largest diameter stent compatible with 6F sheath. |
| 47 | Balloon expandable metallic peripheral stent ≤5 to ≥10 mm diameter, ≤20 mm to ≥60 mm length, 0.035" wire compatible, OTW. Largest diameter compatible with 8 F sheath. Available in 80/85 cm, 130/135 cm shaft length. |
| 48 | Balloon expandable cobalt-chromium peripheral stent ≤5 to ≥10 mm diameter, 20->60 mm length, 0.035" wire compatible, OTW.<br>Available in 80/85 cm, 130/135 cm shaft length. |
| 49 | Balloon expandable metallic peripheral stent ≤8/9 to ≥13/14 mm diameter, ≤20 mm to ≥60 mm length, 0.035" wire compatible, OTW. Largest diameter compatible with 9 F sheath. Available in 80/85 cm, 130/135 cm shaft length. |
| 50 | Self-Expandable Nitinol Aortic stent Diameter 8-24 mm, length 30-80mm. |
| 51 | Self-Expandable covered Aortic stent Diameter 8-24 mm, length 30-80mm. |
| 52 | Myocardial Embolic Protection device for SVG. 3-7mm diameter. |
| 53 | Filter type Rapid Exchange Cerebral protection device compatible with 0.014" wire, 4-8 mm diameter. |
| 54 | Basket type Rapid Exchange Cerebral protection device compatible with 0.014" wire, 4-8 mm diameter. |
| 55 | Spider type rapid exchange embolic protection device, deliverable over already placed 0.014" Guidewire, having monorail technology for deployment, 3 to 7 mm diameter. |
| 56 | Proximal (balloon based) cerebral protection device for carotid intervention with all accessories |
| 57 | Sirolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 58 | Everolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 59 | Zotarolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 60 | Sirolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 61 | Everolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 62 | Zotarolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft |

| | |
|---|---|
| | profile, 5F guide compatible, different length and diameter. |
| 63 | Sirolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 64 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 65 | Zotarolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 66 | Sirolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 67 | Everolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 68 | Zotarolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. |
| 69 | Sirolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 70 | Everolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 71 | Zotarolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 72 | Sirolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 73 | Everolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 74 | Zotarolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 75 | Sirolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |
| 76 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |
| 77 | Zotarolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |
| 78 | Sirolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |

| | |
|---|---|
| 79 | Everolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |
| 80 | Zotarolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. |
| 81 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, biostable polymer, 5F guide catheter compatible, different length and diameter. |
| 82 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, 5F guide catheter compatible with dual layer balloon design for better strut apposition, different length and diameter. |
| 83 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, 5F guide catheter compatible with two-segment design of stent, different length and diameter. |
| 84 | Sirolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 85 | Everolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 86 | Zotarolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 87 | Sirolimus coated drug eluting coronary stent with abluminal coating and biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 88 | Everolimus coated drug eluting coronary stent with abluminal coating and biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 89 | Zotarolimus coated drug eluting coronary stent with abluminal coating and biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 90 | Sirolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 91 | Everolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 92 | Zotarolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 93 | Sirolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 94 | Everolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 95 | Zotarolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 96 | Sirolimus coated drug eluting coronary stent, stainless steel/ cobalt chromium platform, and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |

| | |
|---|---|
| 97 | Everolimus coated drug eluting coronary stent, stainless steel/cobalt chromium platform and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 98 | Zotarolimus coated drug eluting coronary stent, stainless steel/cobalt chromium platform and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 99 | Drug eluting coronary stent. Cobalt-chromium platform, small strut thickness with sizes available in 4.0, 4.5 and 5.0 mm for large vessel/left main angioplasty, minimum length from ≤8 mm and longer lengths of 10/12 mm, 15/18mm, 22/24 mm and longer. |
| 100 | Sirolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 101 | Everolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 102 | Zotarolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 103 | Sirolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 104 | Everolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 105 | Zotarolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 106 | Sirolimus coated drug eluting coronary stent, Open cell design Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm to ≥4.5 mm in different lengths. |
| 107 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available between 2.0 mm to ≥4.5 mm in different lengths. |
| 108 | Zotarolimus coated drug eluting coronary stent, Open cell design Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm to ≥4.5 mm in different lengths. |
| 109 | Sirolimus coated drug eluting coronary stent dual drug with no polymer. |
| 110 | Sirolimus Eluting Coronary Stent, Bio degradable polymer, Hybrid open cell, double - helix design, sine wave 3-3-3 link , strut thickness less than 100 µm. |
| 111 | Sirolimus Eluting Coronary Stent Bio degradable polymer, Hybrid open cell, Double - helix design, sine wave 3-3-3 link , strut thickness 0.065mm. |
| 112 | Biolimus A9 coated drug eluting coronary stent. Small strut thickness, entry profile 0.017” or less with lowest shaft profile, 5F guide compatible, different length and diameter. |
| 113 | Sirolimus coated drug eluting Tapered coronary stent with 0.5 mm difference of diameter between proximal and distal end. Cobalt-chromium platform with biodegradable polymer, Small strut thickness, different diameter of upto 4.5 mm (proximal end) and length available upto ≥60 mm. |
| 114 | Sirolimus coated drug eluting peripheral stent. Cobalt-chromium platform, self expanding, 6F guide compatible, different length and diameter. |
| 115 | Sirolimus coated drug eluting peripheral stent. Balloon expanding, 7F guide compatible, different length and diameter. |
| 116 | Sirolimus coated drug eluting peripheral stent. Cobalt-chromium platform, biodegradable polymer, 6F guide compatible, different length and diameter. |
| 117 | Paclitaxel coated drug eluting peripheral stent. Cobalt-chromium platform, self expanding, 6F |

| | |
|---|---|
| | guide compatible, different length and diameter. |
| 118 | Paclitaxel coated drug eluting peripheral stent. Balloon expanding, 7F guide compatible, different length and diameter. |
| 119 | Balloon pre-mounted stents for coarctation of Aorta<br>Length 30-≥60 mm<br>Various diameter of 12 to ≥30 mm |
| 120 | Covered stent for coarctation of Aorta<br>Length 30-70 mm<br>Various diameter of upto ≥40 mm. |
| 121 | Covered mounted stent for peripheral vessels, different Diameter, various lengths. |
| 122 | Non-mounted peripheral stents<br>Length: 30 mm to ≥60 mm<br>Dilatable to various diameter according to the balloon diameter and can be expanded to a larger diameter in a later stage in a growing child/adolescent. |
| 123 | Self-expanding type of TAVI (Transcatheter Aortic Valve Implantation) with all standard accessories for implantation, different sizes. |
| 124 | Balloon-expanding type of TAVI (Transcatheter Aortic Valve Implantation) with all standard accessories for implantation, different sizes. |
| 125 | Transcatheter Implantable Pulmonary Valve with all standard accessories for implantation, different sizes. |
| 126 | Left atrial appendage closure device with all standard accessories for implantation, with structure made of self-expanding Nitinol wires, MRI conditional, available in various sizes. |
| 127 | Impella pump catheters with all accessories for use<br>**a)** 2.5 liter pump<br>**b)** 3.5 liter pump |
| 128 | IVL catheter for calcific coronary angioplasty with all accessories |
| 129 | IVL catheter for calcific peripheral angioplasty with all accessories |
| 130 | Dedicated stent for venous interventions, self expandable, diameter upto 18 mm, length of 40-140mm. |
| 131 | Dedicated stent for venous interventions, balloon expandable, diameter upto 20 mm, length of 40-160mm. |
| 132 | Sirolimus Eluting BioResorbable coronary vascular scaffold system having various diameter and length of upto 40 mm. |
| 133 | Sirolimus coated drug eluting coronary stent, Open cell design Cobalt - chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm ≥ 4.5mm in different lengths. |
| 134 | Sirolimus eluting coronary Co/Cr stent, open cell design, Biostable polymer, anti - dislodgment soft layer for cushion effect, Nylon nandodrap coating technology, strut thickness 75 to 85 micron, and links 70 micron or thinner. Tip profile. 017. diameter of stent 2.0 mm to 4.5 mm with various length. up to 40 mm or more, stent overexpansion of 4 mm 4.5 mm diameter to 5.5 mm or more. |
| 135 | Sirolimus eluting coronary stent system ≤65-micron struts thickness with alternative "S ' links, Hybrid cell design with dual biodegradable and biocompatible polymer for optimal drug delivery. Various Length and diameter. |
| 136 | Everolimus Eluting Coronary stent system ≤65-micron struts thickness with alternative "S' links, Hybrid cell design with dual biodegradable and biocompatible polymer for optimal drug delivery. Various length and diameter. |
| 137 | Self - expanding Nitinol peripheral stent ≤6 mm to≥8 mm diameter available in long length of uo to 200 mm, OTW, 0.035" guidewire compatibility. Largest diameter stent compatible with 7F sheath size. |
| 138 | Self - expanding Nitinol peripheral stent ≤4 to 7 mm diameter, various length of≥200 mm, 6F guide compatible, 0.035" guidewire compatible OTW. |
| 139 | Everolimus coated drug eluting coronary stent with no polymer (polymer free stent), microporus surface, with lowest shaft profile, 5F guide compatible, different length and |

| | |
|---|---|
| | diameter. |
| 140 | Sirolimus coated drug eluting coronary stent with no polymer (polymer free stent), microporus surface, with lowest shaft profile, 5F guide compatible, different length and diameter. |

| | **Cathlab consumables SECTION - II** |
|---|---|
| **Serial No.** | **Name of the Article with Specification** |
| 1 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038” guide wire. 10-12 cm long. 5/6/7/8 F. |
| 2 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038” guide wire. 20±3 cm long. 5/6/7/8 F. |
| 3 | Adult femoral introducer sheath with hemostatic valve and hydrophilic coating over the sheath, in a kit containing puncture needle and 0.038” guide wire. 10-12 cm long. 5/6/7/8 F. |
| 4 | Adult femoral introducer sheath with hemostatic valve and hydrophilic coating over the sheath, in a kit containing puncture needle and 0.038” guide wire. 20±3 cm long. 5/6/7/8 F. |
| 5 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038” guide wire. 20±3 cm long. 9 to ≥12F. |
| 6 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038” guide wire.10-12 cm long. 9 to ≥12F. |
| 7 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.035” guide wire. 10-12 cm long. 5/6/7/8 F. |
| 8 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle, surgical blade and 0.035”/0.038” guide wire. 10-12 cm long. 5/6/7/8 F. |
| 9 | Radial/Brachial introducer sheath with hemostatic valve in a kit containing puncture needle and 0.021” mini guide wire (J tip/straight tip), 7±1 cm long sheath. 5F, 6F. |
| 10 | Radial artery cannulation kit comprising of arterial sheath, puncture needle 21 G, straight tip mini guide wire, sheath length of 11cm. 5F, 6F. |
| 11 | Radial artery cannulation kit comprising of arterial sheath, 20G×2” puncture needle, 0.025” radifocus mini guide wire, available in different sheath lengths of ≥11cm. 4F, 5F, 6F, 7F. |
| 12 | Manifold –two ports with knobs to turn “Right” when open. |
| 13 | Manifold –three ports with knobs to turn “Right” when open. |
| 14 | PTCA kit containing - (i) three port manifold with knobs to turn “Right” when open, (ii) one pressure line, (iii) saline connecting line,(iv) contrast connecting line, (v) one three way stop cock, (vi) short tube of 12 to 15 inches to connect to touhy borst, (vii) one Y-connector hemostatic valve with spring type with lock mechanism,(viii) one inflation device with manometer upto 30 atmosphere (easy to operate with luminescent dial), (ix) one Luer lock controlled syringe of 10 ml with finger grip, (x) insertion needle, (xi) torque device. |
| 15 | PTCA kit containing - (i) three port manifold with knobs to turn “Left” when open, (ii) one pressure line, (iii) saline connecting line,(iv) contrast connecting line, (v) one three way stop cock, (vi) short tube of 24 to 26 inches to connect to touhy borst, (vii) one Y-connector hemostatic valve with non-spring type push and release mechanism,(viii) one inflation device with manometer upto 30 atmosphere (easy to operate with luminescent dial), (ix) one Luer lock controlled syringe of 10 ml with finger grip, (x) insertion needle, (xi) torque device. |
| 16 | Three way stop cock with one male and two female ports and freely rotating adapter for coronary Angiography. |
| 17 | Pressure line: 120-150 cm, 4-6 mm, compatible with manifold and three way ports. |
| 18 | Pressure line: 120-150 cm, 4-6 mm with in-built three way ports in one side. |
| 19 | Short connecting pressure line of 20-30 cm with male port in one side and female port in the other side. |
| 20 | High pressure injector line to withstand pressure up to 1200psi, 75-100 cm length with Luer lock male port and rotator. |
| 21 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins left. 4F, 5F, 6F. |

| | |
|---|---|
| 22 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins Right. 4F, 5F, 6F. |
| 23 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Amplatz Left (ALI/ALII/ALIII).5F, 6F. |
| 24 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Amplatz Right (ARI/ARII). 5F, 6F. |
| 25 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). LIMA Catheter. 5F, 6F. |
| 26 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). RIMA Catheter. 5F, 6F. |
| 27 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Multipurpose AI, AII/BI, BII. 4F, 5F, 6F. |
| 28 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0 as required from time to time. NTR (Non-torque right) type. 4F, 5F, 6F. |
| 29 | Coronary Angiography diagnostic catheters, 125 cm long, for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins left. 4F, 5F, 6F. |
| 30 | Coronary Angiography diagnostic catheters, 125 cm long, for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins Right. 4F, 5F, 6F. |
| 31 | Balloon flotation angiography catheter (Berman type) with side holes. 6F, 7F. |
| 32 | Balloon flotation angiography catheter (Berman type) with side holes and end hole at the tip for wire access. 6F, 7F. |
| 33 | Mullin sheath with hemostatic valve and end marker. 6 to 14F |
| 34 | Shuttle sheath, 40-60 cm long. 6F, 7F, 8F. |
| 35 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Straight pigtail: 5, 6 ,7 F. |
| 36 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Marker pigtail (with radio opaque markers): 6, 7 F. |
| 37 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Angled pigtail (with 145-155 degree angle): 5, 6 F. |
| 38 | Cobra catheter (C1, C2, C3): 4/5/6 F. |
| 39 | Head Hunter catheter: 5/6 F. |
| 40 | Simmons catheter, 5/6 F, (Sim1, Sim2) |
| 41 | NIH catheter, with end hole and side holes, 5/6 F. |
| 42 | NIH catheter, with side holes only, 5/6 F. |
| 43 | Angiographic Guide Wire 0.035”, PTFE coated, ‘J’ tip, 150-160 cm in length. |
| 44 | Angiographic Guide Wire 0.035”, PTFE coated, ‘J’ tip, extra length of 250-260 cm in length. |
| 45 | Angiographic Guide Wire, PTFE coated, ‘J’ tip, having diameter of 0.038”, 0.035”, 0.032”, 0.027”/0.025”, 0.021”. Extra-length (≥250-260 cm) long. (Manufacturer having all the above sizes only will be considered) |
| 46 | Angiographic Guide Wire 0.035”, Heparin coated PTFE wire to prevent micro thrombus formation, ‘J’ tip, 150-160 cm in length. |
| 47 | PTFE coated guide wire for radial angiography, 0.035” diameter with distal J tip of 1.5 mm (small) for radial use. |
| 48 | Radial diagnostic angiography catheter, single catheter for both left and right coronary angiography, Tiger like curve, having a-traumatic tip with end and side hole, large lumen. 100-110 cm long, 5F. |
| 49 | Radial diagnostic angiography catheter, single catheter for both left and right coronary angiography, Multipurpose A like curve with primary curve of 130±5 degrees, having a-traumatic tip, large lumen. 100-110 cm long, 5F. |
| 50 | Radial diagnostic coronary angiography catheters, single catheter for cannulation of both the coronary arteries. With and without side hole, available in 4, 5, and 6 F, 100 cm long and available in different curve length of 3.5 to 4.5 cm. |
| 51 | Radial diagnostic coronary angiography Multipack containing (i) 5 F diagnostic angiography catheter, single catheter for cannulation of both the coronary arteries, 100 cm long and curve length |

| | |
|---|---|
| | of 3.5 cm, (ii) 5 F radial sheath, 21 G puncture needle, compatible 0.018" GUIDE WIRE, (iii) 180 cm long 0.035" angiographic guide wire with distal J tip. |
| 52 | Sterile, disposable catheterization drape for covering patients during angiography/catheterization procedures. Size 100-120×180-200 cm, with two 10-12 cm adhesive fenestrations at the site of femoral artery puncture (in the junction of upper 1/3rd and lower 2/3rd), having absorbent as well as laminated reinforcement. |
| 53 | Sterile, disposable catheterization drape for covering patients during radial angiography. Size 120-140×180-200 cm, with single 10-12 cm adhesive fenestration at the site of right radial artery puncture (in the right upper corner, one foot away from the right and the upper border of the drape), having absorbent as well as laminated reinforcement. |
| 54 | Sterile, disposable catheterization drape for covering patients during angioplasty/catheterization procedures. Size 100-120×300-320 cm, with two 10-12 cm adhesive fenestrations at the site of femoral artery puncture (in the junction of upper 1/3rd and lower 2/3rd), having absorbent as well as laminated reinforcement. |
| 55 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 10 cc, with Luer Lock, no finger grip. |
| 56 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 5 cc, with Luer Lock, no finger grip. |
| 57 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 2 cc, with Luer Lock, no finger grip. |
| 58 | Inflation Device with manometer of 0 to ≥30 atmosphere and luminescent dial face. Easy to operate with ergonomic design. High strength syringe to maintain high pressure setting without pressure loss and immediate pressure release. |
| 59 | Inflation Device with manometer of 0 to 20 atmosphere and luminescent dial face. Easy to operate with push and rotate technique. To maintain high pressure setting without pressure loss and immediate pressure release. |
| 60 | PTCA insertion needle and Torque device accepting 0.014" and 0.018" guide wires. |
| 61 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, having locking system to release. |
| 62 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, without locking system to release (only pull to release). |
| 63 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, without locking system to release (only pull to release). There should be a short inbuilt connecting tube with 3-way in the side port (single piece). |
| 64 | Y-connector for PTCA with two hemostatic valves and one side port. |
| 65 | Non spring screw type Y-connector for PTCA/PTA. |
| 66 | Torque device for 0.014" PTCA guide wires |
| 67 | Torque device for 0.018" PTA guide wires |
| 68 | Torque device for large wires (0.021" to 0.038") |
| 69 | 0.014" Guide wire insertion needle for angioplasty |
| 70 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 71 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 72 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins Right with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |

| | |
|---|---|
| 73 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. IMA guiding catheter, 5F/6F/7F. |
| 74 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI, AII), 5F/6F/7F/8F. |
| 75 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI, BII), 5F/6F/7F/8F. |
| 76 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left (Curves AL0.75, AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. |
| 77 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Right (Curves AR1, AR2), 5F/6F/7F/8F. |
| 78 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Voda Left, 5F/6F/7F/8F. |
| 79 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Left coronary bypass guide catheter, 6F/7F. |
| 80 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Right coronary bypass guide catheter, 6F/7F. |
| 81 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) left, 5F/6F/7F/8F. |
| 82 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) right, 5F/6F/7F/8F. |
| 83 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. 3D right guiding catheter, 6F/7F. |
| 84 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Hockey Stick guiding catheter, 6F/7F. |
| 85 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Shepherd Crook right type guiding (Curves 3.5, 4, 5), 6F/7F. |
| 86 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Head Hunter guiding catheter, 6F/7F. |
| 87 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 88 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right without side holes |

| | |
|---|---|
| | (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 89 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins Right with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 90 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. IMA guiding catheter, 5F/6F/7F. |
| 91 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI, AII), 5F/6F/7F/8F. |
| 92 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI, BII), 5F/6F/7F/8F. |
| 93 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left (Curves AL0.75, AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. |
| 94 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Right (Curves AR1, AR2), 5F/6F/7F/8F. |
| 95 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Voda Left, 5F/6F/7F/8F. |
| 96 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Left coronary bypass guide catheter, 6F/7F. |
| 97 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Right coronary bypass guide catheter, 6F/7F. |
| 98 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) left, 5F/6F/7F/8F. |
| 99 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) right, 5F/6F/7F/8F. |
| 100 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. 3D right guiding catheter, 6F/7F. |
| 101 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Hockey Stick guiding catheter, 6F/7F. |
| 102 | Sterile puncture needle of 21 Gauge, about 5 cm long, permitting insertion of 0.021” guide wire, with plastic jacket covering the needle part. |
| 103 | Sterile puncture needle of 18 Gauge, 7 cm long, permitting insertion of 0.035”/0.038” guide wire, with plastic jacket covering the needle part. |
| 104 | Amplatzer super stiff guide wire, long length of 260 cm to 300 cm of 0.035” size. |
| 105 | Amplatzer Noodke guide wire, long length of 300 cm of 0.035” size. |
| 106 | Cardiac Bioptoms for endomyocardial biopsy. 5F, 6F. 100+5 cm for femoral approach. |
| 107 | Cardiac Bioptoms for endomyocardial biopsy. 5F, 6F. 45+5 cm for internal jugular approach. |
| 108 | Contra-lateral femoral sheath with dilator, 30-55 cm long. 6F, 7F, 8F, 9F, 10F. |
| 109 | Extra-long multipurpose diagnostic catheter, ≥125 cm long. 4F, 5F, 6F. |

| | |
|---|---|
| 110 | Extra-long multipurpose guide catheter, ≥125 cm long. 5F, 6F, 7F, 8F. |
| 111 | Pressure bag with manometer for IV infusion. |
| 112 | Dome kit with flushing system for Cathlab pressure monitor |
| 113 | Physiological pressure transducer and connector for Cathlab machines |
| 114 | 150 ml syringe for contrast injector in Cathlab |
| 115 | Radiolucent ECG electrodes. |
| 116 | Defibrillator external pads (two) with connector compatible with existing bi-phasic defibrillator (Model: MEDIANA D500) |
| 117 | Digital CD 760 MB, archive grade for recording of angiography, angioplasty and echocardiography with name of hospital printed on it. They should have jacket made of tough glass or such material. |
| 118 | DVD 4.7 GB, archive grade for recording of angiography, angioplasty and echocardiography with name of hospital printed on it. They should have jacket made of tough glass or such material with 10 mm width to write patient details. |
| 119 | ASD/VSD/PDA delivery kit containing i) delivery sheath with back bleed prevention hemostatic valve and side port, ii) dilator, iii) delivery cable, iv) loader. 6/7/8/9/10/11/12/13/14F. |
| 120 | Sterile PVA particle for intravascular embolization, 300-1000 µm diameter. |
| 121 | Spring Coil PTCA guide wire with no polymer and Hydrophilic coating. It should have tapered tip (0.014”- 0.010”), and different tip loads, core-to-tip construction for good torque response used for PTCA of CTO. |
| 122 | Doc/Extension wire compatible with Sl. No 121 |
| 123 | PTCA guide wire with PTFE coating over shaft, polymer sleeve length of 20 cm, tip load of 0.8 gm., tip size of 0.014”, tip radiopacity of 3 cm. |
| 124 | Doc/Extension wire compatible with Sl. No 123 |
| 125 | PTCA guide wire with PTFE coating over shaft, polymer sleeve length of 16 cm, tip load of 0.8 gm., tip size of 0.009”, tip radiopacity of 16 cm. |
| 126 | Doc/Extension wire compatible with Sl. No 125 |
| 127 | PTCA extra-support guide wire with PTFE coating over shaft, tip load of 0.7 gm., tip size of 0.014”, spring coil of 4 cm and tip radiopacity of 4 cm. |
| 128 | Doc/Extension wire compatible with Sl. No 127 |
| 129 | PTCA guide wire for CTO with PTFE coating over shaft, tip size of 0.014”, tip radiopacity of 11 cm and spring coil of 11 cm, length of 180-190 cm. various tip loads. |
| 130 | Doc/Extension wire compatible with Sl. No 129 |
| 131 | PTCA guide wire for CTO with extra-support, tip load of 9 gm., tip size of 0.009”, length 180-190 cm, with Spring coil and tip radiopacity of 11 cm and Spring coil and tip radiopacity of 20 cm. |
| 132 | Doc/Extension wire compatible with Sl. No 131 |
| 133 | Joint less spring coil 0.014” one piece core PTCA guide wire with tip radiopacity 3 cm, length 180 cm, tip load of 0.5 gm. and 0.7 gm. |
| 134 | Doc/Extension wire compatible with Sl. No 133 |
| 135 | Dedicated GUIDE WIRE for externalization in retrograde PTCA with length >300 cm. |
| 136 | PTCA one piece core wire with joint less spring coil length 15 cm with cone tip, 180-190 cm long, tip radiopacity 15 cm, Wire diameter 0.010” with a tip load of 1.7 gm., Wire diameter 0.011” with a tip load of 3.5 gm., and Wire diameter 0.012” with a tip load of 4.5 gm. |
| 137 | Doc/Extension wire compatible with Sl. No 136 |
| 138 | PTCA guide wires, 0.014”, 180-190 cm long, Nitinol distal super elastic core for kink resistance and shape retention, Silicon coating for distal 2 cm and hydrophilic coating of rest of the wire length with tip load of 1.0 gm., 0.6 gm., and 3.6 gm. |
| 139 | Doc/Extension wire compatible with Sl. No 138 |
| 140 | Steerable PTCA guide wire with floppy tip, elastinite core, soft shaping ribbon tip and hydrophilic or hydrophobic coating. |
| 141 | Doc/Extension wire compatible with Sl. No 140 |
| 142 | Steerable PTCA extra support guide wire with durasteel core material, core to tip design, floppy tip. With hydrophobic coating and With hydrophilic coating. |
| 143 | Doc/Extension wire compatible with Sl. No 142 |
| 144 | Steerable PTCA 0.014” guide wire, distal nitinol core and rest stainless steel, double coil tip for |

| | |
|---|---|
| | shape retention, hydrophilic coating. |
| 145 | Doc/Extension wire compatible with Sl. No 144 |
| 146 | PTCA Guide wire 0.014" with Polymer coated, hydrophilic, steel core and transitionless tip with various tip strength and tip load for torturous vessels. |
| 147 | Doc/Extension wire compatible with Sl. No 146 |
| 148 | Steerable PTCA guide wire 0.014" with floppy tip, elastinite/ durasteel core, soft tip and hydrophilic or hydrophobic coating, extralong with length of ≥300 cm. |
| 149 | Steerable PTA guide wire with floppy tip, scitanium stainless steel alloy core, extra-support of 0.018" diameter, ≥300 cm long. Tip Non-hydrophilic or Tip Hydrophilic. |
| 150 | Steerable PTA high support guide wire of 0.018", body PTFE/hydrophobic coated, distal hydrophilic coating, distal radiopacity of 2 cm, ≥300 cm long. |
| 151 | PTCA Pre-dilatation, monorail/rapid exchange balloon (semi compliant). Hypotube shaft design, low entry profile of ≤0.016" and 5F guide catheter compatibility. Radio-opaque markers at both ends. Diameters (mm): 1.2/1.25, 1.5, 2.0, 2.5, 3, 3.5, 4.0, 4.5, 5.0. Length: ≤10 mm to ≥30 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 152 | PTCA Pre-dilatation semi-compliant balloon, monorail/rapid exchange. Ultra low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Specific technology used in the shaft for kink resistance, tip entry profile of <0.016" and crossing profile of <0.0220" in the smallest available size balloon. Radio-opaque marker for visibility. Diameters (mm): 1.0, 1.2/1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 2.75, 3.0. Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to ≥20 mm in larger diameter balloons. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 153 | PTCA pre-dilatation semi-compliant balloon, lowest tip entry profile of ≤0.016", crossing profile of ≤0.021", Zero fold or minimum fold with low profile and marker for better visibility, stepwise transition stiffening for more pushability for difficult to cross lesions. Radio-opaque marker (single) at the center of the balloon in small diameter balloons. Diameter (mm): 1.5, 2.0, 2.5, 2.75, 3.0, 3.5, 4.0. Length: minimum 6-8 mm to ≥20 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 154 | PTCA pre-dilatation semi-compliant over the wire balloon (OTW) with short balloon taper, low entry profile (≤0.016"). Diameter: 1.2/1.25, 1.5,2.0, 2.5, 3.0 mm or more. Length – minimum 6-8 mm to 20mm or more. |
| 155 | PTCA Pre-dilatation non-compliant, monorail/rapid exchange balloon with lowest crossing profile for crossing difficult to cross CTO lesions, having balloon size of 0.8±0.1 mm diameter, Length (mm): 6/8, 10/12. |
| 156 | High pressure non-compliant balloon with RBP ≥16 to ≤19 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Available Diameter (mm): 2.0, 2.5, 3.0, 3.5, 4. 4.5, 5.0. Length (mm): ≤10 to ≥30. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 157 | High pressure non-compliant balloon with RBP ≥20 to <30 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure. Available Diameter (mm): 1.5, 1.75, 2.0, 2.25, 2.5, 2.75, 3.0, 3.25, 3.5, 3.75, ≥4.Length (mm): ≤10 mm to ≥20 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 158 | High pressure non-compliant balloon with RBP ≥16 to <30 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure. Available Diameter (mm): 2.5, 2.75, 3.0, 3.5, 4, 4.5, 5.0. Length (mm): ≤5 mm specially designed for POT with all other available lengths. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 159 | High pressure non-compliant balloon with RBP ≥16 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Available Diameter (mm): 5, 5.0, 5.5, 6.0 along with other available sizes. Length (mm): ≤6-8 to ≥20. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 160 | Ultra high pressure non-compliant balloon with ≥30 atm RBP for highly fibrotic or calcific vessels, no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Diameter(mm): 2.0, 2.5, 3.0, 3.5, ≥4. Length(mm): minimum 6-8mm to ≥20 mm. Balloon only. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 161 | Dedicated inflation device to inflate Ultra high pressure non-compliant balloon up to 45/50 atm. |

| | |
|---|---|
| 162 | Peripheral long balloon, semi compliant, various diameters of ≤4 to ≥8 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. |
| 163 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. OTW over 0.018" guide wire. |
| 164 | Peripheral balloon, semi compliant, various diameters of ≤4mm to 8mm. Length: ≤30 to ≥60 mm. Monorail, compatible over 0.014" guide wire. |
| 165 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. OTW over 0.014" guide wire. |
| 166 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. |
| 167 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire, hydrophilic coating over the distal balloon and shaft for easy crossing. Balloon shaft length available in 80/85 mm and 130/135 mm. |
| 168 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. RBP of ≥16 atm in smaller diameters and RBP of ≥12 atm in larger diameters, largest balloon entry sheath size of 7F. Balloon shaft length available in 80/85 mm and 130/135 mm. |
| 169 | Peripheral extra long balloons, semi compliant, various diameters of 6 to ≥10 mm. Length available in 200 to 300 mm along with other lengths. OTW over 0.035" guide wire. |
| 170 | Peripheral extra long balloons, semi compliant, various diameters of 6 to ≥10 mm. Length available in 150 to 300 mm along with other lengths. OTW over 0.018" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. |
| 171 | Peripheral balloons with high RBP of >20 atm, non-compliant, various diameters of 9 to ≥14 mm and length ≤20 to ≥60 mm. OTW over 0.035" guide wire. Largest balloon entry sheath size of 8 F. Balloon shaft length available in 80/85 mm and 130/135 mm. |
| 172 | Peripheral extra long balloons with high RBP of >20 in 7 and 8 mm balloons, semi compliant, various diameters of 6 to ≥10 mm and length ≤20 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. |
| 173 | Scoring balloon catheter. Nitinol scoring element with three rectangular spiral sheets/wires on a non-compliant balloon for coronary artery dilatation. Diameter (mm): 2.0, 2.5, 3.0, 3.5, 4.0. Length (mm): ≤10, ≥15. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 174 | Scoring balloon catheter. Nitinol scoring element with dual wire system on a non-compliant balloon for coronary artery dilatation, hydrophilic coated tip, Diameter (mm): 2.0, 2.25, 2.5, 2.75, 3.0, 3.5, 4.0., Length (mm): ≤10, ≥15, (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 175 | PTCA cutting balloon with blades or such new cutting device at the surface of the balloon, blades/cutting devices arranged with hinges in every 5 mm of balloon for better trackability, Various diameter and length. |
| 176 | Peripheral cutting balloon 4-6 mm diameter length up to 25/30 mm. |
| 177 | Femoral percutaneous closure device (Thrombin/Collagen mediated closure). |
| 178 | Femoral percutaneous closure device (suture mediated closure). |
| 179 | Radial closure device comprising of compression pad (pneumatically inflated with a syringe) with anatomic soft-wrist support pad. |
| 180 | Auto-perfusion catheter, 6F compatible with multiple side-holes and multiple radio opaque markers at the distal end. |
| 181 | Coronary wire braded micro-catheter for channel dilatation with platinum marker at distal tip for clear visibility. Having 8× 0.12 mm wire embedded in the shaft, long taper tip of 15 cm, tip 1.7-1.8 Fr., mid shaft of 2.1-2.2 r. and proximal end of 3.3-3.4 Fr., length 130-140 cm. |
| 182 | Complex channel or micro-channel crossing catheter with hydrophilic coating of distal segment, kink resistant tapered tip of 0.016", Tungsten braiding, +10 elliptical stainless steel braids for better support. |

| | |
|---|---|
| | a) 130-140 cm for antegrade technique.<br>b) 150-160 cm for retrograde technique. |
| 183 | Coronary microcatheter with distal diameter of 1.8 Fr or less, proximal diameter 2.6F, PTFE coated inner layer, and distal hydrophilic coating at the outer layer, flexible tip with outer and inner taper with gold marker at distal tip for enhanced distal visibility to cross difficult lesions.<br>a) 130-135 cm long<br>b) 150-160 cm long |
| 184 | Deflectable tip coronary microcatheter with tapered tip of 1.7-1.91 F. |
| 185 | Dual lumen coronary microcatheter for side branch access |
| 186 | Coronary microcatheter with distal outer diameter of 2.7 F and proximal outer diameter of 2.9 F, with GUIDE WIRE compatibility of 0.021” for microcoil embolization. |
| 187 | Snares: dual plane snare system with radio-opaque loop.<br>a) Small loop.<br>b) Large loop |
| 188 | Amplatz goose neck snare kit<br>a) Small size.<br>b) Large size. |
| 189 | Intra-coronary foreign body retrieval forceps |
| 190 | Radio opaque micro snare, small loop, 90 degree with kink resistant shaft. |
| 191 | Intra-vascular retriever device. |
| 192 | Permanent pacing lead extraction system, Whole device with locking device, mechanical dilator, and accessories. |
| 193 | Permanent pacing lead extraction system, Lead locking device only. |
| 194 | Permanent pacing lead extraction system, Mechanical rotating dilator/cutter only. |
| 195 | Intra-coronary thrombus extraction catheter, short tip monorail segment, big and round suction lumen, 0.014” wire compatibility. 6F, 7F. |
| 196 | Intra-coronary thrombus extraction catheter, tip monorail segment, big and round suction lumen with removable core steel wire for enhanced pushability, tip hydrophilic coating, 0.014” wire compatibility. 6F, 7F. |
| 197 | Sizing plate to measure ASD defect size for device closure. |
| 198 | Fixed tip deflectable E.P. Catheters, all curve, compatible with the existing Cordis EP system. |
| 199 | Bidirectional 7F E.P. catheter with tip electrode of 4 and 5 mm, all curves, compatible with the existing Cordis EP system. |
| 200 | Decapolar coronary sinus catheter for jugular/ subclavian/femoral insertion, fixed and deflectable tip, 5 F & 7F with connector, compatible with the existing Cordis EP system. |
| 201 | Parahisian diagnostic deflectable catheter, octapolar configuration catheter, compatible with the existing Cordis EP system. |
| 202 | 20-pole deflectable catheter for atrial isthmus mapping, compatible with the existing Cordis EP system. |
| 203 | Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm with connectors, compatible with the existing Cordis EP system. |
| 204 | Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm without connectors, compatible with the existing Cordis EP system. |
| 205 | 4 and 5 mm tip Quadripolar tip deflectable RF ablation catheter 7F, all curves, and compatible with the existing Cordis EP system. |
| 206 | Thermocool ablation catheter, compatible with the existing Cordis EP system. |
| 207 | Connecting cables for EPS catheter compatible with the existing Cordis EP system. (Connectors of the firm whose catheters are approved will be purchased). |
| 208 | Regular thermistor/thermocouple RF ablation catheter, compatible with the existing Cordis EP system. |
| 209 | Radio frequency ablation catheter (4mm) compatible with IBI RF generator with connector(7F), different curves, Push-pull technology. |
| 210 | Radio frequency Ablation Catheter (8mm) compatible with IBI RF generator with connector (7F), different curves, Push-pull technology. |

| | |
|---|---|
| 211 | Impedance patches for electro-anatomical mapping for use with Velocity Mapping System. |
| 212 | Impedance patches compatible with IBI RF generator. |
| 213 | Balloon catheter for Non-Contact Mapping of Arrhythmias for use with Velocity Mapping System with connector. |
| 214 | Radiofrequency ablation saline cooled 4mm catheter compatible with IBI RF generator with connector (7F). |
| 215 | Introducer sheath with hemostatic valve and locking hub (8F/8.5F,12 cm). |
| 216 | Introducer sheath with 2 port hemostatic valve and locking hub (10 &12F,12 cm) |
| 217 | Introducer sheath with 3 port hemostatic valve and locking hub (12 &14F,12 cm) |
| 218 | 7F, 4 mm Bidirectional steerable ablation catheter with autolock mechanism (All curves) with connector compatible with Meastro ablator |
| 219 | 7F, 8 mm Bidirectional steerable ablation catheter with autolock mechanism (All curves) with connector compatible with Meastro ablator |
| 220 | Connector for radiofrequency ablation catheter compatible with Meastro ablator and catheter of any make |
| 221 | Connector for radiofrequency ablation catheter compatible with IBI RF ablator and catheter of any make |
| 222 | Connector for radiofrequency ablation catheter compatible with Stockert ablator and catheter of any make |
| 223 | Radiofrequency ablation catheter(unidirectional def. curve, 6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector |
| 224 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cm insertion length, Single long Thermocouple Sensor compatible with Stockert ablator with connector |
| 225 | Irrigated tip ablation catheter, Polyurethane coating with bi directional deflectable curve, 7Fr size with 3.5mm tip electrode , 6 side-holes for open loop irrigation at the tip electrode , 2-5-2 mm inter-electrode, spacing/115cm insertion length, Single Thermocouple, Sensor , compatible with Stockert ablator with connector |
| 226 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5 F) with connector |
| 227 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5 F) with connector |
| 228 | Pre-shape designed EPS catheter to map Crista Terminals(7F) |
| 229 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) |
| 230 | High Density Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) |
| 231 | External disposable non-sterile gel electrode compatible to magnetic-based 3D Mapping system. |
| 232 | Indifferent Patch Electrode(Reusable) for Stockert with connecting cable |
| 233 | Tubing for Irrigated Catheters compatible with cool flow pump |
| 234 | Fixed curve Quadripolar Electrophysiology catheter(all curve, 5-7F) with connector |
| 235 | Fixed Quadripolar catheter Pre-curve shape for HIS position |
| 236 | Deflectable Quadripolar Electrophysiology catheter(all curve, 5-7F) with connector |
| 237 | Fixed curve Decapolar catheter for Coronary sinus mapping (all curve, 5-7F) with connector |
| 238 | Deflectable Decapolar catheter for Coronary sinus mapping (all curve, 5-7F) with connector |
| 239 | Duo Decapolar Electrophysiology Catheter-20 Poles with Connector |
| 240 | Intra cardiac echocardiaography imaging catheter (8-10F) compatible with Philips CX 50 echo system. |
| 241 | FFR wire of 0.014” diameter, compatible with the present available Quantien machine (St. Jude). With wireless connection to the console. |
| 242 | Disposable cover for image intensifier of Philips flat panel machine of catheterization laboratory. |
| 243 | Disposable cover for foot paddles of Philips flat panel machine of catheterization laboratory. |
| 244 | Disposable cover for console of Philips flat panel machine of catheterization laboratory. |

| | |
|---|---|
| 245 | Super-core guide wire, 0.035” size and extra-length of 280 cm or more. |
| 246 | Guide extension catheter, 5F/5.5F/6F/7F, rapid exchange with 150 cm working length, soft tip with radio-opaque marker. |
| 247 | Mother and child catheter assembly for using smaller guide catheter inside large guide catheter. |
| 248 | Back-up Meier steerable guide wires for catheterization and peripheral intervention, J tip, 0.035” diameter, ≥300 cm long. |
| 249 | Equalizer balloon, various sizes. |
| 250 | Wrap around double sided lead aprons for Cathlab. |
| 251 | Two piece skirt & vest, double sided lead aprons for cathlab. |
| 252 | Wrap around, double sided, lead free, ultra-light good quality apron for cath lab. |
| 253 | Lead thyroid shield. |
| 254 | Pealway introducer sheath, 0.035” compatible, 6F/7F/8F |
| 255 | Steerable long sheath with hemostatic valve and deflectable tip, 6F to 14 F, length 50cm, 70 cm and ≥80 cm. |
| 256 | Shuttle sheath, with flexor Tuohy borst side arm, 60 cm long, 6F, 7F, 8F, 9F. |
| 257 | Shuttle sheath, with flexor Tuohy borst side arm, 80 cm long, 6F, 7F, 8F, 9F. |
| 258 | Long sheaths of various sizes with side arm (Balkan/Hausdorff type), for pediatric interventions. 4F, 5F, 6F. 30 to 50 cm long. |
| 259 | Long sheaths of various sizes with side arm (Balkan/Hausdorff type), for adult interventions. 6F, 7F, 8F. 60 to 80 cm long. |
| 260 | Radial hydrophilic sheath-less guide catheter, 7/7.5F size. |
| 261 | IABP balloons with accessories for insertion, compatible with the existing Datascope CS300 machine (with required connector). Sizes available in 20, 24/25, 30/32, 34/36, 40 ml. |
| 262 | Refilling of Helium gas cylinders from time to time for the existing IABP machine of Datascope CS300. |
| 263 | ACT tube compatible with the existing Sonoclot Coagulation Analyzer machine of Seinco Inc. |
| 264 | Cartridges/Cassettes for existing ABG machine ABL 80 Flex (Co-Ox) of Radiometer. |
| 265 | Re-entry balloon for CTO with two exit port for wire entry in to the true lumen |
| 266 | Percutaneous valvuloplasty balloon catheter for adult use, of different sizes available upto 30 mm and length upto 60 mm, with higher RBP (3-6 atm). |
| 267 | Percutaneous valvuloplasty balloon catheter for adult use with dumbbell shaped narrowing of the central part for precise positioning across a valve, of different diameter of mid-size available upto 25/26 mm and length upto 40/50 mm, with higher RBP (3-5 atm). |
| 268 | Percutaneous valvuloplasty BIB (Balloon-in-balloon) balloon catheter of different length and diameter. |
| 269 | Embolization coils of 0.014” diameter, different long lengths for peripheral use |
| 270 | Embolization coils of 0.014” diameter, rounded diameter of the coils 2 to 5 mm once deployed, short lengths of 4, 6, 8, 10 cm for intra-coronary use |
| 271 | Embolization coils of 0.018” diameter, different lengths and formed diameter. |
| 272 | Embolization coils of 0.021” diameter, different lengths and formed diameter. |
| 273 | Embolization coils of 0.035” diameter, different lengths and formed diameter. |
| 274 | Embolization coils of 0.038” diameter, different lengths and formed diameter. |
| 275 | Embolization coils of 0.052” diameter for PDA closure, different lengths and formed diameter. |
| 276 | Park blade septostomy catheter |
| 277 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.035” diameter, 150 -160 cm long. |
| 278 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.035” diameter, 250 -260 cm long. |
| 279 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.032” diameter, 150 -160 cm long |
| 280 | Radifocus hydrophilic GUIDE WIREs, 150 - 160 cm long, Available in 0.018”, 0.025”, 0.032”, 0.035”, 0.038”, (Only manufacturers/firms having all mentioned diameters will be considered.) |
| 281 | Radifocus hydrophilic GUIDE WIREs, 250 - 260 cm long, Available in 0.018”, 0.025”, 0.032”, 0.035”, 0.038”, (Only manufacturers/firms having all mentioned diameters will be considered.) |
| 282 | Bidirectional, steerable soft-tip design, guiding sheath with small and large curve and variable reach, auto lock (between 8-10f), total length ≥90 cm. |
| 283 | Intracardiac echocardiography for Electrophysiology, four way steering to 160 degree, French size: |

| | |
|---|---|
| | 10 F & 8 F, length: ≥90 cms, compatible with CARTO system. |
| 284 | EPS Connecting cable compatible with IBI ablator and J & J radiofrequency ablation catheter |
| 285 | Bi-Directional steerable introducer sheath –assorted sizes |
| 286 | Contact Force Sensing Catheter With force direction vector, Bi directional movement, shaft visualization compatible with Carto 3 mapping and RF ablation |
| 287 | Radial coronary angioplasty guiding catheters, single catheter for cannulation of both the coronary arteries. Available in 5, and 6 F, 100 cm long and available in different curve length of 3.5 to 4 cm and with the option of having side holes. |
| 288 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. |
| 289 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left with short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. |
| 290 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right with short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. |
| 291 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right with side holes and short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. |
| 292 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI) with side holes, 5F/6F/7F/8F. |
| 293 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI) with side holes, 5F/6F/7F/8F. |
| 294 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left with short tip (Curves AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. |
| 295 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left with short tip and side holes (Curves AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. |
| 296 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. |
| 297 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Left Extra Support with side holes (Curves 3, 3.5,4 4.5), 5F/6F/7F/8F. |
| 298 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Right Extra Support with side holes (Curves 3.5,4 4.5, 5), 5F/6F/7F/8F. |
| 299 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Modified Extra back-up, 5F/6F/7F/8F. |
| 300 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Modified Extra back-up with side holes, 5F/6F/7F/8F. |
| 301 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Castillo Curve 1, 2, 3. 6F/7F. |
| 302 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the |

| | |
|---|---|
| | tip. Castillo Curve 1, 2, 3 with side holes. 6F/7F. |
| 303 | Microcoil (0.018" diameter) delivery system<br>a) Coil delivery micro catheter<br>b) Coil pusher |
| 304 | Pressure injector syringe compatible with Medrad mark-7 Arterion Injector. |
| 305 | Reusable pressure transducer plate compatible with Mennen Hemodynamic cath monitor. |
| 306 | Disposable ACT tubes compatible with existing machines (Safdarjang Hospital). |
| 307 | H2O2 and Silver based solution for sterilization compatible with Micro mist Aerosol generator for sterilization of cath lab (1 bottle=10 L). |
| 308 | IABP balloon of different sizes with accessories for insertion, compatible with the existing Datascope CS100 machine. |
| 309 | Refilling of Helium gas cylinders for the existing IABP machine of Datascope CS100. |
| 310 | Single lumen balloon flotation wedge pressure catheter (Swan Ganz type) with end hole. 5F, 6F, 7F. |
| 311 | RDC guide, 7F, 8F |
| 312 | Straight guide 6F, 7F, 8F. |
| 313 | Radial guide catheter, Ikari left curve. 3.5, 4, 4.5, 5 size, 5F/6F for radial angioplasty. |
| 314 | Radial guide catheter, Ikari right curve. 1.0/1.5/2.0/2.5 size, 5F/6F for radial angioplasty. |
| 315 | Radial guide catheter, tiger type curve. 5F/6F size for radial angioplasty. |
| 316 | Goodale-Lubin catheter, 6F. |
| 317 | Cournand catheter, 6F. |
| 318 | Picard catheter, 5F. |
| 319 | Nucleus dilatation balloon with three markers, initial expansion of ends and later expansion of central part. |
| 320 | Multi track angiography catheter for angiography while catheter is over the wire by short monorail part at distal tip, size 5-7 F. |
| 321 | Percutaneous transluminal dilation balloon with markers for coarctation of Aorta with high RBP. All sizes and various lengths. |
| 322 | Ultra high pressure valvuloplasty balloon dilation catheter with multiple markers. |
| 323 | NBIH woven bipolar temporary pacing electrode, 6F/7F. |
| 324 | Bipolar temporary pacing lead, with central removable stillate for maintaining support and tip-curve. 6F/7F. |
| 325 | Balloon flotation temporary pacemaker lead with balloon in the tip. 6F. |
| 326 | Radial diagnostic coronary angiography catheters, single catheter for cannulation of both the right and left coronary arteries. Trapease like, Ultracurve like or similar shapes, with and without side hole. 5F, and 6F, 100-110 cm long. |
| 327 | Radial puncture site closure device comprising of compression pad (non-pneumatic compression technology) with anatomic soft-wrist support pad. |
| 328 | Radial guide catheter, MRESS, RRAD, MRADIAL, LARA like curve. 3.0, 3.5, 4 size, 5F/6F for radial angioplasty. |
| 329 | Radial guide catheter, MAC curve. 3.0, 3.5, 4 size, 5F/6F for radial angioplasty. |
| 330 | Guide extension catheter, 6F/7F/8F, rapid exchange, 145-150 cm working length with short hypotube transition for reducing stent interection/deformation and having dedicated catheter for using in transradial PCI, soft tip with radiopaque marker at both end. |
| 331 | Lunderquist wire superstiff shaft, soft tip, extra long of 260 cm, 0.035". |
| 332 | Mitral Valvuloplasty Double lumen PTMC balloon with vent tube and hole in the outer layer of the balloon, different sizes, with all accessories. |
| 333 | Mitral Valvuloplasty Double lumen PTMC balloon with vent tube and hole in the outer layer of the balloon, different sizes, without accessories. |
| 334 | PTMC double lumen balloon with no hole on the balloon wall, no vent tube, different sizes, with all accessories. |
| 335 | PTMC double lumen balloon with no hole on the balloon wall, no vent tube, different sizes, without accessories. |
| 336 | PTMC single lumen balloon with no hole on the balloon wall, different sizes, with all accessories. |

| | |
|---|---|
| 337 | Mullin's sheath 7-14 F, for adult PTMC/BMV |
| 338 | Mullin's sheath for pediatric procedure 5F/6F. |
| 339 | Trans-septal puncture needle, curved, for atrial septal puncture. For adult use. |
| 340 | Trans-septal puncture needle, straight, for atrial septal puncture. For adult use. |
| 341 | Trans-septal puncture needle, curved, for atrial septal puncture. For pediatric use. |
| 342 | PTMC accessory- spring coil wire, extra stiff, metallic for PTMC/BMV. |
| 343 | PTMC accessory -14 F Dilator for PTMC/BMV |
| 344 | PTMC accessory – stylet or J shaped LV entry wire during PTMC/BMV. |
| 345 | Rotational atherectomy catheter kit containing Burr with advancer (1.25 to 2.0 mm burr size), Floppy Rota guide wire with torque device |
| 346 | Rotational atherectomy catheter: Burr only for rotational coronary atherectomy, 1.25- 2.0 mm. |
| 347 | Rotational atherectomy catheter: Rota burr advancer only |
| 348 | Rotational atherectomy catheter:<br>a) Floppy Rota guide wire<br>b) b) Extra-support wire |
| 349 | IVUS catheter only: Intracoronary intravascular Ultrasound catheter, 40 MHz, with Mechanical Transducer compatible with existing iLab (Boston) IVUS machine. |
| 350 | IVUS catheter only: Intracoronary intravascular Ultrasound catheter, 60 MHz HD catheter, with Mechanical Transducer compatible with existing iLab (Boston) IVUS machine. |
| 351 | IVUS catheter Pullback Sledge only compatible with existing iLab (Boston) machine. |
| 352 | HD IVUS catheter with options to choose optimal frequency of 40 MHz or 60 MHz with the same catheter for intravascular Ultrasound compatible with existing iLab (Boston). |
| 353 | Guide catheter for intracoronary OCT should be 0.014" guide wire and 6 F guide catheter compatibility. Lubricous hydrophilic coating and low tip entry profile for crossing tight, distal lesions with 2.7 F crossing profile, the Lens marker should be immediately proximal to imaging lens and the distance of lens marker from tip should be 23 mm and proximal marker at 82 mm from the lens marker. |
| 354 | Aspiration thromoctomy catheter, Available in 6F, 7F both. Must have entry profile of 0.019 inch,6.0 mm tipfor making aspirationinlet to come closer to the target thrombus and 10 cm depth and 40 cm distal hydrophillic coating. Eliminate PMDA |
| 355 | deflectable Quadripolar E.P. Catheters, allcurve, compatible with the existing Cordis EP system. |
| 356 | Bidirectional 7F E.P. catheter with tip electrode of 4 and 5mm, all curves, compatible with the existing Cordis EP system. |
| 357 | Fix Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm with connectors, compatible with the existing Cordis EP system. |
| 358 | Fix Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm without connectors, compatible with the existing Cordis EP system. |
| 359 | 4-mm tip Quadripolar tip deflectable RF ablation catheter 7F, all curves, and compatible with the existing Cordis EP system. |
| 360 | Thermocool ablation catheter, compatible with the existing Cordis EP system. |
| 361 | Regular thermistor/thermocouple RF ablation catheter, 4mm tip, compatible with the existing Cordis EP system. |
| 362 | ImpedancepatchesforelectroanatomicalmappingforusewithVelocityMappingSystem. |
| 363 | ImpedancepatchescompatiblewithIBIRFgenerator. |
| 364 | Introducer sheath with hemostatic valve and locking hub(8F/8.5F,12cm). |
| 365 | Introducer sheath with 2 port hemostatic valve and locking hub(10&12F,12cm) |
| 366 | Introducer sheath with 3 port hemostatic valve and locking hub (12&14F,12cm) |
| 367 | Connector for radio frequency ablation catheter compatible with IBIR Fablator and catheter of any make |
| 368 | Radio frequency ablation catheter(unidirectionaldef.curve,6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector |
| 369 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cm insertion length, Single |

| | |
|---|---|
| | long Thermocouple Sensor compatible with Stockert ablator with connector |
| 370 | Irrigated tip ablation catheter,Polyurethane coating with bidirectional deflectable curve, 7Fr size with 3.5mm tipelectrode , 6 side-holes for open loop irrigation at the tipelectrode , 2-5-2 mm inter-electrode, spacing/115cminsertionlength,SingleThermocouple, Sensor, compatible with Stockert ablator with connector. |
| 371 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5F) with connector |
| 372 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro- |
| 373 | Connector for radio frequency ablation catheter compatible with IBIRF ablator and catheter of anymake |
| 374 | Connector for radio frequency ablation catheter compatible with Stocker tablatorandcatheterofanymake |
| 375 | Radio frequency ablation catheter (unidirectional deflectable. curve, 6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector. |
| 376 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7 Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cminsertion length, Single long Thermocouple Sensor compatible with Stockert ablator with connector. |
| 377 | Irrigated tip ablation catheter, Polyurethane coating with bi-directional deflectable curve, 7Fr size with 3.5mm tip electrode, 6 side-holes for open loop irrigation at the tipelectrode, 2-5-2 mm inter-electrode, spacing /115 cm insertion length, Single Thermocouple, Sensor, compatible with Stockert ablator with connector. |
| 378 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system (7.5F) with connector. |
| 379 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system (7.5F) with connector. |
| 380 | Pre-shape designed EPS catheter to map Crista Terminals (7F). |
| 381 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electro-anatomical mapping system (7F) |
| 382 | High Density Mapping Catheter, 5 Spline, 20 electrode compatible with magnetic based 3D electroanatomical mapping system(7F) |
| 383 | External disposable non-sterileg elelectrode compatible to magnetic-based 3D Mapping system. |
| 384 | In different Patch Electrode (Reusable) for Stockert with connecting cable |
| 385 | Tubing for Irrigated Catheters compatible with cool flow pump. |
| 386 | Fixed curve Quadripolar Electrophysiology catheter (allcurve,5-7F) with connector. |
| 387 | Fixed Quadripolar catheter Pre-curve shape for HIS position. |
| 388 | Deflectable Quadripolar Electrophysiology catheter (allcurve,5-7F) with connector. |
| 389 | Fixed curve Decapolar catheter for Coronary sinus mapping (all curve,5-7F) with connector. |
| 390 | Deflectable Decapolar catheter for Coronary sinus mapping (all curve,5-7F) with connector. |
| 391 | Duo Decapolar Electrophysiology Catheter-20 Poles with Connector. |
| 392 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) |
| 393 | EPS Connecting cable compatible with IBI ablator and J & J radiofrequency ablation catheter |
| 394 | Connecting cable for 4 mm ablation catheter of all curves compatible with existing Smart Ablate RF generator |
| 395 | Connecting cable for Magnetic sensor catheters compatible with 3D Carto3 mapping system |
| 396 | 4 mm RF ablation catheter 6-7 Fr all curves compatible with existing Smart Ablate RF generator |
| 397 | Irrigation Thermocool RF ablation catheter all curves compatible with existing Smart Ablate RF generator |
| 398 | Irrigation Bi-directional RF ablation catheter all curves compatible with existing Smart Ablate RF generator |
| 399 | 4 mm Bi-directional RF ablation catheter all curves compatible with existing Smart Ablate RF generator |

| | |
|---|---|
| 400 | Tubing for irrigation catheter compatible with existing Smart Ablate coolflow pump |
| 401 | Bi-directional irrigation tip navigation system catheters for mapping and ablation compatible with magnetic based Carto3 system |
| 402 | Navigational deflectable decapolar catheter for mapping and creating geometry compatible with Carto3 system |
| 403 | 7 Fr high density mapping catheter with 8 splines, sensor enabled compatible with magnetic based Carto3 system |
| 404 | Contact force sensing catheter with force direction vector, surround flow, with 56 holes, bi-directional movement, shaft visualization compatible with Carto3 mapping and RF ablation system |
| 405 | Deflectable decapolar catheter for CS, 5 Fr, push pull handle |
| 406 | Bi-Directional steerable Guiding sheath, 8.5 F, allows for sheath visualization on the Magnetic based 3D Mapping System map during a procedure without depending solely on fluoro, |
| 407 | Intracardiac echocardiography for Electrophysiology, four ways steering to 160-degree, French size: 10 F & 8 F, length: ≥90 cms, Have the ability to create the geometry of lefe side heart for right side, compatible with CARTO system. |
| 408 | 8F-Irrigated Bidirectional 16 Electrode ,2F Splines, 3 mm spacing , 1mm electrode size,High Density Sensor Enable Mapping CathterComaptible with Ensite Mapping system |
| 409 | Irrigated Bi- Directional ablation Catheter with Flexible tip 1-4-1, Symmetric and asymmetric option |
| 410 | Contact Force Sensor Enable Catheter with Fiber optic Technology for force detection 3.5 MM tip Electrode 8F , Six Saline irrigation hole, 2-2-2 ring spacing, |
| 411 | Cool Point Tubing Set for Irrigated RF Catheter with dedicated pressure sensor and compatible |
| 412 | IABP balloons with accessories for insertion, compatible with the existing Data scope CS300 machine (with required connector). Sizes available in 20, 24/25, 30/32, 34/36, 40 ml, Versatile, Optimal balloon diameter and lengths meet clinical demands (2.0 -5.0 mm diameters) (6.30mm, lengths) |
| 413 | Non-Complaint Balloon with diameter 2 mm to 5 mm. Length 06 to 30mm, Entry Profile < 0.016inch, Balloon should have good Hydrophilic Coating. RBP 20 atm, Metallic Marker, ultra – Low Crossing Profile to cross through stent struts and calcified lesions, Balloon Crossing Profile: from 0.029” up to 0.037”, 2 metallic platinum iridium radio paque markers. |
| 414 | High pressure non-compliant balloon with RBP 20 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges, Available Diameter(mm): 5.0, 5.5, 6.0,6.5,7.0, along with other available sizes, Length(mm):06 to 30 mm. |
| 415 | PTCA Pre-dilatation semi-compliant balloon, monorail/rapid exchange. Ultra-low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Specific technology used in the shaft for kink resistance, tip entry profile of <0.016” and crossing profile of <0.0220” in the smallest available size balloon. Diameters (mm): 1.0, 1.2/1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 2.75,3.0, Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to ≥20 mm in larger diameter balloons. |
| 416 | PTCA Pre-dilatation Semi Compliant Balloon with diameter <1.5mm to 5 mm. Length 10 mm to 40 mm, Entry Profile 0.017 inch, Crossing Profile .024 inches. Rapid exchange catheter (RX), Semi – compliant: 10-15 %, Compatible with 5F Guiding Catheter, 2 metallic platinum iridium radiopaque markers, NP: 6 ATM I RBP: 16 ATM, Metallic Marker. Hydrophilic Coating, |
| 417 | Material-PVC, PU, PTFE, Hydrophilic coated HDPE smooth flow and smooth interaction |
| 418 | Material-PC, PVC HDPE, ABS, Silicon content color know manifold, pm line, control syringe, iv sets, haemostatic y-connector, torque device, insertion tool, inflation device, introducer needle, HPT, syringe, contrast media sets, 3way stop cock, customized products |
| 419 | Material-PTFE, Pebax and Braided 304 stainless steel wire liner, Hydrophilic coated high strength flat wire mesh patient soft radiopaque and altraumatic soft tip for an easy passage without damaging the intima double inner mesh torque 1:1 enhance optimum push ability, stability, visibility |
| 420 | Material- SS, Nitinol, PTFE, Hydrophilic coated, double jacket wire torque 1:1 core to tip supportive proximal shaft increased push ability |
| 421 | Coronary microcatheter, Optimal flexibility, Outstanding trackability, Superior crossability and penetration capacity, Complete GUIDE WIRE control, Over the wire catheter (O T W), GUIDE WIRE Compatibility 0.014”, Usable catheter length 135 and 150cm, Radiopaque markers, Internal PTFE layer, Hydrophilic coating: 70 and 90 cm, |

| | |
|---|---|
| 422 | Thrombus extraction catheter, Aspiration Catheter 6 Fr with Aspiration capacity 1.80cc/s amdexyraction area 1.04mm2 Proximal and 0.89mm distal. Inner layer PTFE coated. Should offered with Stylet, Coating of the aspiration catheter Hydrophilic, Tip Entry Profile 0.021" , Crossing Profile 0.049" Working Catheter Length 140cm, Minimum Guide Catheter 6F, Markers 1 at the tip and 1 at 15 mm from the tip, Extraction area 1.04 mm2 proximal and 0.89 mm2 distal , Recommended GUIDE WIRE 0.014" , Catheter shaft (diameter) 1.4 mm = 4.2F proximal and 1.6 mm = 4.9F distal , Rapid exchange length 17.5 cm , Superior extraction capability: 0.99 mm2 ( 6F) – 1.39 mm2 ( 7F), PTFE inner layer specially designed to minimize friction and assure fast thrombus removal , 2 radiopaque markers ensure accurate positioning at all times. |
| 423 | Peripheral long balloon, semi compliant, various diameters of ≤4 to ≥8 mm. Length: ≤30 to ≥100 mm, Usable catheter length: 80Cm, 140cm, & 200cm, Crossing profile from 0.057" up to 0.083" OTW, GUIDE WIRE compatibility: 0.035". |
| 424 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. Tip profile: 0.019"max, Crossing profile: from 0.029" up to 0.057" (OTW) Usable Catheter lengths: 100cm, 14cm, or 150cm, Recommended GUIDE WIRE : 0.018" ( 0.014" compatible), |
| 425 | Paclitaxel drug coated / eluting coronary balloon. 2 Pt/Lr radiopaque markers, hydrophilic coating hydrax Plus. 2 distal shafts :2.6F (Ø < 3), 2.7F (Ø > 3.25), Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5,4.0,4.5, Length (mm) 12/15mm to > 40mm in various lengths. |
| 426 | USFDA & JAPAN PMDA APPROVED Intravascular Imaging catheter for detection of Lipid Core Plaques (LCP) and assessment of vessel structure with an automatically adjustable frequency bandwidth of 35-65 MHz depending on the need of the calcium with a pullback speed upto 2mm/sec and a pullback length if 150 mm. Catheter working length of 160 cm. USFDA, Japan PMDA, CE, DCGI |
| 427 | Japanese PMDA approved One-Touch release Inflation Device for quick deflation with minimal effort with Ergonomic handle designed for easy rotation during inflation and deflation. 25 mL syringe volume to address a full range of balloon sizes (both large and small) |
| 428 | Available in two stopcock varieties and two tubing lengths and Kink-resistant tubing. USFDA, Japan PMDA, CE, DCGI |
| 429 | Y connector with dual valve- one with push pull and other with screw type with ability to lock push and pull mechanism, with upto 10 Fr compatibility and above 3.25mm inner diameter and 90 mm length. USFDA, Japan PMDA, CE, DCGI |
| 430 | Should register pressures from VAC to 30 atmospheres (VAC to 441 psi) with a threaded plunger and locking switch which allow for the generation and sustaining of pressure and three way stop cock for use during preparation of the device and in conjunction with interventional devices. The pressure display glows in dark for easy visibility. Ergonomic and easy to use. |
| 431 | USFDA & JAPAN PMDA APPROVED Intravascular Imaging catheter for detection of Lipid Core Plaques (LCP) and assessment of vessel structure with an automatically adjustable frequency bandwidth of 35-65 MHz depending on the need of the calcium with a pullback speed upto 2mm/sec and a pullback length if 150 mm. Catheter working length of 160 cm. USFDA, Japan PMDA, CE, DCGI |
| 432 | Japanese PMDA approved One-Touch release Inflation Device for quick deflation with minimal effort with Ergonomic handle designed for easy rotation during inflation and deflation. 25 mL syringe volume to address a full range of balloon sizes (both large and small)Available in two stopcock varieties and two tubing lengths and Kink-resistant tubing. USFDA, Japan PMDA, CE, DCGI |
| 433 | Y connector with dual valve- one with push pull and other with screw type with ability to lock push and pull mechanism, with upto 10 Fr compatibility and above 3.25mm inner diameter and 90 mm length. USFDA, Japan PMDA, CE, DCGI |
| 434 | Should register pressures from VAC to 30 atmospheres (VAC to 441 psi) with a threaded plunger and locking switch which allow for the generation and sustaining of pressure and three way stop cock for use during preparation of the device and in conjunction with interventional devices. The pressure display glows in dark for easy visibility. Ergonomic and easy to use. |
| 435 | Impella Pump catheters with all accessories for use 2.25 liter pump |
| 436 | .014" Extra support One Piece core wire with jointless Spring coil with Sion Tech, having composite core with ACTONE Inside, lowest tip load .3g, length tip radiopacity 3cm, pre-shaped tip, 52 cm hydrophilic coating |

| | |
|---|---|
| 437 | PTCA Pre-dilatation non-compliant rapid exchange balloon with RBP more than 20atm, Hydrophilic coated on balloon and shaft & lowest crossing profile less than 0.020" for crossing difficult to cross CTO lesions, having smallest balloon size of 0.8±0.1 mm diameter and Length (mm): 6/8 to 10/15. |
| 438 | Mitral Valvoplasty double Lumen PTMC balloon with vent tube and no hole in the outer layer of the balloon, different sizes, without accessories. |
| 439 | Mitral Valvoplasty double Lumen PTMC balloon with vent tube and no hole in the outer layer of the balloon, different sizes, with all accessories. |
| 440 | Semi-complaint & Non-complaint paclitaxel coated drug eluting balloon |
| 441 | Intravascular Lithotripsy Intuitive Catheter with rapid exchange system for treating highly calcified lesions, - in various sizes and diameters |
| 442 | Intravascular Lithotripsy Intuitive Catheter with over the wire system for treating highly calcified lesions, - in various sizes and diameters |
| 443 | PTCA Pre-dilatation semi-compliant tapered balloon shape, monorail/rapid exchange. Ultra low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Tip entry profile of <0.016" in the smallest available size balloon. Radio-opaque marker for visibility.<br>Diameters (mm): 1.0, 1.2/1.25, 1.5, 2.0, 2.25, 2.5, 2.75, 3.0,3.5,4.0.<br>Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to ≥20 mm in larger diameter balloons. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 444 | High pressure Non-compliant PTCA balloon with RBP ≥20 to <30 ATM in all sizes; tapered balloon tip to 4mm with lowest shoulder angle to 32 deg;, hydrophilic coating.<br>Available diameters (mm): 1.5 to 4.5 mm including odd diameters 1.75, 2.25, 2.75, 3.25, 3.75, 4.25 mm in various lengths(mm): ≤10 mm to ≥20 mm.<br>(Only manufacturers/firms having all mentioned diameters and lengths will be considered.) |
| 445 | PTCA Pre-dilatation semi-compliant balloon with track plus tip technology minimizing flaring of tip in calcific lesions. |
| 446 | High pressure Non-compliant PTCA balloon with track plus tip technology minimizing flaring of tip in calcific lesions. |

| | **Devices (CEID) and related products. SECTION - III** |
|---|---|
| **Serial No.** | **Name of the Article with Specification** |
| 1 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible passive-fixation tined lead & lead introducer.<br>(Golden parameters:(i) introducer sheath size ≤6F(ii) Automatic capture) |
| 2 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible active-fixation screw-in lead & lead introducer.<br>(Golden parameters:(i) introducer sheath size ≤6F(ii) Automatic capture) |
| 3 | Digital multi-programmable pacemaker pulse generator.<br>Mode: single chamber: VVI/AAI.<br>Pulse generator compatible with above leads (Sl. No. 1 & 2) |
| 4 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatible with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible passive-fixation tined lead & lead introducer.<br>(Golden parameters: (i) introducer sheath size ≤6F,<br>(ii) 1.5 Tesla MRI compatibility(iii) Automatic capture) |

| | |
|---|---|
| 5 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatible with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible active-fixation screw in lead & lead introducer.<br>(Golden parameters: (i) introducer sheath size ≤6F,<br>(ii) 1.5 Tesla MRI compatibility(iii) Automatic capture) |
| 6 | Digital multi-programmable pacemaker pulse generator, 1.5 Tesla MRI compatible.<br>Mode: single chamber: VVI/AAI.<br>Pulse generator compatible with above leads (Sl. No. 4 & 5)<br>(Golden parameters: 1.5 Tesla MRI compatibility) |
| 7 | Digital multi-programmable pacemaker with lifetime warranty,<br>3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible passive-fixation tined lead & lead introducer.<br>(Golden parameters: (i) introducer sheath size ≤6F,<br>(ii) 3 Tesla MRI compatibility(iii) Automatic capture) |
| 8 | Digital multi-programmable pacemaker with lifetime warranty,<br>3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVI/AAI.<br>With ≤6F compatible active-fixation screw in lead & lead introducer.<br>(Golden parameters: (i) introducer sheath size ≤6F,<br>(ii) 3 Tesla MRI compatibility(iii) Automatic capture) |
| 9 | Digital multi-programmable pacemaker pulse generator,<br>3 Tesla MRI compatible.<br>Mode: single chamber: VVI/AAI.<br>Pulse generator compatible with above leads (Sl. No. 7 & 8)<br>(Golden parameters: 3 Tesla MRI compatibility) |
| 10 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) 1.5 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture) |
| 11 | Pulse generator only for serial number 10.<br>(Golden parameters: (i) 1.5 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF,(iv) Automatic capture) |

| | |
|---|---|
| 12 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF. With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer. (Golden parameters: (i) 3 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture). |
| 13 | Pulse generator only for serial number 12. (Golden parameters: (i) 3 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture) |
| 14 | Digital multi-programmable pacemaker with lifetime warranty Mode: Dual chamber VDD (with separate atrial and ventricular leads). With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. With advanced features like automatic AV search, to minimize RV pacing. With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers. (Golden parameters:(i) >10 year life with 100% pacing, (ii) automated AV search(iii) Automatic capture) |
| 15 | Pulse generator only for serial number 14. (Golden parameters:(i) >10 year life with 100% pacing, (ii) automated AV search(iii) Automatic capture) |
| 16 | Digital multi-programmable pacemaker with lifetime warranty Mode: Dual chamber VDD (with separate atrial and ventricular leads) with 1.5 Tesla MRI compatible. With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers. (Golden parameters(i)1.5 T MRI compatibility, (ii) introducer sheath size ≤6F) |
| 17 | Pulse generator only for serial number 16.(Golden parameters:1.5 T MRI compatibility) |
| 18 | Digital multi-programmable pacemaker with lifetime warranty Mode: Dual chamber VDD (with separate atrial and ventricular leads) with full body 3 Tesla MRI compatible. With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers. (Golden parameters: (i)3 T MRI compatibility, (ii) introducer sheath size ≤6F )) |
| 19 | Pulse generator only for serial number 18. (Golden parameters:3 T MRI compatibility) |
| 20 | Digital multi-programmable pacemaker with lifetime warrantywith Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: Dual chamber: DDD. With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers. (Golden parameters: (i) introducer sheath size ≤6F, (ii) Automatic capture) |
| 21 | Pulse generator only for serial number 20. |

| | |
|---|---|
| 22 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDD.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters (i)1.5 T MRI compatibility, (ii) introducer sheath size ≤6F, (iii) Automatic capture) |
| 23 | Pulse generator only for serial number 22.<br>(Golden parameters:1.5 T MRI compatibility) |
| 24 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDD.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters:(i) 3T MRI compatibility, (ii) introducer sheath size ≤6F, (iii) Automatic capture) |
| 25 | Pulse generator only for serial number 24.<br>(Golden parameters:3 T MRI compatibility) |
| 26 | Digital multi-programmable pacemaker with lifetime warrantywith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) |
| 27 | Pulse generator only for serial number 26.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) longevity of >10 years with 100% pacing of RA & RV, (iii) Automatic capture.) |
| 28 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) 1.5 T MRI (iv) Automatic capture) |
| 29 | Pulse generator only for serial number 28.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) 1.5 T MRI(iii) Automatic capture) |

| | |
|---|---|
| 30 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) 3 T MRI (iv) (iii) Automatic capture) |
| 31 | Pulse generator only for serial number 30.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) 3 T MRI, (iii) Automatic capture) |
| 32 | Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath. Device with all leads (passive tined or active screwing) and introducers. |
| 33 | Pulse generator for serial no. 32 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead). |
| 34 | Biventricular cardiac resynchronization (CRT-P) device with bipolar LV lead, 1.5 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath. Device with all leads (passive tined or active screwing) and introducers. |
| 35 | Pulse generator for serial no. 34 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead, 1.5 T MRI compatible). |
| 36 | Biventricular cardiac resynchronization (CRT-P) device with bipolar LV lead, full body 3 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath. Device with all leads (passive tined or active screwing) and introducers. |
| 37 | Pulse generator for serial no. 36 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead, 3 T MRI compatible). |
| 38 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath. Device with all leads (passive tined or active screwing) and introducers. |
| 39 | Pulse generator for serial no. 38 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead). |

| | |
|---|---|
| 40 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 1.5 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 41 | Pulse generator for serial no. 40 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 1.5 T MRI compatible). |
| 42 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, full body 3 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 43 | Pulse generator for serial no. 42 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 3 T MRI compatible). |
| 44 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 45 | Pulse generator for serial no. 44 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead). |
| 46 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 1.5 Tesla MRI compatible. Device with all leads (passive tined or active screwing) and introducers. |
| 47 | Pulse generator for serial no. 46 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 1.5 T MRI compatible). |
| 48 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 49 | Pulse generator for serial no. 48 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 3 T MRI compatible). |
| 50 | Combo device (CRT-D) with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 51 | Pulse generator for serial no. 50 (Combo device (CRT-D) with bipolar LV lead.) |
| 52 | Combo device (CRT-D) with bipolar LV lead. 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 53 | Pulse generator for serial no. 52 (Combo device (CRT-D) with bipolar LV lead. 1.5 Tesla MRI compatible.) |
| 54 | Combo device (CRT-D) with bipolar LV lead. Full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 55 | Pulse generator for serial no. 54 (Combo device (CRT-D) with bipolar LV lead. 3 Tesla MRI compatible.) |
| 56 | Combo device (CRT-D) with bipolar LV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 57 | Pulse generator for serial no. 56. |

| | |
|---|---|
| 58 | Combo device (CRT-D) with bipolar LV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead. Device with all leads (passive tined or active screwing) and introducers. |
| 59 | Pulse generator for serial no. 58 |
| 60 | Combo device (CRT-D) with bipolar LV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 61 | Pulse generator for serial no. 60 |
| 62 | Combo device (CRT-D) with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 63 | Pulse generator for serial no. 62 (Combo device (CRT-D) with Quadripolar LV lead.) |
| 64 | Combo device (CRT-D) with Quadripolar LV lead. 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 65 | Pulse generator for serial no. 64 (Combo device (CRT-D) with Quadripolar LV lead. 1.5 Tesla MRI compatible.) |
| 66 | Combo device (CRT-D) with Quadripolar LV lead. Full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 67 | Pulse generator for serial no. 66 (Combo device (CRT-D) with Quadripolar LV lead. 3 Tesla MRI compatible.) |
| 68 | Combo device (CRT-D) with Quadripolar LV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 69 | Pulse generator for serial no. 68 |
| 70 | Combo device (CRT-D) with Quadripolar LV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 71 | Pulse generator for serial no. 70 |
| 72 | Combo device (CRT-D) with Quadripolar LV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 73 | Pulse generator for serial no. 72 |
| 74 | Combo device (CRT-D) with bipolar LV lead, with DF-4 connector of RV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 75 | Pulse generator for serial no. 74 |
| 76 | Combo device (CRT-D) with bipolar LV lead, DF-4 connector of RV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 77 | Pulse generator for serial no. 76 |

| | |
|---|---|
| 78 | Combo device (CRT-D) with bipolar LV lead, DF-4 connector of RV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 79 | Pulse generator for serial no. 78 |
| 80 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 81 | Pulse generator for serial no. 80 |
| 82 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 83 | Pulse generator for serial no. 82 |
| 84 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead, full body 3T MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 85 | Pulse generator for serial no. 84 |
| 86 | Combo device (CRT-D) with epicardial LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 87 | Pulse generator for serial no. 86 |
| 88 | Combo device (CRT-D) with epicardial LV lead, 1.5 Tesla MRI compatible. Device with all leads (passive tined or active screwing) and introducers. |
| 89 | Pulse generator for serial no. 88 |
| 90 | Combo device (CRT-D) with epicardial LV lead, full body 3T MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 91 | Pulse generator for serial no. 90 |
| 92 | Implantable cardioverter defibrillator: Single chamber.<br>Device with lead (passive tined or active screwing) |
| 93 | Pulse generator for serial no. 92 (Implantable cardioverter defibrillator: Single chamber.) |
| 94 | Implantable cardioverter defibrillator: Single chamber, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) |
| 95 | Pulse generator for serial no. 94 (Implantable cardioverter defibrillator: Single chamber, 1.5 T MRI compatible.) |
| 96 | Implantable cardioverter defibrillator: Single chamber, full body 3T MRI compatible.<br>Device with lead (passive tined or active screwing) |
| 97 | Pulse generator for serial no. 96 (Implantable cardioverter defibrillator: Single chamber, 3 T MRI compatible.) |
| 98 | Implantable cardioverter defibrillator: Single chamber with DF-4 header.<br>Device with lead (passive tined or active screwing) and introducers. |
| 99 | Pulse generator for serial no. 98 (Implantable cardioverter defibrillator: Single chamber with DF-4 header) |

| | |
|---|---|
| 100 | Implantable cardioverter defibrillator: Single chamber with DF-4 header, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducers. |
| 101 | Pulse generator for serial no. 100 (Implantable cardioverter defibrillator: Single chamber with DF-4 header, 1.5 T MRI compatible.) |
| 102 | Implantable cardioverter defibrillator: Single chamber with DF-4 header, full body 3T MRI compatible.<br>Device with lead (passive tined or active screwing) and introducers. |
| 103 | Pulse generator for serial no. 102 (Implantable cardioverter defibrillator: Single chamber with DF-4 header, 3 T MRI compatible.) |
| 104 | Implantable cardioverter defibrillator: Dual chamber.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 105 | Pulse generator for serial no. 104 (Implantable cardioverter defibrillator: Dual chamber.) |
| 106 | Implantable cardioverter defibrillator: Dual chamber, 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 107 | Pulse generator for serial no. 106 (Implantable cardioverter defibrillator: Dual chamber, 1.5 T MRI compatible.) |
| 108 | Implantable cardioverter defibrillator: Dual chamber, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 109 | Pulse generator for serial no. 108 (Implantable cardioverter defibrillator: Dual chamber, 3 T MRI compatible.) |
| 110 | Implantable cardioverter defibrillator: Dual chamber. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 111 | Pulse generator for serial no. 110 |
| 112 | Implantable cardioverter defibrillator: Dual chamber, 1.5 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 113 | Pulse generator for serial no. 112 |
| 114 | Implantable cardioverter defibrillator: Dual chamber, full body 3 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 115 | Pulse generator for serial no. 114 |
| 116 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 117 | Pulse generator for serial no. 116 |
| 118 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header, with 1.5 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |

| | |
|---|---|
| 119 | Pulse generator for serial no. 118 |
| 120 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header, with full body 3 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 121 | Pulse generator for serial no. 120 |
| 122 | Subcutaneous ICD.<br>Device with lead and all accessories for implantation |
| 123 | Pulse generator for serial no. 122 |
| 124 | MRI compatible subcutaneous ICD.<br>Device with lead and all accessories for implantation |
| 125 | Pulse generator for serial no. 124 |
| 126 | Permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). |
| 127 | 1.5 Tesla MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). |
| 128 | 3 Tesla full body MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). |
| 129 | Permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in lead**) with IS-1 header with the introducer sheath and puncture set (PLI). |
| 130 | 1.5 Tesla MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in** lead) with IS-1 header with the introducer sheath and puncture set (PLI). |
| 131 | 3 Tesla full body MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in** lead) with IS-1 header with the introducer sheath and puncture set (PLI). |
| 132 | Unipolar, MRI compatible, epicardial permanent screw-in pacing lead, steroid eluting, IS-1 header with the deploying kit and introducer set. |
| 133 | Bipolar, MRI compatible, epicardial permanent screw-in pacing lead, steroid eluting, IS-1 header with the deploying kit. |
| 134 | MRI compatible short (45±3 cm) endocardial bipolar pacing lead with introducer sheath and puncture set (PLI). |
| 135 | Only introducer kit for endocardial RA/RV/ICD leads (without leads), 6F, 7F, 8F. |
| 136 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-1 header, with the introducer kit and puncture set (PLI). Tined end |
| 137 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-1 header, with the introducer kit and puncture set (PLI). Screw in lead |
| 138 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 1.5 Tesla full body MRI compatible.<br>Tined lead |

| | |
|---|---|
| 139 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 1.5 Tesla full body MRI compatible.<br>Screw lead |
| 140 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 3 Tesla full body MRI compatible.<br>Tined lead |
| 141 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 3 Tesla full body MRI compatible.<br>Screw lead |
| 142 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, with DF-4 header, with the introducer kit and puncture set (PLI).<br>Tined end |
| 143 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, with DF-4 header, with the introducer kit and puncture set (PLI).<br>Screw end |
| 144 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible.<br>Tined end |
| 145 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible.<br>Screw end |
| 146 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible.<br>Tined end |
| 147 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible.<br>Screw end |
| 148 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI). |
| 149 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible. |
| 150 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. |
| 151 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI). |
| 152 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible. |
| 153 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. |
| 154 | Quadripolar endocardial LV lead for multisite pacing with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. |
| 155 | CS cannulation kit only (without the LV lead) with all accessories like sheath, puncture needle, syringe, 0.035” long guidewire. |

| | |
|---|---|
| 156 | External event recording of upto one week of arrhythmic events, portable, easy to operate with 1/3 lead system and easy operation by patient/relatives at home. |
| 157 | Patch type External event recorder, disposable, wireless, easy to use smart biosensor, shower-proof for recording upto one week of arrhythmic events, and easy operation by patient/relatives at home. |
| 158 | Implantable event/loop recorder for recording of arrhythmic events for prolong period of upto 2 years. |
| 159 | Digital multi-programmable pacemaker with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: VVIR<br>Device with lead and all accessories |
| 160 | Pulse generator for serial no. 159 |
| 161 | Digital multi-programmable pacemaker with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: DDDR<br>Device with leads and all accessories |
| 162 | Pulse generator for serial no. 161 |
| 163 | CRT-D with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: CRT-D with bipolar LV lead<br>Device with leads and all accessories |
| 164 | Pulse generator for serial no. 163 |
| 165 | CRT-D with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: CRT-D with Quadripolar LV lead<br>Device with leads and all accessories |
| 166 | Pulse generator for serial no. 165 |
| 167 | Single chamber ICD with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: ICD (single chamber)<br>Device with leads and all accessories |
| 168 | Pulse generator for serial no. 167 |

| | |
|---|---|
| 169 | Dual chamber ICD with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: ICD (Dual chamber)<br>Device with leads and all accessories |
| 170 | Pulse generator for serial no. 169 |
| 171 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 172 | Pulse generator for serial no. 171 |
| 173 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 174 | Pulse generator for serial no. 173 |
| 175 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 176 | Pulse generator for serial no. 175 |
| 177 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead. DF-4 RV lead<br>Device with all leads (passive tined or active screwing) and introducers. |
| 178 | Pulse generator for serial no. 177 |
| 179 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, DF-4 RV lead, 1.5 Tesla MRI compatible<br>Device with all leads (passive tined or active screwing) and introducers. |
| 180 | Pulse generator for serial no. 179 |
| 181 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, DF-4 RV lead, 3 Tesla full body MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc).<br>Device with all leads (passive tined or active screwing) and introducers. |
| 182 | Pulse generator for serial no. 181 |
| 183 | Digital multi-programmable pacemaker with limited warranty for 10 years.<br>Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF and with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) Automatic capture) |
| 184 | Pulse generator for serial no. 183 |

| | |
|---|---|
| 185 | Digital multi-programmable pacemaker with limited warranty for 10 years, 1.5 Tesla MRI compatible.<br>Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 1.5 T MRI compatibility, (iv) Automatic capture) |
| 186 | Pulse generator for serial no. 185 |
| 187 | Digital multi-programmable pacemaker with limited warranty for 10 years, full body 3 Tesla MRI compatible.<br>Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 3 T MRI compatibility,(iv) Automatic capture) |
| 188 | Pulse generator for serial no. 187 |
| 189 | Digital multi-programmable pacemaker with limited warranty for 10 years.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF,(iv) Automatic capture) |
| 190 | Pulse generator for serial no. 189 |
| 191 | Digital multi-programmable pacemaker with limited warranty for 10 years, 1.5 Tesla MRI compatible.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 1.5 T MRI compatibility, (iv) Automatic capture) |
| 192 | Pulse generator for serial no. 191 |

| | |
|---|---|
| 193 | Digital multi-programmable pacemaker with limited warranty for 10 years, full body 3 Tesla MRI compatible.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 3 T MRI compatibility,(iv) Automatic capture) |
| 194 | Pulse generator for serial no. 193 |
| 195 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec,(iv) Automatic capture) |
| 196 | Pulse generator for serial no. 195 |
| 197 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV.<br>1.5 Tesla MRI compatibleand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec, (iv) 1.5 T MRI compatible,(v) Automatic capture) |
| 198 | Pulse generator for serial no. 197 |
| 199 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand with Automatic capture facility for rescue pacing and automatic lead polarity switch.Full body 3 Tesla MRI compatible.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec, (iv) 3 T MRI compatible, (iv) Automatic capture) |
| 200 | Pulse generator for serial no. 199 |

| | |
|---|---|
| 201 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV and with closed loop stimulation.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) |
| 202 | Pulse generator for serial no.201 |
| 203 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV and with minute ventilation sensor.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) |
| 204 | Pulse generator for serial no.203 |
| 205 | Implantable cardioverter defibrillator: VDD with single lead.<br>Device with lead (passive tined or active screwing) and introducer set. |
| 206 | Pulse generator for serial no. 205 |
| 207 | Implantable cardioverter defibrillator: VDD with single lead, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducer set. |
| 208 | Pulse generator for serial no. 207 |
| 209 | "Implantable cardioverter defibrillator: VDD with single lead, full body 3 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducer set. |
| 210 | Pulse generator for serial no. 209 |
| 211 | Leadless pacemaker with all accessories for implantation. |
| 212 | 3 Tesla & / 1.5 Tesla full body MRI conditional Multi-programmable, Quadripolar lead, auto capture management for RA,RV & LV, Automatic atrial anti tachy therapies, Heart failure diagnostics with trans thoracic fluid impedance measurement and rate drop response, multi-site/multipoint pacing CRT-P. |
| 213 | Pulse generator for serial no. 212 |
| 214 | 3 Tesla & / 1.5 Tesla full body MRI conditional Multi-programmable, Quadripolar lead, auto capture management for RA,RV & LV, Automatic atrial anti tachy therapies, Heart failure diagnostics with trans thoracic fluid impedance measurement and rate drop response, multi-site/multipoint pacing CRT-D. |
| 215 | Pulse generator for serial no. 214 |
| 216 | DDDR pacemaker with rate response, AF diagnostic and heart failure management. |
| 217 | Pulse generator for serial no. 216 |
| 218 | 3.0 Tesla DDDR pacemaker with auto rate response, AF diagnostic and heart failure management. |
| 219 | Pulse generator for serial no. 218 |

| | |
|---|---|
| 220 | His bundle pacing system<br>A) Complete system with leads<br>B) IPG only<br>C) His bundle lead only |
| 221 | Pulse generator for serial no. 220 |
| 222 | 3 Tesla MRI compatible His bundle pacing system<br>A) Complete system with leads<br>B) IPG only<br>C) His bundle lead only |
| 223 | Pulse generator for serial no. 222 |
| 224 | Adaptor for old pacing lead to IS-I Compatible |
| 225 | Latex free compression set with soft material for pacemaker/ICD implantation after care. |
| 226 | Implantable cardioverter defibrillator: Single chamber. With 8 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with lead (passive tined or active screwing) and introducer set. |
| 227 | Pulse generator for serial no. 226 |
| 228 | "Implantable cardioverter defibrillator: Single chamber, 3 Tesla MRI compatible. With 8 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with lead (passive tined or active screwing) and introducer set. |
| 229 | Pulse generator for serial no. 228 |
| 230 | Implantable cardioverter defibrillator: Dual chamber with 5 years full warranty plus 3 years warranty on pro-rata basis. Device with all leads (passive tined or active screwing) and introducers. |
| 231 | Pulse generator for serial no. 230 |
| 232 | Implantable cardioverter defibrillator: Dual chamber, 3 Tesla MRI compatible. With 5 years full warranty plus 3 years warranty on pro-rata basis.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 233 | Pulse generator for serial no. 232 |
| 234 | Combo device (CRT-D) with Quadripolar LV lead, with 4 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with all leads (passive tined or active screwing) and introducers. |
| 235 | Pulse generator for serial no. 234 |
| 236 | Combo device (CRT-D) with Quadripolar LV lead, with 4 years full warranty plus 2 years warranty on pro-rata basis. 3 Tesla MRI compatible<br>Device with all leads (passive tined or active screwing) and introducers. |
| 237 | Pulse generator for serial no. 236 |
| 238 | Lead locking Device for lead extraction with sleek profile, platinum iridium tip design, a working range of 0.015” – 0.023” and a working length of 65 cm. USFDA, CE, DCGI |
| 239 | Mechanical Rotating Dilator for lead extraction with an atraumatic tip, shielded dilating blade, bidirectional mechanism and a flexible shaft available in 9F, 11F and 13F diameters and a working length of 47.5 cm. USFDA, CE, DCGI |

**Due to the restriction in the BOQ format of CPP, the price for pulse generator and doc/extension wire shall be quoted based on the respective serial number mentioned in Annexure 4 and 11 in the tender document.**

**Annexure-05**

# MANUFACTURER'S AUTHORIZATION FORM

**No.** _____ **Dated** _____

**To**

_____
_____
_____
_____

**Dear Sir,**

**Bid Ref. No.** _____

We _____ who are established and reputable manufacturers of _____ having factories at _____ Registered office at_____ possessing Manufacturing Licence No. _____, dated_____, valid upto _____ (copy enclosed) do hereby authorize M/s_____ (Name and Address of Representative) to submit a bid, and subsequently negotiate and sign the contract with you against the above mentioned tender.

No company or Firm or individual other than M/s _____ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the tender conditions for the goods offered for supply against this invitation for bid by the above firm.

Your faithfully,

(Name )

For and on behalf of M/s _____

(Name of Manufacturers)

**Note :** This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

**For and behalf of the firm**
**(Firm Name & Address)**

**Annexure 06**

# LIST OF QUOTED PRODUCT

| Sl No | Sl. no as per Tender | Name of Items | Manufactured by |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

**Annexure 07**

## Category details of organization

| SL No. | Description | Yes/No |
|---|---|---|
| 1. | *Whether the organization belongs to the MSE category | |
| 2. | *If yes whether the organization belongs to MSE category | |
| 3. | *Whether the MSE organization belongs to SC/ST entrepreneur. | |
| 4. | *Whether the MSE organization belongs to woman entrepreneur. | |
| 5 | Whether the MSE organization is registered under MSE Type of Enterprise **'Trading'** | |

***Kindly furnish the copies of documents supporting your above claim along with this Annexure duly filled.**

***The Udyog Aadhar no of the bidder ……..**

**(Self-attested copy of Udyog Aadhar registration certificate should be submitted along with the technical bid)**

**Date:**

**Place:**

**Signature of the Bidder:**

**Name with seal:**
**Designation:**
**Address:**

**Annexure 08**

To,

Associate Vice President (SD)
HLL Lifecare Limited,
HLL Bhavan, Poojappura,
Thiruvananthapuram -695012 Kerala, India
Tel: 0471 2775500, 0471 2350959 (EXTN - 606 /531)
Website – www.lifecarehll.com

## INDEMNITY CERTIFICATE

Dear Sir,

As a supplier to HLL, the indemnifier assumes liability for and irrevocably agrees to indemnify, defend and hold harmless Government of India and HLL Lifecare Limited, its Affiliates, shareholders, officers, directors, employees, agents, and their respective successors and assigns from and against any and all losses, damages, claims, actions, liabilities, proceedings, injury, cost or expenses (including counsel's fees of whatsoever kind of nature arising out of or in any way connected with the licenses granted or the manufacture of the products or out of any defect (whether obvious or hidden) in the products or arising from the indemnifier's failure to comply with applicable laws.

Dated this [insert: number] day of [insert: month], [insert: year].

Signature.....

Name.....

Full Address with contact person Name, Phone number and Email

Designation and Common Seal...

**Annexure 09**

## CHECK LIST

| Sl No | PARTICULAR OF DOCUMENT | ATTACHED / NOT ATTACHED | PAGE NO | Remarks |
|---|---|---|---|---|
| 1 | Forwarding letter indicating the submission of Technical documents along with check list of document | | | |
| 2. | EMD/ Tender Fee in the form of BG/DD (copy of the NEFT/RTGS details) | | | |
| 3 | Tender document duly signed and stamped in all pages along with corrigendum if Any) | | | |
| 4 | Duly attested copies of manufacturing license along with product list highlighting the quoted product | | | |
| 5 | BIS / ISO / CE certificate for the quoted products to be submitted | | | |
| 6 | Authorized Licenses to be issued by the competent authorities / CDSCO as the case may be in accordance with the requirements of Dugs and Cosmetics Act issued by the competent authority as amended time to time. | | | |
| 7 | Copy of Udyog Aadhaar, in case of MSE bidders | | | |
| 8 | Authenticated copy of the Memorandum of Association/Articles of Association / Partnership deed etc and certificates of incorporation/ registration of the organization with details of Name, Address, Tel. No., Fax No., E-mail Address of firm and the M. Director / Partner / Proprietor | | | |
| 9 | Documentary proof attested by Charted Accountant for establishing the average annual turnover of Original Manufacturers having a minimum average annual turnover of Rs.1 Crores (Rupees One Crores only) during the last three years i.e. 2021-22, 2022-23 and 2023-2024 (Original/ provisional). In case of Authorized agents they must submit the documentary proof attested by Charted Accountant for minimum average turnover in the last three years i.e., 2021-22, 2022-23 and 2023-2024 (Original/ provisional) is Rs.50 Lakh (Rupees Fifty lakh only). And documentary proof attested by Charted Accountant for establishing their Principal manufacturers meets the eligibility criteria for original manufacturer as specified above. In case of bid by authorized agents, manufacturers authorization form must be attached with the bid submitted | | | |
| 10 | Copy of self-certified Non conviction certificate from bidder and manufacturer | | | |
| 11 | Power of Attorney in stamp paper (RS.200/-) duly notarized authorizing the signatory to sign the bids and transact business. | | | |
| 12 | Authorization letter from manufacturer (Self–attested Copy). | | | |
| 13 | Annexure 1 - Self Declaration | | | |
| 14 | Annexure 2 - Bid Form | | | |
| 15 | Annexure 3 - Under taking letter for replacement of complaint/defective goods | | | |
| 16 | Annexure 4 – Product List | | | |
| 17 | Annexure 5 - Manufacture Authorization Form (if applicable) | | | |
| 18 | Annexure 6 - List of Quoted Product | | | |
| 19 | Annexure 7 - Category details of Organization | | | |
| 20 | Annexure 8 - Indemnity Certificate | | | |
| 21 | Annexure 9 - Check List | | | |
| 22 | Annexure 10 – Compliance To Rule 144 (XI) of GFR 2017 (Self Declaration) | | | |
| 23 | Annexure 11 – Technical Compliance Sheet | | | |
| 24 | Annexure 12 - Make In India Preference (Self Declaration) | | | |
| 25 | Annexure 13 – Pre Contract Integrity Pact | | | |
| 26 | Annexure 14- Fall Clause Declaration | | | |
| 27 | Copy of PAN Card & GSTN details | | | |

**Annexure 10**

## SELF DECLARATION – COMPLIANCE TO RULE 144 (XI) OF GFR 2017

We,

……

……

…….

**(Include name and address of the bidder)**

Hereby declare that we are eligible to bid for the tender: ……..……

**(Include tender number and date)**

As per the eligibility stipulated by Government Order no F.No.6/18/2019-PPD dated 23-July-2020 inclusive of the latest amendments regarding insertion of rule 144(Xi) in the General Financial Rules (GFR) 2017, issued by Ministry of Finance, Government of India.

We are aware that any bidder indenting to participate in this tender who is from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority as per the GO.

Date:
Place:

Signature of the Bidder:

Name with seal:

Designation:

Address:

**Annexure 11**

## TECHNICAL SPECIFICATION COMPLIANCE SHEET

The detailed technical specification for the products required as per the tender is given in the ITB section of this tender document. The bidder has to submit the compliance to the Technical specification as per the below table.

| | **Implants and related products (Section I)** | |
|---|---|---|
| **Serial. No.** | **Name of the Article with Specification** | **100% Technically complied (Yes / No) Supporting Document to be submitted** |
| 1 | Sirolimus drug coated/eluting coronary balloon.<br>A001 Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5, 4.0.<br>Length (mm) 12/15 mm to≥40 mm in various lengths. | |
| 2 | Paclitaxel drug coated/eluting coronary balloon.<br>Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5, 4.0.<br>Length (mm) 12/15 mm to ≥40 mm in various lengths. | |
| 3 | Paclitaxel coated/eluting peripheral balloons, various diameters of 4 – 7 mm, 0.035" compatible, available in long lengths from ≤40 mm to ≥200 mm. | |
| 4 | Aortic stent graft, cylindrical, self-expandable, Diameter 20->30 mm, various lengths, with delivery system. | |
| 5 | Aortic stent graft, bifurcated with extension, self-expandable, Diameter 20->30 mm, various lengths, with delivery system. | |
| 6 | Coronary stent Graft with PTFE sandwiched between two layers of metallic stents.<br>Diameter 2.5/2.8 -to-4/5 mm, various lengths. | |
| 7 | Coronary stent Graft with elastic membrane based on single layer of ultrathin strut stent of cobalt-chromium platform.<br>Diameter 2.5-to-4/5 mm, various lengths. | |
| 8 | Peripheral stent Graft, self expanding, various diameter and lengths with low profile various length and diameter. | |
| 9 | Peripheral stent Graft, balloon expanding, various diameter and lengths with low profile. | |
| 10 | Fully covered stent graft, possible to cross the joint in SFA and across AV fistulas, 0.035" compatible. Diameter of ≤5 to ≥10 mm and length from ≤20 mm to ≥120 mm. | |
| 11 | Peripheral covered stents with single layer peripheral stent, with Hybrid cell design, made of cobalt chromium, ePTFE covered, OTW, 0.035" compatible, 6 to 10 mm diameter, and length from ≤15 to ≥60 mm. | |
| 12 | Balloon pre-mounted open cell Cobalt Chromium coronary stent. Strut thickness 65 micron or less, entry profile 0.017" or less with lowest shaft profile. Various diameters of 2.5 to 4 mm and length available upto ≥38 mm. | |
| 13 | Balloon pre-mounted open cell stainless steel coronary stent. Small strut thickness, with lowest shaft profile, 5F guide compatible. Various diameters of 2.5 to 4 mm and length available upto ≥38 mm. | |
| 14 | IVC filter –permanent. | |
| 15 | Permanent IVC filter, MRI compatible. | |
| 16 | PDA closure device, Diameter of all sizes, device only. | |
| 17 | PDA closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 18 | 3 Tesla MRI compatible PDA closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 19 | PDA closure device, Having aortic retention disc diameter ≥30 mm (aortic disc diameter ≥24 mm), with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |

| | | |
|---|---|---|
| 20 | PDA closure device made of Nitinol coated with platinum, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 21 | Symmetrical PDA closure device with discs on both sides, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath (4/5/6/7 F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer and small size sheath of 4/5 F should be available. | |
| 22 | Muscular VSD closure device, different sizes, device only. | |
| 23 | Muscular VSD closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 24 | Muscular VSD closure device, 3 Tesla MRI compatible, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 25 | Muscular VSD closure device (post-infarction), device only. | |
| 26 | Muscular VSD closure device (post-infarction), Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 27 | ASD closure device, device only. | |
| 28 | ASD closure device, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 29 | ASD closure device, 3 Tesla MRI compatible, Diameter of all sizes, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 30 | ASD closure device, available in all diameters including >40 mm, with delivery kit containing all accessories for deployment containing i) delivery sheath with back bleed prevention hemostatic valve and side port (6/7/8/9/10/12/14F), ii) dilator, iii) delivery cable, iv) loader. The delivery kit from same manufacturer. | |
| 31 | Amplatzer vascular plug type 1. All available sizes. | |
| 32 | Amplatzer vascular plug type 2. All available sizes. | |
| 33 | Amplatzer vascular plug type 3. All available sizes. | |
| 34 | Amplatzer vascular plug type 4. All available sizes. | |
| 35 | Dedicated device for paravalvular leak closure with delivery system, repositionable and retrievable device, available in various dimensions and shape. Should be supplied with all accessories and components for deployment. | |
| 36 | Balloon mounted renal stent, 0.018" compatible, various diameters of 5mm, 6mm, 7mm, 8mm and various length of 10-12 mm to 18-20 mm. | |
| 37 | Self-expanding Nitinol carotid stent, monorail, 0.014" Guide wire compatible, tapered end, various length and diameters. | |
| 38 | Self-expanding Nitinol carotid stent, monorail, 0.014" Guide wire compatible, tapered end, Closed cell design in the middle part and open cell design in the edges, various length and diameters. | |
| 39 | Self-expanding Nitinol carotid stent, monorail, 0.014" Guide wire compatible, cylindrical, various length and diameters. | |
| 40 | Self-expanding Nitinol peripheral stent ≤5 mm to ≥8 mm diameter, Various length of ≤30 mm to ≥100 mm, OTW, 0.035" guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size.<br>Available in 80/85 cm, 120/125 cm, 150/155 cm shaft length. | |
| 41 | Self-expanding Nitinol peripheral stent ≤6 mm to ≥ 10 mm diameter, Various length of ≤30 mm to ≥100 mm, OTW, 0.035" guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size.<br>Available in 80/85 cm, 120/125 cm, 150/155 cm shaft length. | |
| 42 | Self-expanding Nitinol peripheral stent ≤6 mm to ≥8 mm diameter, available in long lengths of up to ≥200 mm, OTW, 0.035" guidewire compatibility.<br>Largest diameter stent compatible with 7F sheath size. | |

| | | |
|---|---|---|
| 43 | Self-expanding Nitinol peripheral stent ≤4 to 7 mm diameter, Various length of upto ≥200 mm, 6F guide compatible and guide wire compatibility of 0.018". | |
| 44 | Self-expanding Nitinol peripheral stent ≤4 to 7 mm diameter, Various length of upto ≥200 mm, 6F guide compatible, 0.035" guidewire compatible, OTW. | |
| 45 | Self-expanding peripheral stent ≤5 mm to ≥ 7 mm diameter, Various length of up to ≥160 mm, OTW, 0.035" guidewire compatibility. Having additional feature of extreme kink resistance at $360^0$ twitch.<br>Largest diameter stent compatible with 6F sheath size. | |
| 46 | Self-expanding peripheral stent ≤6 mm to ≥ 14 mm diameter, Various length of up to ≥120 mm, OTW, 0.035" guidewire compatibility with Hybrid Cell design.<br>Largest diameter stent compatible with 6F sheath. | |
| 47 | Balloon expandable metallic peripheral stent ≤5 to ≥10 mm diameter, ≤20 mm to ≥60 mm length, 0.035" wire compatible, OTW. Largest diameter compatible with 8 F sheath. Available in 80/85 cm, 130/135 cm shaft length. | |
| 48 | Balloon expandable cobalt-chromium peripheral stent ≤5 to ≥10 mm diameter, 20->60 mm length, 0.035" wire compatible, OTW.<br>Available in 80/85 cm, 130/135 cm shaft length. | |
| 49 | Balloon expandable metallic peripheral stent ≤8/9 to ≥13/14 mm diameter, ≤20 mm to ≥60 mm length, 0.035" wire compatible, OTW. Largest diameter compatible with 9 F sheath. Available in 80/85 cm, 130/135 cm shaft length. | |
| 50 | Self-Expandable Nitinol Aortic stent Diameter 8-24 mm, length 30-80mm. | |
| 51 | Self-Expandable covered Aortic stent Diameter 8-24 mm, length 30-80mm. | |
| 52 | Myocardial Embolic Protection device for SVG. 3-7mm diameter. | |
| 53 | Filter type Rapid Exchange Cerebral protection device compatible with 0.014" wire, 4-8 mm diameter. | |
| 54 | Basket type Rapid Exchange Cerebral protection device compatible with 0.014" wire, 4-8 mm diameter. | |
| 55 | Spider type rapid exchange embolic protection device, deliverable over already placed 0.014" Guidewire, having monorail technology for deployment, 3 to 7 mm diameter. | |
| 56 | Proximal (balloon based) cerebral protection device for carotid intervention with all accessories | |
| 57 | Sirolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 58 | Everolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 59 | Zotarolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 60 | Sirolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 61 | Everolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 62 | Zotarolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with biodegradable polymer, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 63 | Sirolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 64 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 65 | Zotarolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 66 | Sirolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter | |

| | | |
|---|---|---|
| | compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 67 | Everolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 68 | Zotarolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with uniform small strut thickness of 60 µm in all diameters, 5F guide catheter compatible with diameter available from 2.25 mm to 4.0 mm and length available up to ≥48 mm in all diameters. | |
| 69 | Sirolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 70 | Everolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 71 | Zotarolimus coated drug eluting coronary stent. Open cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 72 | Sirolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 73 | Everolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 74 | Zotarolimus coated drug eluting coronary stent. Hybrid cell design, Cobalt-chromium platform with strut thickness of 55 µm, biodegradable polymer, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 75 | Sirolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 76 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 77 | Zotarolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 78 | Sirolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 79 | Everolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 80 | Zotarolimus coated drug eluting coronary stent, Hybrid cell design, Cobalt-chromium platform with ultra-small strut thickness of upto 50 µm, 5F guide catheter compatible with variable diameter and length available up to ≥48 mm. | |
| 81 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, biostable polymer, 5F guide catheter compatible, different length and diameter. | |
| 82 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, 5F guide catheter compatible with dual layer balloon design for better strut apposition, different length and diameter. | |
| 83 | Drug eluting coronary stent, Platinum-chromium platform with small strut thickness, 5F guide catheter compatible with two-segment design of stent, different length and diameter. | |
| 84 | Sirolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 85 | Everolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 86 | Zotarolimus coated drug eluting coronary stent with biostable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 87 | Sirolimus coated drug eluting coronary stent with abluminal coating and biodegradable | |

| | | |
|---|---|---|
| | polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 88 | Everolimus coated drug eluting coronary stent with abluminal coating and biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 89 | Zotarolimus coated drug eluting coronary stent with abluminal coating and biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 90 | Sirolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 91 | Everolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 92 | Zotarolimus coated drug eluting coronary stent with abluminal coating in grooves in the cells of the stent to reduce drug dose, biodegradable polymer. Cobalt-chromium platform, Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 93 | Sirolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 94 | Everolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 95 | Zotarolimus coated drug eluting coronary stent, stainless steel platform, and biodegradable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 96 | Sirolimus coated drug eluting coronary stent, stainless steel/ cobalt chromium platform, and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 97 | Everolimus coated drug eluting coronary stent, stainless steel/cobalt chromium platform and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 98 | Zotarolimus coated drug eluting coronary stent, stainless steel/cobalt chromium platform and biostable polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 99 | Drug eluting coronary stent. Cobalt-chromium platform, small strut thickness with sizes available in 4.0, 4.5 and 5.0 mm for large vessel/left main angioplasty, minimum length from ≤8 mm and longer lengths of 10/12 mm, 15/18mm, 22/24 mm and longer. | |
| 100 | Sirolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 101 | Everolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 102 | Zotarolimus coated drug eluting coronary stent with no polymer (polymer free stent), small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 103 | Sirolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 104 | Everolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 105 | Zotarolimus coated drug eluting coronary stent, micro-porous surface of metal platform for drug stability with thin layer of polymer, small strut thickness, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 106 | Sirolimus coated drug eluting coronary stent, Open cell design Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm to ≥4.5 mm in different lengths. | |

| | | |
|---|---|---|
| 107 | Everolimus coated drug eluting coronary stent, Open cell design, Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available between 2.0 mm to ≥4.5 mm in different lengths. | |
| 108 | Zotarolimus coated drug eluting coronary stent, Open cell design Cobalt-chromium platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm to ≥4.5 mm in different lengths. | |
| 109 | Sirolimus coated drug eluting coronary stent dual drug with no polymer. | |
| 110 | Sirolimus Eluting Coronary Stent, Bio degradable polymer, Hybrid open cell, double - helix design, sine wave 3-3-3 link , strut thickness less than 100 µm. | |
| 111 | Sirolimus Eluting Coronary Stent Bio degradable polymer, Hybrid open cell, Double - helix design, sine wave 3-3-3 link , strut thickness 0.065mm. | |
| 112 | Biolimus A9 coated drug eluting coronary stent. Small strut thickness, entry profile 0.017" or less with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 113 | Sirolimus coated drug eluting Tapered coronary stent with 0.5 mm difference of diameter between proximal and distal end. Cobalt-chromium platform with biodegradable polymer, Small strut thickness, different diameter of upto 4.5 mm (proximal end) and length available upto ≥60 mm. | |
| 114 | Sirolimus coated drug eluting peripheral stent. Cobalt-chromium platform, self expanding, 6F guide compatible, different length and diameter. | |
| 115 | Sirolimus coated drug eluting peripheral stent. Balloon expanding, 7F guide compatible, different length and diameter. | |
| 116 | Sirolimus coated drug eluting peripheral stent. Cobalt-chromium platform, biodegradable polymer, 6F guide compatible, different length and diameter. | |
| 117 | Paclitaxel coated drug eluting peripheral stent. Cobalt-chromium platform, self expanding, 6F guide compatible, different length and diameter. | |
| 118 | Paclitaxel coated drug eluting peripheral stent. Balloon expanding, 7F guide compatible, different length and diameter. | |
| 119 | Balloon pre-mounted stents for coarctation of Aorta<br>Length 30-≥60 mm<br>Various diameter of 12 to ≥30 mm | |
| 120 | Covered stent for coarctation of Aorta<br>Length 30-70 mm<br>Various diameter of upto ≥40 mm. | |
| 121 | Covered mounted stent for peripheral vessels, different Diameter, various lengths. | |
| 122 | Non-mounted peripheral stents<br>Length: 30 mm to ≥60 mm<br>Dilatable to various diameter according to the balloon diameter and can be expanded to a larger diameter in a later stage in a growing child/adolescent. | |
| 123 | Self-expanding type of TAVI (Transcatheter Aortic Valve Implantation) with all standard accessories for implantation, different sizes. | |
| 124 | Balloon-expanding type of TAVI (Transcatheter Aortic Valve Implantation) with all standard accessories for implantation, different sizes. | |
| 125 | Transcatheter Implantable Pulmonary Valve with all standard accessories for implantation, different sizes. | |
| 126 | Left atrial appendage closure device with all standard accessories for implantation, with structure made of self-expanding Nitinol wires, MRI conditional, available in various sizes. | |
| 127 | Impella pump catheters with all accessories for use<br>**c)** 2.5 liter pump<br>**d)** 3.5 liter pump | |
| 128 | IVL catheter for calcific coronary angioplasty with all accessories | |
| 129 | IVL catheter for calcific peripheral angioplasty with all accessories | |
| 130 | Dedicated stent for venous interventions, self expandable, diameter upto 18 mm, length of 40-140mm. | |
| 131 | Dedicated stent for venous interventions, balloon expandable, diameter upto 20 mm, length of 40-160mm. | |
| 132 | Sirolimus Eluting BioResorbable coronary vascular scaffold system having various diameter and length of upto 40 mm. | |
| 133 | Sirolimus coated drug eluting coronary stent, Open cell design Cobalt - chromium | |

| | | |
|---|---|---|
| | platform, biostable polymer, variable strut thickness of 75 to 85 µm depending on stent diameter for better radial strength, 5F guide compatible. Diameter available from 2.0 mm ≥ 4.5mm in different lengths. | |
| 134 | Sirolimus eluting coronary Co/Cr stent, open cell design, Biostable polymer, anti - dislodgment soft layer for cushion effect, Nylon nandodrap coating technology, strut thickness 75 to 85 micron, and links 70 micron or thinner. Tip profile. 017. diameter of stent 2.0 mm to 4.5 mm with various length. up to 40 mm or more, stent overexpansion of 4 mm 4.5 mm diameter to 5.5 mm or more. | |
| 135 | Sirolimus eluting coronary stent system ≤65-micron struts thickness with alternative "S ' links, Hybrid cell design with dual biodegradable and biocompatible polymer for optimal drug delivery. Various Length and diameter. | |
| 136 | Everolimus Eluting Coronary stent system ≤65-micron struts thickness with alternative "S' links, Hybrid cell design with dual biodegradable and biocompatible polymer for optimal drug delivery. Various length and diameter. | |
| 137 | Self - expanding Nitinol peripheral stent ≤6 mm to≥8 mm diameter available in long length of uo to 200 mm, OTW, 0.035" guidewire compatibility. Largest diameter stent compatible with 7F sheath size. | |
| 138 | Self - expanding Nitinol peripheral stent ≤4 to 7 mm diameter, various length of≥200 mm, 6F guide compatible, 0.035" guidewire compatible OTW. | |
| 139 | Everolimus coated drug eluting coronary stent with no polymer (polymer free stent), microporus surface, with lowest shaft profile, 5F guide compatible, different length and diameter. | |
| 140 | Sirolimus coated drug eluting coronary stent with no polymer (polymer free stent), microporus surface, with lowest shaft profile, 5F guide compatible, different length and diameter. | |

| | **Cathlab consumables SECTION - II** | |
|---|---|---|
| **Serial No.** | **Name of the Article with Specification** | **100% Technically complied (Yes / No) Supporting Document to be submitted** |
| 1 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038" guide wire. 10-12 cm long. 5/6/7/8 F. | |
| 2 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038" guide wire. 20±3 cm long. 5/6/7/8 F. | |
| 3 | Adult femoral introducer sheath with hemostatic valve and hydrophilic coating over the sheath, in a kit containing puncture needle and 0.038" guide wire. 10-12 cm long. 5/6/7/8 F. | |
| 4 | Adult femoral introducer sheath with hemostatic valve and hydrophilic coating over the sheath, in a kit containing puncture needle and 0.038" guide wire. 20±3 cm long. 5/6/7/8 F. | |
| 5 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038" guide wire. 20±3 cm long. 9 to ≥12F. | |
| 6 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.038" guide wire.10-12 cm long. 9 to ≥12F. | |
| 7 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle and 0.035" guide wire. 10-12 cm long. 5/6/7/8 F. | |
| 8 | Adult femoral introducer sheath with hemostatic valve in a kit containing puncture needle, surgical blade and 0.035"/0.038" guide wire. 10-12 cm long. 5/6/7/8 F. | |
| 9 | Radial/Brachial introducer sheath with hemostatic valve in a kit containing puncture needle and 0.021" mini guide wire (J tip/straight tip), 7±1 cm long sheath. 5F, 6F. | |
| 10 | Radial artery cannulation kit comprising of arterial sheath, puncture needle 21 G, straight tip mini guide wire, sheath length of 11cm. 5F, 6F. | |
| 11 | Radial artery cannulation kit comprising of arterial sheath, 20G×2" puncture needle, 0.025" radifocus mini guide wire, available in different sheath lengths of ≥11cm. 4F, 5F, 6F, 7F. | |
| 12 | Manifold –two ports with knobs to turn "Right" when open. | |
| 13 | Manifold –three ports with knobs to turn "Right" when open. | |
| 14 | PTCA kit containing - (i) three port manifold with knobs to turn "Right" when open, (ii) one pressure line, (iii) saline connecting line,(iv) contrast connecting line, (v) one three way stop cock, (vi) short tube of 12 to 15 inches to connect to touhy borst, (vii) one Y-connector hemostatic valve with spring type with lock mechanism,(viii) one inflation device with manometer upto 30 atmosphere (easy to operate with luminescent dial), (ix) one Luer lock controlled syringe of 10 ml with finger grip, (x) insertion needle, (xi) torque | |

| | | |
|---|---|---|
| | device. | |
| 15 | PTCA kit containing - (i) three port manifold with knobs to turn “Left” when open, (ii) one pressure line, (iii) saline connecting line,(iv) contrast connecting line, (v) one three way stop cock, (vi) short tube of 24 to 26 inches to connect to touhy borst, (vii) one Y-connector hemostatic valve with non-spring type push and release mechanism,(viii) one inflation device with manometer upto 30 atmosphere (easy to operate with luminescent dial), (ix) one Luer lock controlled syringe of 10 ml with finger grip, (x) insertion needle, (xi) torque device. | |
| 16 | Three way stop cock with one male and two female ports and freely rotating adapter for coronary Angiography. | |
| 17 | Pressure line: 120-150 cm, 4-6 mm, compatible with manifold and three way ports. | |
| 18 | Pressure line: 120-150 cm, 4-6 mm with in-built three way ports in one side. | |
| 19 | Short connecting pressure line of 20-30 cm with male port in one side and female port in the other side. | |
| 20 | High pressure injector line to withstand pressure up to 1200psi, 75-100 cm length with Luer lock male port and rotator. | |
| 21 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins left. 4F, 5F, 6F. | |
| 22 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins Right. 4F, 5F, 6F. | |
| 23 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Amplatz Left (ALI/ALII/ALIII).5F, 6F. | |
| 24 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Amplatz Right (ARI/ARII). 5F, 6F. | |
| 25 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). LIMA Catheter. 5F, 6F. | |
| 26 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). RIMA Catheter. 5F, 6F. | |
| 27 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable). Multipurpose AI, AII/BI, BII. 4F, 5F, 6F. | |
| 28 | Coronary Angiography diagnostic catheters 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0 as required from time to time. NTR (Non-torque right) type. 4F, 5F, 6F. | |
| 29 | Coronary Angiography diagnostic catheters, 125 cm long, for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins left. 4F, 5F, 6F. | |
| 30 | Coronary Angiography diagnostic catheters, 125 cm long, for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time. Judkins Right. 4F, 5F, 6F. | |
| 31 | Balloon flotation angiography catheter (Berman type) with side holes. 6F, 7F. | |
| 32 | Balloon flotation angiography catheter (Berman type) with side holes and end hole at the tip for wire access. 6F, 7F. | |
| 33 | Mullin sheath with hemostatic valve and end marker. 6 to 14F | |
| 34 | Shuttle sheath, 40-60 cm long. 6F, 7F, 8F. | |
| 35 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Straight pigtail: 5, 6 ,7 F. | |
| 36 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Marker pigtail (with radio opaque markers): 6, 7 F. | |
| 37 | Pigtail Catheter, 6-12 side holes, high flow rate for adult use. Angled pigtail (with 145-155 degree angle): 5, 6 F. | |
| 38 | Cobra catheter (C1, C2, C3): 4/5/6 F. | |
| 39 | Head Hunter catheter: 5/6 F. | |
| 40 | Simmons catheter, 5/6 F, (Sim1, Sim2) | |
| 41 | NIH catheter, with end hole and side holes, 5/6 F. | |
| 42 | NIH catheter, with side holes only, 5/6 F. | |
| 43 | Angiographic Guide Wire 0.035”, PTFE coated, ‘J’ tip, 150-160 cm in length. | |
| 44 | Angiographic Guide Wire 0.035”, PTFE coated, ‘J’ tip, extra length of 250-260 cm in length. | |
| 45 | Angiographic Guide Wire, PTFE coated, ‘J’ tip, having diameter of 0.038”, 0.035”, 0.032”, 0.027”/0.025”, 0.021”. Extra-length (≥250-260 cm) long. (Manufacturer having all the above sizes only will be considered) | |

| | | |
|---|---|---|
| 46 | Angiographic Guide Wire 0.035", Heparin coated PTFE wire to prevent micro thrombus formation, 'J' tip, 150-160 cm in length. | |
| 47 | PTFE coated guide wire for radial angiography, 0.035" diameter with distal J tip of 1.5 mm (small) for radial use. | |
| 48 | Radial diagnostic angiography catheter, single catheter for both left and right coronary angiography, Tiger like curve, having a-traumatic tip with end and side hole, large lumen. 100-110 cm long, 5F. | |
| 49 | Radial diagnostic angiography catheter, single catheter for both left and right coronary angiography, Multipurpose A like curve with primary curve of 130±5 degrees, having a-traumatic tip, large lumen. 100-110 cm long, 5F. | |
| 50 | Radial diagnostic coronary angiography catheters, single catheter for cannulation of both the coronary arteries. With and without side hole, available in 4, 5, and 6 F, 100 cm long and available in different curve length of 3.5 to 4.5 cm. | |
| 51 | Radial diagnostic coronary angiography Multipack containing (i) 5 F diagnostic angiography catheter, single catheter for cannulation of both the coronary arteries, 100 cm long and curve length of 3.5 cm, (ii) 5 F radial sheath, 21 G puncture needle, compatible 0.018" GUIDE WIRE, (iii) 180 cm long 0.035" angiographic guide wire with distal J tip. | |
| 52 | Sterile, disposable catheterization drape for covering patients during angiography/catheterization procedures. Size 100-120×180-200 cm, with two 10-12 cm adhesive fenestrations at the site of femoral artery puncture (in the junction of upper 1/3rd and lower 2/3rd), having absorbent as well as laminated reinforcement. | |
| 53 | Sterile, disposable catheterization drape for covering patients during radial angiography. Size 120-140×180-200 cm, with single 10-12 cm adhesive fenestration at the site of right radial artery puncture (in the right upper corner, one foot away from the right and the upper border of the drape), having absorbent as well as laminated reinforcement. | |
| 54 | Sterile, disposable catheterization drape for covering patients during angioplasty/catheterization procedures. Size 100-120×300-320 cm, with two 10-12 cm adhesive fenestrations at the site of femoral artery puncture (in the junction of upper 1/3rd and lower 2/3rd), having absorbent as well as laminated reinforcement. | |
| 55 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 10 cc, with Luer Lock, no finger grip. | |
| 56 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 5 cc, with Luer Lock, no finger grip. | |
| 57 | Contrast/saline injecting syringe for angiography (for multiple hand contrast injection in a single patient, non-breakable). 2 cc, with Luer Lock, no finger grip. | |
| 58 | Inflation Device with manometer of 0 to ≥30 atmosphere and luminescent dial face. Easy to operate with ergonomic design. High strength syringe to maintain high pressure setting without pressure loss and immediate pressure release. | |
| 59 | Inflation Device with manometer of 0 to 20 atmosphere and luminescent dial face. Easy to operate with push and rotate technique. To maintain high pressure setting without pressure loss and immediate pressure release. | |
| 60 | PTCA insertion needle and Torque device accepting 0.014" and 0.018" guide wires. | |
| 61 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, having locking system to release. | |
| 62 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, without locking system to release (only pull to release). | |
| 63 | Y-connector for PTCA: hemostatic valve with spring type push and release mechanism. It should have bleed back control valve and without formation of micro/macro air bubbles inside it during the procedure, without locking system to release (only pull to release). There should be a short inbuilt connecting tube with 3-way in the side port (single piece). | |
| 64 | Y-connector for PTCA with two hemostatic valves and one side port. | |
| 65 | Non spring screw type Y-connector for PTCA/PTA. | |
| 66 | Torque device for 0.014" PTCA guide wires | |
| 67 | Torque device for 0.018" PTA guide wires | |
| 68 | Torque device for large wires (0.021" to 0.038") | |
| 69 | 0.014" Guide wire insertion needle for angioplasty | |
| 70 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |

| | | |
|---|---|---|
| 71 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 72 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins Right with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 73 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. IMA guiding catheter, 5F/6F/7F. | |
| 74 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI, AII), 5F/6F/7F/8F. | |
| 75 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI, BII), 5F/6F/7F/8F. | |
| 76 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left (Curves AL0.75, AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. | |
| 77 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Right (Curves AR1, AR2), 5F/6F/7F/8F. | |
| 78 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Voda Left, 5F/6F/7F/8F. | |
| 79 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Left coronary bypass guide catheter, 6F/7F. | |
| 80 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Right coronary bypass guide catheter, 6F/7F. | |
| 81 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) left, 5F/6F/7F/8F. | |
| 82 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) right, 5F/6F/7F/8F. | |
| 83 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. 3D right guiding catheter, 6F/7F. | |
| 84 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Hockey Stick guiding catheter, 6F/7F. | |
| 85 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Shepherd Crook right type guiding (Curves 3.5, 4, 5), 6F/7F. | |
| 86 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070” inner lumen in 6F and ≥0.080” in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Head Hunter guiding catheter, 6F/7F. | |

| | | |
|---|---|---|
| 87 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 88 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right without side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 89 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins Right with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 90 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. IMA guiding catheter, 5F/6F/7F. | |
| 91 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI, AII), 5F/6F/7F/8F. | |
| 92 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI, BII), 5F/6F/7F/8F. | |
| 93 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left (Curves AL0.75, AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. | |
| 94 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Right (Curves AR1, AR2), 5F/6F/7F/8F. | |
| 95 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Voda Left, 5F/6F/7F/8F. | |
| 96 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have atraumatic soft tip with radio opaque marker band at the tip. Left coronary bypass guide catheter, 6F/7F. | |
| 97 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Right coronary bypass guide catheter, 6F/7F. | |
| 98 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) left, 5F/6F/7F/8F. | |
| 99 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Extra back-up (EBU) right, 5F/6F/7F/8F. | |
| 100 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. 3D right guiding catheter, 6F/7F. | |
| 101 | PTCA Guiding catheter, 110 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F and ≥0.080" in 7F), stainless steel braided, inner layer coated with PTFE. It should have a traumatic soft tip with radio opaque marker band at the tip. Hockey Stick guiding catheter, 6F/7F. | |
| 102 | Sterile puncture needle of 21 Gauge, about 5 cm long, permitting insertion of 0.021" guide wire, with plastic jacket covering the needle part. | |
| 103 | Sterile puncture needle of 18 Gauge, 7 cm long, permitting insertion of 0.035"/0.038" guide wire, with plastic jacket covering the needle part. | |

| | | |
|---|---|---|
| 104 | Amplatzer super stiff guide wire, long length of 260 cm to 300 cm of 0.035” size. | |
| 105 | Amplatzer Noodke guide wire, long length of 300 cm of 0.035” size. | |
| 106 | Cardiac Bioptoms for endomyocardial biopsy. 5F, 6F. 100+5 cm for femoral approach. | |
| 107 | Cardiac Bioptoms for endomyocardial biopsy. 5F, 6F. 45+5 cm for internal jugular approach. | |
| 108 | Contra-lateral femoral sheath with dilator, 30-55 cm long. 6F, 7F, 8F, 9F, 10F. | |
| 109 | Extra-long multipurpose diagnostic catheter, ≥125 cm long. 4F, 5F, 6F. | |
| 110 | Extra-long multipurpose guide catheter, ≥125 cm long. 5F, 6F, 7F, 8F. | |
| 111 | Pressure bag with manometer for IV infusion. | |
| 112 | Dome kit with flushing system for Cathlab pressure monitor | |
| 113 | Physiological pressure transducer and connector for Cathlab machines | |
| 114 | 150 ml syringe for contrast injector in Cathlab | |
| 115 | Radiolucent ECG electrodes. | |
| 116 | Defibrillator external pads (two) with connector compatible with existing bi-phasic defibrillator (Model: MEDIANA D500) | |
| 117 | Digital CD 760 MB, archive grade for recording of angiography, angioplasty and echocardiography with name of hospital printed on it. They should have jacket made of tough glass or such material. | |
| 118 | DVD 4.7 GB, archive grade for recording of angiography, angioplasty and echocardiography with name of hospital printed on it. They should have jacket made of tough glass or such material with 10 mm width to write patient details. | |
| 119 | ASD/VSD/PDA delivery kit containing i) delivery sheath with back bleed prevention hemostatic valve and side port, ii) dilator, iii) delivery cable, iv) loader. 6/7/8/9/10/11/12/13/14F. | |
| 120 | Sterile PVA particle for intravascular embolization, 300-1000 µm diameter. | |
| 121 | Spring Coil PTCA guide wire with no polymer and Hydrophilic coating. It should have tapered tip (0.014”- 0.010”), and different tip loads, core-to-tip construction for good torque response used for PTCA of CTO. | |
| 122 | Doc/Extension wire compatible with Sl. No 121 | |
| 123 | PTCA guide wire with PTFE coating over shaft, polymer sleeve length of 20 cm, tip load of 0.8 gm., tip size of 0.014”, tip radiopacity of 3 cm. | |
| 124 | Doc/Extension wire compatible with Sl. No 123 | |
| 125 | PTCA guide wire with PTFE coating over shaft, polymer sleeve length of 16 cm, tip load of 0.8 gm., tip size of 0.009”, tip radiopacity of 16 cm. | |
| 126 | Doc/Extension wire compatible with Sl. No 125 | |
| 127 | PTCA extra-support guide wire with PTFE coating over shaft, tip load of 0.7 gm., tip size of 0.014”, spring coil of 4 cm and tip radiopacity of 4 cm. | |
| 128 | Doc/Extension wire compatible with Sl. No 127 | |
| 129 | PTCA guide wire for CTO with PTFE coating over shaft, tip size of 0.014”, tip radiopacity of 11 cm and spring coil of 11 cm, length of 180-190 cm. various tip loads. | |
| 130 | Doc/Extension wire compatible with Sl. No 129 | |
| 131 | PTCA guide wire for CTO with extra-support, tip load of 9 gm., tip size of 0.009”, length 180-190 cm, with Spring coil and tip radiopacity of 11 cm and Spring coil and tip radiopacity of 20 cm. | |
| 132 | Doc/Extension wire compatible with Sl. No 131 | |
| 133 | Joint less spring coil 0.014” one piece core PTCA guide wire with tip radiopacity 3 cm, length 180 cm, tip load of 0.5 gm. and 0.7 gm. | |
| 134 | Doc/Extension wire compatible with Sl. No 133 | |
| 135 | Dedicated GUIDE WIRE for externalization in retrograde PTCA with length >300 cm. | |
| 136 | PTCA one piece core wire with joint less spring coil length 15 cm with cone tip, 180-190 cm long, tip radiopacity 15 cm, Wire diameter 0.010” with a tip load of 1.7 gm., Wire diameter 0.011” with a tip load of 3.5 gm., and Wire diameter 0.012” with a tip load of 4.5 gm. | |
| 137 | Doc/Extension wire compatible with Sl. No 136 | |
| 138 | PTCA guide wires, 0.014”, 180-190 cm long, Nitinol distal super elastic core for kink resistance and shape retention, Silicon coating for distal 2 cm and hydrophilic coating of rest of the wire length with tip load of 1.0 gm., 0.6 gm., and 3.6 gm. | |
| 139 | Doc/Extension wire compatible with Sl. No 138 | |
| 140 | Steerable PTCA guide wire with floppy tip, elastinite core, soft shaping ribbon tip and hydrophilic or hydrophobic coating. | |

| | | |
|---|---|---|
| 141 | Doc/Extension wire compatible with Sl. No 140 | |
| 142 | Steerable PTCA extra support guide wire with durasteel core material, core to tip design, floppy tip. With hydrophobic coating and With hydrophilic coating. | |
| 143 | Doc/Extension wire compatible with Sl. No 142 | |
| 144 | Steerable PTCA 0.014" guide wire, distal nitinol core and rest stainless steel, double coil tip for shape retention, hydrophilic coating. | |
| 145 | Doc/Extension wire compatible with Sl. No 144 | |
| 146 | PTCA Guide wire 0.014" with Polymer coated, hydrophilic, steel core and transitionless tip with various tip strength and tip load for torturous vessels. | |
| 147 | Doc/Extension wire compatible with Sl. No 146 | |
| 148 | Steerable PTCA guide wire 0.014" with floppy tip, elastinite/ durasteel core, soft tip and hydrophilic or hydrophobic coating, extralong with length of ≥300 cm. | |
| 149 | Steerable PTA guide wire with floppy tip, scitanium stainless steel alloy core, extra-support of 0.018" diameter, ≥300 cm long. Tip Non-hydrophilic or Tip Hydrophilic. | |
| 150 | Steerable PTA high support guide wire of 0.018", body PTFE/hydrophobic coated, distal hydrophilic coating, distal radiopacity of 2 cm, ≥300 cm long. | |
| 151 | PTCA Pre-dilatation, monorail/rapid exchange balloon (semi compliant). Hypotube shaft design, low entry profile of ≤0.016" and 5F guide catheter compatibility. Radio-opaque markers at both ends. Diameters (mm): 1.2/1.25, 1.5, 2.0, 2.5, 3, 3.5, 4.0, 4.5, 5.0. Length: ≤10 mm to ≥30 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 152 | PTCA Pre-dilatation semi-compliant balloon, monorail/rapid exchange. Ultra low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Specific technology used in the shaft for kink resistance, tip entry profile of <0.016" and crossing profile of <0.0220" in the smallest available size balloon. Radio-opaque marker for visibility. Diameters (mm): 1.0, 1.2/1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 2.75, 3.0. Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to ≥20 mm in larger diameter balloons. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 153 | PTCA pre-dilatation semi-compliant balloon, lowest tip entry profile of ≤0.016", crossing profile of ≤0.021", Zero fold or minimum fold with low profile and marker for better visibility, stepwise transition stiffening for more pushability for difficult to cross lesions. Radio-opaque marker (single) at the center of the balloon in small diameter balloons. Diameter (mm): 1.5, 2.0, 2.5, 2.75, 3.0, 3.5, 4.0. Length: minimum 6-8 mm to ≥20 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 154 | PTCA pre-dilatation semi-compliant over the wire balloon (OTW) with short balloon taper, low entry profile (≤0.016"). Diameter: 1.2/1.25, 1.5,2.0, 2.5, 3.0 mm or more. Length – minimum 6-8 mm to 20mm or more. | |
| 155 | PTCA Pre-dilatation non-compliant, monorail/rapid exchange balloon with lowest crossing profile for crossing difficult to cross CTO lesions, having balloon size of 0.8±0.1 mm diameter, Length (mm): 6/8, 10/12. | |
| 156 | High pressure non-compliant balloon with RBP ≥16 to ≤19 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Available Diameter (mm): 2.0, 2.5, 3.0, 3.5, 4. 4.5, 5.0. Length (mm): ≤10 to ≥30. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 157 | High pressure non-compliant balloon with RBP ≥20 to <30 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure. Available Diameter (mm): 1.5, 1.75, 2.0, 2.25, 2.5, 2.75, 3.0, 3.25, 3.5, 3.75, ≥4.Length (mm): ≤10 mm to ≥20 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 158 | High pressure non-compliant balloon with RBP ≥16 to <30 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure. Available Diameter (mm): 2.5, 2.75, 3.0, 3.5, 4, 4.5, 5.0. Length (mm): ≤5 mm specially designed for POT with all other available lengths. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 159 | High pressure non-compliant balloon with RBP ≥16 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Available Diameter (mm): 5, 5.0, 5.5, 6.0 along with other available sizes. Length (mm): ≤6-8 to ≥20. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 160 | Ultra high pressure non-compliant balloon with ≥30 atm RBP for highly fibrotic or calcific vessels, no edge over-dilatation at higher pressure; with least balloon overhang at the edges. Diameter(mm): 2.0, 2.5, 3.0, 3.5, ≥4. Length(mm): minimum 6-8mm to ≥20 mm. | |

| | | |
|---|---|---|
| | Balloon only. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 161 | Dedicated inflation device to inflate Ultra high pressure non-compliant balloon up to 45/50 atm. | |
| 162 | Peripheral long balloon, semi compliant, various diameters of ≤4 to ≥8 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. | |
| 163 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. OTW over 0.018" guide wire. | |
| 164 | Peripheral balloon, semi compliant, various diameters of ≤4mm to 8mm. Length: ≤30 to ≥60 mm. Monorail, compatible over 0.014" guide wire. | |
| 165 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. OTW over 0.014" guide wire. | |
| 166 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. Largest balloon compatible with 7F sheath. | |
| 167 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire, hydrophilic coating over the distal balloon and shaft for easy crossing. Balloon shaft length available in 80/85 mm and 130/135 mm. | |
| 168 | Peripheral long balloon, semi compliant, various diameters of 5 to ≥10 mm. Length: ≤30 to ≥100 mm. OTW over 0.035" guide wire. RBP of ≥16 atm in smaller diameters and RBP of ≥12 atm in larger diameters, largest balloon entry sheath size of 7F. Balloon shaft length available in 80/85 mm and 130/135 mm. | |
| 169 | Peripheral extra long balloons, semi compliant, various diameters of 6 to ≥10 mm. Length available in 200 to 300 mm along with other lengths. OTW over 0.035" guide wire. | |
| 170 | Peripheral extra long balloons, semi compliant, various diameters of 6 to ≥10 mm. Length available in 150 to 300 mm along with other lengths. OTW over 0.018" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. | |
| 171 | Peripheral balloons with high RBP of >20 atm, non-compliant, various diameters of 9 to ≥14 mm and length ≤20 to ≥60 mm. OTW over 0.035" guide wire. Largest balloon entry sheath size of 8 F. Balloon shaft length available in 80/85 mm and 130/135 mm. | |
| 172 | Peripheral extra long balloons with high RBP of >20 in 7 and 8 mm balloons, semi compliant, various diameters of 6 to ≥10 mm and length ≤20 to ≥100 mm. OTW over 0.035" guide wire. Balloon shaft length available in 80/85 mm and 130/135 mm. | |
| 173 | Scoring balloon catheter. Nitinol scoring element with three rectangular spiral sheets/wires on a non-compliant balloon for coronary artery dilatation. Diameter (mm): 2.0, 2.5, 3.0, 3.5, 4.0. Length (mm): ≤10, ≥15. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 174 | Scoring balloon catheter. Nitinol scoring element with dual wire system on a non-compliant balloon for coronary artery dilatation, hydrophilic coated tip, Diameter (mm): 2.0, 2.25, 2.5, 2.75, 3.0, 3.5, 4.0., Length (mm): ≤10, ≥15, (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 175 | PTCA cutting balloon with blades or such new cutting device at the surface of the balloon, blades/cutting devices arranged with hinges in every 5 mm of balloon for better trackability, Various diameter and length. | |
| 176 | Peripheral cutting balloon 4-6 mm diameter length up to 25/30 mm. | |
| 177 | Femoral percutaneous closure device (Thrombin/Collagen mediated closure). | |
| 178 | Femoral percutaneous closure device (suture mediated closure). | |
| 179 | Radial closure device comprising of compression pad (pneumatically inflated with a syringe) with anatomic soft-wrist support pad. | |
| 180 | Auto-perfusion catheter, 6F compatible with multiple side-holes and multiple radio opaque markers at the distal end. | |
| 181 | Coronary wire braded micro-catheter for channel dilatation with platinum marker at distal tip for clear visibility. Having 8× 0.12 mm wire embedded in the shaft, long taper tip of 15 cm, tip 1.7-1.8 Fr., mid shaft of 2.1-2.2 r. and proximal end of 3.3-3.4 Fr., length 130-140 cm. | |
| 182 | Complex channel or micro-channel crossing catheter with hydrophilic coating of distal segment, kink resistant tapered tip of 0.016", Tungsten braiding, +10 elliptical stainless steel braids for better support.<br>a) 130-140 cm for antegrade technique.<br>b) 150-160 cm for retrograde technique. | |
| 183 | Coronary microcatheter with distal diameter of 1.8 Fr or less, proximal diameter 2.6F, | |

| | | |
|---|---|---|
| | PTFE coated inner layer, and distal hydrophilic coating at the outer layer, flexible tip with outer and inner taper with gold marker at distal tip for enhanced distal visibility to cross difficult lesions.<br>a) 130-135 cm long<br>b) 150-160 cm long | |
| 184 | Deflectable tip coronary microcatheter with tapered tip of 1.7-1.91 F. | |
| 185 | Dual lumen coronary microcatheter for side branch access | |
| 186 | Coronary microcatheter with distal outer diameter of 2.7 F and proximal outer diameter of 2.9 F, with GUIDE WIRE compatibility of 0.021" for microcoil embolization. | |
| 187 | Snares: dual plane snare system with radio-opaque loop.<br>a) Small loop.<br>b) Large loop | |
| 188 | Amplatz goose neck snare kit<br>a) Small size.<br>b) Large size. | |
| 189 | Intra-coronary foreign body retrieval forceps | |
| 190 | Radio opaque micro snare, small loop, 90 degree with kink resistant shaft. | |
| 191 | Intra-vascular retriever device. | |
| 192 | Permanent pacing lead extraction system, Whole device with locking device, mechanical dilator, and accessories. | |
| 193 | Permanent pacing lead extraction system, Lead locking device only. | |
| 194 | Permanent pacing lead extraction system, Mechanical rotating dilator/cutter only. | |
| 195 | Intra-coronary thrombus extraction catheter, short tip monorail segment, big and round suction lumen, 0.014" wire compatibility. 6F, 7F. | |
| 196 | Intra-coronary thrombus extraction catheter, tip monorail segment, big and round suction lumen with removable core steel wire for enhanced pushability, tip hydrophilic coating, 0.014" wire compatibility. 6F, 7F. | |
| 197 | Sizing plate to measure ASD defect size for device closure. | |
| 198 | Fixed tip deflectable E.P. Catheters, all curve, compatible with the existing Cordis EP system. | |
| 199 | Bidirectional 7F E.P. catheter with tip electrode of 4 and 5 mm, all curves, compatible with the existing Cordis EP system. | |
| 200 | Decapolar coronary sinus catheter for jugular/ subclavian/femoral insertion, fixed and deflectable tip, 5 F & 7F with connector, compatible with the existing Cordis EP system. | |
| 201 | Parahisian diagnostic deflectable catheter, octapolar configuration catheter, compatible with the existing Cordis EP system. | |
| 202 | 20-pole deflectable catheter for atrial isthmus mapping, compatible with the existing Cordis EP system. | |
| 203 | Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm with connectors, compatible with the existing Cordis EP system. | |
| 204 | Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm without connectors, compatible with the existing Cordis EP system. | |
| 205 | 4 and 5 mm tip Quadripolar tip deflectable RF ablation catheter 7F, all curves, and compatible with the existing Cordis EP system. | |
| 206 | Thermocool ablation catheter, compatible with the existing Cordis EP system. | |
| 207 | Connecting cables for EPS catheter compatible with the existing Cordis EP system. (Connectors of the firm whose catheters are approved will be purchased). | |
| 208 | Regular thermistor/thermocouple RF ablation catheter, compatible with the existing Cordis EP system. | |
| 209 | Radio frequency ablation catheter (4mm) compatible with IBI RF generator with connector(7F), different curves, Push-pull technology. | |
| 210 | Radio frequency Ablation Catheter (8mm) compatible with IBI RF generator with connector (7F), different curves, Push-pull technology. | |
| 211 | Impedance patches for electro-anatomical mapping for use with Velocity Mapping System. | |
| 212 | Impedance patches compatible with IBI RF generator. | |
| 213 | Balloon catheter for Non-Contact Mapping of Arrhythmias for use with Velocity Mapping System with connector. | |
| 214 | Radiofrequency ablation saline cooled 4mm catheter compatible with IBI RF generator with connector (7F). | |
| 215 | Introducer sheath with hemostatic valve and locking hub (8F/8.5F,12 cm). | |
| 216 | Introducer sheath with 2 port hemostatic valve and locking hub (10 &12F,12 cm) | |

| | | |
|---|---|---|
| 217 | Introducer sheath with 3 port hemostatic valve and locking hub (12 &14F,12 cm) | |
| 218 | 7F, 4 mm Bidirectional steerable ablation catheter with autolock mechanism (All curves) with connector compatible with Meastro ablator | |
| 219 | 7F, 8 mm Bidirectional steerable ablation catheter with autolock mechanism (All curves) with connector compatible with Meastro ablator | |
| 220 | Connector for radiofrequency ablation catheter compatible with Meastro ablator and catheter of any make | |
| 221 | Connector for radiofrequency ablation catheter compatible with IBI RF ablator and catheter of any make | |
| 222 | Connector for radiofrequency ablation catheter compatible with Stockert ablator and catheter of any make | |
| 223 | Radiofrequency ablation catheter(unidirectional def. curve, 6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector | |
| 224 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cm insertion length, Single long Thermocouple Sensor compatible with Stockert ablator with connector | |
| 225 | Irrigated tip ablation catheter, Polyurethane coating with bi directional deflectable curve, 7Fr size with 3.5mm tip electrode , 6 side-holes for open loop irrigation at the tip electrode , 2-5-2 mm inter-electrode, spacing/115cm insertion length, Single Thermocouple, Sensor , compatible with Stockert ablator with connector | |
| 226 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5 F) with connector | |
| 227 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5 F) with connector | |
| 228 | Pre-shape designed EPS catheter to map Crista Terminals(7F) | |
| 229 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) | |
| 230 | High Density Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) | |
| 231 | External disposable non-sterile gel electrode compatible to magnetic-based 3D Mapping system. | |
| 232 | Indifferent Patch Electrode(Reusable) for Stockert with connecting cable | |
| 233 | Tubing for Irrigated Catheters compatible with cool flow pump | |
| 234 | Fixed curve Quadripolar Electrophysiology catheter(all curve, 5-7F) with connector | |
| 235 | Fixed Quadripolar catheter Pre-curve shape for HIS position | |
| 236 | Deflectable Quadripolar Electrophysiology catheter(all curve, 5-7F) with connector | |
| 237 | Fixed curve Decapolar catheter for Coronary sinus mapping (all curve, 5-7F) with connector | |
| 238 | Deflectable Decapolar catheter for Coronary sinus mapping (all curve, 5-7F) with connector | |
| 239 | Duo Decapolar Electrophysiology Catheter-20 Poles with Connector | |
| 240 | Intra cardiac echocardiaography imaging catheter (8-10F) compatible with Philips CX 50 echo system. | |
| 241 | FFR wire of 0.014” diameter, compatible with the present available Quantien machine (St. Jude). With wireless connection to the console. | |
| 242 | Disposable cover for image intensifier of Philips flat panel machine of catheterization laboratory. | |
| 243 | Disposable cover for foot paddles of Philips flat panel machine of catheterization laboratory. | |
| 244 | Disposable cover for console of Philips flat panel machine of catheterization laboratory. | |
| 245 | Super-core guide wire, 0.035” size and extra-length of 280 cm or more. | |
| 246 | Guide extension catheter, 5F/5.5F/6F/7F, rapid exchange with 150 cm working length, soft tip with radio-opaque marker. | |
| 247 | Mother and child catheter assembly for using smaller guide catheter inside large guide catheter. | |
| 248 | Back-up Meier steerable guide wires for catheterization and peripheral intervention, J tip, 0.035” diameter, ≥300 cm long. | |
| 249 | Equalizer balloon, various sizes. | |
| 250 | Wrap around double sided lead aprons for Cathlab. | |

| | | |
|---|---|---|
| 251 | Two piece skirt & vest, double sided lead aprons for cathlab. | |
| 252 | Wrap around, double sided, lead free, ultra-light good quality apron for cath lab. | |
| 253 | Lead thyroid shield. | |
| 254 | Pealway introducer sheath, 0.035" compatible, 6F/7F/8F | |
| 255 | Steerable long sheath with hemostatic valve and deflectable tip, 6F to 14 F, length 50cm, 70 cm and ≥80 cm. | |
| 256 | Shuttle sheath, with flexor Tuohy borst side arm, 60 cm long, 6F, 7F, 8F, 9F. | |
| 257 | Shuttle sheath, with flexor Tuohy borst side arm, 80 cm long, 6F, 7F, 8F, 9F. | |
| 258 | Long sheaths of various sizes with side arm (Balkan/Hausdorff type), for pediatric interventions. 4F, 5F, 6F. 30 to 50 cm long. | |
| 259 | Long sheaths of various sizes with side arm (Balkan/Hausdorff type), for adult interventions. 6F, 7F, 8F. 60 to 80 cm long. | |
| 260 | Radial hydrophilic sheath-less guide catheter, 7/7.5F size. | |
| 261 | IABP balloons with accessories for insertion, compatible with the existing Datascope CS300 machine (with required connector). Sizes available in 20, 24/25, 30/32, 34/36, 40 ml. | |
| 262 | Refilling of Helium gas cylinders from time to time for the existing IABP machine of Datascope CS300. | |
| 263 | ACT tube compatible with the existing Sonoclot Coagulation Analyzer machine of Seinco Inc. | |
| 264 | Cartridges/Cassettes for existing ABG machine ABL 80 Flex (Co-Ox) of Radiometer. | |
| 265 | Re-entry balloon for CTO with two exit port for wire entry in to the true lumen | |
| 266 | Percutaneous valvuloplasty balloon catheter for adult use, of different sizes available upto 30 mm and length upto 60 mm, with higher RBP (3-6 atm). | |
| 267 | Percutaneous valvuloplasty balloon catheter for adult use with dumbbell shaped narrowing of the central part for precise positioning across a valve, of different diameter of mid-size available upto 25/26 mm and length upto 40/50 mm, with higher RBP (3-5 atm). | |
| 268 | Percutaneous valvuloplasty BIB (Balloon-in-balloon) balloon catheter of different length and diameter. | |
| 269 | Embolization coils of 0.014" diameter, different long lengths for peripheral use | |
| 270 | Embolization coils of 0.014" diameter, rounded diameter of the coils 2 to 5 mm once deployed, short lengths of 4, 6, 8, 10 cm for intra-coronary use | |
| 271 | Embolization coils of 0.018" diameter, different lengths and formed diameter. | |
| 272 | Embolization coils of 0.021" diameter, different lengths and formed diameter. | |
| 273 | Embolization coils of 0.035" diameter, different lengths and formed diameter. | |
| 274 | Embolization coils of 0.038" diameter, different lengths and formed diameter. | |
| 275 | Embolization coils of 0.052" diameter for PDA closure, different lengths and formed diameter. | |
| 276 | Park blade septostomy catheter | |
| 277 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.035" diameter, 150 -160 cm long. | |
| 278 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.035" diameter, 250 -260 cm long. | |
| 279 | Radifocus guide wire, J tip, with hydrophilic polymer coating, 0.032" diameter, 150 -160 cm long | |
| 280 | Radifocus hydrophilic GUIDE WIREs, 150 - 160 cm long, Available in 0.018", 0.025", 0.032", 0.035", 0.038", (Only manufacturers/firms having all mentioned diameters will be considered.) | |
| 281 | Radifocus hydrophilic GUIDE WIREs, 250 - 260 cm long, Available in 0.018", 0.025", 0.032", 0.035", 0.038", (Only manufacturers/firms having all mentioned diameters will be considered.) | |
| 282 | Bidirectional, steerable soft-tip design, guiding sheath with small and large curve and variable reach, auto lock (between 8-10f), total length ≥90 cm. | |
| 283 | Intracardiac echocardiography for Electrophysiology, four way steering to 160 degree, French size: 10 F & 8 F, length: ≥90 cms, compatible with CARTO system. | |
| 284 | EPS Connecting cable compatible with IBI ablator and J & J radiofrequency ablation catheter | |
| 285 | Bi-Directional steerable introducer sheath –assorted sizes | |
| 286 | Contact Force Sensing Catheter With force direction vector, Bi directional movement, shaft visualization compatible with Carto 3 mapping and RF ablation | |

| | | |
|---|---|---|
| 287 | Radial coronary angioplasty guiding catheters, single catheter for cannulation of both the coronary arteries. Available in 5, and 6 F, 100 cm long and available in different curve length of 3.5 to 4 cm and with the option of having side holes. | |
| 288 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left with side holes (Curves 3, 3.5, 4, 5 cm), Size 5F/6F/7F/8F. | |
| 289 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins left with short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. | |
| 290 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right with short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. | |
| 291 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Judkins right with side holes and short tip (distance between the tip and primary curve) (Curves 3.5, 4, 4.5 cm), Size 5F/6F/7F/8F. | |
| 292 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (AI) with side holes, 5F/6F/7F/8F. | |
| 293 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Multipurpose (BI) with side holes, 5F/6F/7F/8F. | |
| 294 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left with short tip (Curves AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. | |
| 295 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Amplatz Left with short tip and side holes (Curves AL1, AL1.5, AL2, AL3), 5F/6F/7F/8F. | |
| 296 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. | |
| 297 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Left Extra Support with side holes (Curves 3, 3.5,4 4.5), 5F/6F/7F/8F. | |
| 298 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Right Extra Support with side holes (Curves 3.5,4 4.5, 5), 5F/6F/7F/8F. | |
| 299 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Modified Extra back-up, 5F/6F/7F/8F. | |
| 300 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Modified Extra back-up with side holes, 5F/6F/7F/8F. | |
| 301 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Castillo Curve 1, 2, 3. 6F/7F. | |
| 302 | PTCA Guiding catheter, 100 cm long: It should be large lumen (minimum of 0.070" inner lumen in 6F), stainless steel braided. It should have atraumatic soft tip with radio opaque marker band at the tip. Castillo Curve 1, 2, 3 with side holes. 6F/7F. | |
| 303 | Microcoil (0.018" diameter) delivery system<br>a) Coil delivery micro catheter<br>b) Coil pusher | |
| 304 | Pressure injector syringe compatible with Medrad mark-7 Arterion Injector. | |
| 305 | Reusable pressure transducer plate compatible with Mennen Hemodynamic cath monitor. | |
| 306 | Disposable ACT tubes compatible with existing machines (Safdarjang Hospital). | |
| 307 | H2O2 and Silver based solution for sterilization compatible with Micro mist Aerosol | |

| | | |
|---|---|---|
| | generator for sterilization of cath lab (1 bottle=10 L). | |
| 308 | IABP balloon of different sizes with accessories for insertion, compatible with the existing Datascope CS100 machine. | |
| 309 | Refilling of Helium gas cylinders for the existing IABP machine of Datascope CS100. | |
| 310 | Single lumen balloon flotation wedge pressure catheter (Swan Ganz type) with end hole. 5F, 6F, 7F. | |
| 311 | RDC guide, 7F, 8F | |
| 312 | Straight guide 6F, 7F, 8F. | |
| 313 | Radial guide catheter, Ikari left curve. 3.5, 4, 4.5, 5 size, 5F/6F for radial angioplasty. | |
| 314 | Radial guide catheter, Ikari right curve. 1.0/1.5/2.0/2.5 size, 5F/6F for radial angioplasty. | |
| 315 | Radial guide catheter, tiger type curve. 5F/6F size for radial angioplasty. | |
| 316 | Goodale-Lubin catheter, 6F. | |
| 317 | Cournand catheter, 6F. | |
| 318 | Picard catheter, 5F. | |
| 319 | Nucleus dilatation balloon with three markers, initial expansion of ends and later expansion of central part. | |
| 320 | Multi track angiography catheter for angiography while catheter is over the wire by short monorail part at distal tip, size 5-7 F. | |
| 321 | Percutaneous transluminal dilation balloon with markers for coarctation of Aorta with high RBP. All sizes and various lengths. | |
| 322 | Ultra high pressure valvuloplasty balloon dilation catheter with multiple markers. | |
| 323 | NBIH woven bipolar temporary pacing electrode, 6F/7F. | |
| 324 | Bipolar temporary pacing lead, with central removable stillate for maintaining support and tip-curve. 6F/7F. | |
| 325 | Balloon flotation temporary pacemaker lead with balloon in the tip. 6F. | |
| 326 | Radial diagnostic coronary angiography catheters, single catheter for cannulation of both the right and left coronary arteries. Trapease like, Ultracurve like or similar shapes, with and without side hole. 5F, and 6F, 100-110 cm long. | |
| 327 | Radial puncture site closure device comprising of compression pad (non-pneumatic compression technology) with anatomic soft-wrist support pad. | |
| 328 | Radial guide catheter, MRESS, RRAD, MRADIAL, LARA like curve. 3.0, 3.5, 4 size, 5F/6F for radial angioplasty. | |
| 329 | Radial guide catheter, MAC curve. 3.0, 3.5, 4 size, 5F/6F for radial angioplasty. | |
| 330 | Guide extension catheter, 6F/7F/8F, rapid exchange, 145-150 cm working length with short hypotube transition for reducing stent interection/deformation and having dedicated catheter for using in transradial PCI, soft tip with radiopaque marker at both end. | |
| 331 | Lunderquist wire superstiff shaft, soft tip, extra long of 260 cm, 0.035”. | |
| 332 | Mitral Valvuloplasty Double lumen PTMC balloon with vent tube and hole in the outer layer of the balloon, different sizes, with all accessories. | |
| 333 | Mitral Valvuloplasty Double lumen PTMC balloon with vent tube and hole in the outer layer of the balloon, different sizes, without accessories. | |
| 334 | PTMC double lumen balloon with no hole on the balloon wall, no vent tube, different sizes, with all accessories. | |
| 335 | PTMC double lumen balloon with no hole on the balloon wall, no vent tube, different sizes, without accessories. | |
| 336 | PTMC single lumen balloon with no hole on the balloon wall, different sizes, with all accessories. | |
| 337 | Mullin’s sheath 7-14 F, for adult PTMC/BMV | |
| 338 | Mullin’s sheath for pediatric procedure 5F/6F. | |
| 339 | Trans-septal puncture needle, curved, for atrial septal puncture. For adult use. | |
| 340 | Trans-septal puncture needle, straight, for atrial septal puncture. For adult use. | |
| 341 | Trans-septal puncture needle, curved, for atrial septal puncture. For pediatric use. | |
| 342 | PTMC accessory- spring coil wire, extra stiff, metallic for PTMC/BMV. | |
| 343 | PTMC accessory -14 F Dilator for PTMC/BMV | |
| 344 | PTMC accessory – stylet or J shaped LV entry wire during PTMC/BMV. | |
| 345 | Rotational atherectomy catheter kit containing Burr with advancer (1.25 to 2.0 mm burr size), Floppy Rota guide wire with torque device | |
| 346 | Rotational atherectomy catheter: Burr only for rotational coronary atherectomy, 1.25- 2.0 mm. | |

| | | |
|---|---|---|
| 347 | Rotational atherectomy catheter: Rota burr advancer only | |
| 348 | Rotational atherectomy catheter:<br>a) Floppy Rota guide wire<br>b) b) Extra-support wire | |
| 349 | IVUS catheter only: Intracoronary intravascular Ultrasound catheter, 40 MHz, with Mechanical Transducer compatible with existing iLab (Boston) IVUS machine. | |
| 350 | IVUS catheter only: Intracoronary intravascular Ultrasound catheter, 60 MHz HD catheter, with Mechanical Transducer compatible with existing iLab (Boston) IVUS machine. | |
| 351 | IVUS catheter Pullback Sledge only compatible with existing iLab (Boston) machine. | |
| 352 | HD IVUS catheter with options to choose optimal frequency of 40 MHz or 60 MHz with the same catheter for intravascular Ultrasound compatible with existing iLab (Boston). | |
| 353 | Guide catheter for intracoronary OCT should be 0.014" guide wire and 6 F guide catheter compatibility. Lubricous hydrophilic coating and low tip entry profile for crossing tight, distal lesions with 2.7 F crossing profile, the Lens marker should be immediately proximal to imaging lens and the distance of lens marker from tip should be 23 mm and proximal marker at 82 mm from the lens marker. | |
| 354 | Aspiration thromoctomy catheter, Available in 6F, 7F both. Must have entry profile of 0.019 inch,6.0 mm tipfor making aspirationinlet to come closer to the target thrombus and 10 cm depth and 40 cm distal hydrophillic coating. Eliminate PMDA | |
| 355 | deflectable Quadripolar E.P. Catheters, allcurve, compatible with the existing Cordis EP system. | |
| 356 | Bidirectional 7F E.P. catheter with tip electrode of 4 and 5mm, all curves, compatible with the existing Cordis EP system. | |
| 357 | Fix Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm with connectors, compatible with the existing Cordis EP system. | |
| 358 | Fix Quadripolar pacing lead 6F/7F with inter-electrode distance of 5 mm without connectors, compatible with the existing Cordis EP system. | |
| 359 | 4-mm tip Quadripolar tip deflectable RF ablation catheter 7F, all curves, and compatible with the existing Cordis EP system. | |
| 360 | Thermocool ablation catheter, compatible with the existing Cordis EP system. | |
| 361 | Regular thermistor/thermocouple RF ablation catheter, 4mm tip, compatible with the existing Cordis EP system. | |
| 362 | ImpedancepatchesforelectroanatomicalmappingforusewithVelocityMappingSystem. | |
| 363 | ImpedancepatchescompatiblewithIBIRFgenerator. | |
| 364 | Introducer sheath with hemostatic valve and locking hub(8F/8.5F,12cm). | |
| 365 | Introducer sheath with 2 port hemostatic valve and locking hub(10&12F,12cm) | |
| 366 | Introducer sheath with 3 port hemostatic valve and locking hub (12&14F,12cm) | |
| 367 | Connector for radio frequency ablation catheter compatible with IBIR Fablator and catheter of any make | |
| 368 | Radio frequency ablation catheter(unidirectionaldef.curve,6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector | |
| 369 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cm insertion length, Single long Thermocouple Sensor compatible with Stockert ablator with connector | |
| 370 | Irrigated tip ablation catheter,Polyurethane coating with bidirectional deflectable curve, 7Fr size with 3.5mm tipelectrode , 6 side-holes for open loop irrigation at the tipelectrode , 2-5-2 mm inter-electrode, spacing/115cminsertionlength,SingleThermocouple, Sensor, compatible with Stockert ablator with connector. | |
| 371 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system(7.5F) with connector | |
| 372 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro- | |
| 373 | Connector for radio frequency ablation catheter compatible with IBIRF ablator and catheter of anymake | |
| 374 | Connector for radio frequency ablation catheter compatible with Stocker tablatorandcatheterofanymake | |
| 375 | Radio frequency ablation catheter (unidirectional deflectable. curve, 6 / 7Fr size with 4mm tip electrode, 2-5-2 mm inter-electrode, spacing/ 92-115cm insertion length, Single Thermistor/Thermocouple Sensor compatible with Stockert ablator with connector. | |

| | | |
|---|---|---|
| 376 | Radiofrequency ablation catheter (Polyurethane coating with Bi-directional deflectable curve, 7 Fr size with 8mm tip electrode and 1-6-2 mm inter-electrode, spacing/115cminsertion length, Single long Thermocouple Sensor compatible with Stockert ablator with connector. | |
| 377 | Irrigated tip ablation catheter, Polyurethane coating with bi-directional deflectable curve, 7Fr size with 3.5mm tip electrode, 6 side-holes for open loop irrigation at the tipelectrode, 2-5-2 mm inter-electrode, spacing /115 cm insertion length, Single Thermocouple, Sensor, compatible with Stockert ablator with connector. | |
| 378 | Regular Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system (7.5F) with connector. | |
| 379 | Irrigation tip Navigation System Catheters for Mapping and Ablation compatible with magnetic based 3D electro-anatomical system (7.5F) with connector. | |
| 380 | Pre-shape designed EPS catheter to map Crista Terminals (7F). | |
| 381 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electro-anatomical mapping system (7F) | |
| 382 | High Density Mapping Catheter, 5 Spline, 20 electrode compatible with magnetic based 3D electroanatomical mapping system(7F) | |
| 383 | External disposable non-sterileg elelectrode compatible to magnetic-based 3D Mapping system. | |
| 384 | In different Patch Electrode (Reusable) for Stockert with connecting cable | |
| 385 | Tubing for Irrigated Catheters compatible with cool flow pump. | |
| 386 | Fixed curve Quadripolar Electrophysiology catheter (allcurve,5-7F) with connector. | |
| 387 | Fixed Quadripolar catheter Pre-curve shape for HIS position. | |
| 388 | Deflectable Quadripolar Electrophysiology catheter (allcurve,5-7F) with connector. | |
| 389 | Fixed curve Decapolar catheter for Coronary sinus mapping (all curve,5-7F) with connector. | |
| 390 | Deflectable Decapolar catheter for Coronary sinus mapping (all curve,5-7F) with connector. | |
| 391 | Duo Decapolar Electrophysiology Catheter-20 Poles with Connector. | |
| 392 | Variable loop pulmonary vein Mapping Catheter compatible with magnetic based 3D electroanatomical mapping system(7F) | |
| 393 | EPS Connecting cable compatible with IBI ablator and J & J radiofrequency ablation catheter | |
| 394 | Connecting cable for 4 mm ablation catheter of all curves compatible with existing Smart Ablate RF generator | |
| 395 | Connecting cable for Magnetic sensor catheters compatible with 3D Carto3 mapping system | |
| 396 | 4 mm RF ablation catheter 6-7 Fr all curves compatible with existing Smart Ablate RF generator | |
| 397 | Irrigation Thermocool RF ablation catheter all curves compatible with existing Smart Ablate RF generator | |
| 398 | Irrigation Bi-directional RF ablation catheter all curves compatible with existing Smart Ablate RF generator | |
| 399 | 4 mm Bi-directional RF ablation catheter all curves compatible with existing Smart Ablate RF generator | |
| 400 | Tubing for irrigation catheter compatible with existing Smart Ablate coolflow pump | |
| 401 | Bi-directional irrigation tip navigation system catheters for mapping and ablation compatible with magnetic based Carto3 system | |
| 402 | Navigational deflectable decapolar catheter for mapping and creating geometry compatible with Carto3 system | |
| 403 | 7 Fr high density mapping catheter with 8 splines, sensor enabled compatible with magnetic based Carto3 system | |
| 404 | Contact force sensing catheter with force direction vector, surround flow, with 56 holes, bi-directional movement, shaft visualization compatible with Carto3 mapping and RF ablation system | |
| 405 | Deflectable decapolar catheter for CS, 5 Fr, push pull handle | |
| 406 | Bi-Directional steerable Guiding sheath, 8.5 F, allows for sheath visualization on the Magnetic based 3D Mapping System map during a procedure without depending solely on fluoro, | |
| 407 | Intracardiac echocardiography for Electrophysiology, four ways steering to 160-degree, French size: 10 F & 8 F, length: ≥90 cms, Have the ability to create the geometry of lefe side heart for right side, compatible with CARTO system. | |

| | | |
|---|---|---|
| 408 | 8F-Irrigated Bidirectional 16 Electrode ,2F Splines, 3 mm spacing , 1mm electrode size,High Density Sensor Enable Mapping CathterComaptible with Ensite Mapping system | |
| 409 | Irrigated Bi- Directional ablation Catheter with Flexible tip 1-4-1, Symmetric and asymmetric option | |
| 410 | Contact Force Sensor Enable Catheter with Fiber optic Technology for force detection 3.5 MM tip Electrode 8F , Six Saline irrigation hole, 2-2-2 ring spacing, | |
| 411 | Cool Point Tubing Set for Irrigated RF Catheter with dedicated pressure sensor and compatible | |
| 412 | IABP balloons with accessories for insertion, compatible with the existing Data scope CS300 machine (with required connector). Sizes available in 20, 24/25, 30/32, 34/36, 40 ml, Versatile, Optimal balloon diameter and lengths meet clinical demands (2.0 -5.0 mm diameters) (6.30mm, lengths) | |
| 413 | Non-Complaint Balloon with diameter 2 mm to 5 mm. Length 06 to 30mm, Entry Profile < 0.016inch, Balloon should have good Hydrophilic Coating. RBP 20 atm, Metallic Marker, ultra – Low Crossing Profile to cross through stent struts and calcified lesions, Balloon Crossing Profile: from 0.029” up to 0.037”, 2 metallic platinum iridium radio paque markers. | |
| 414 | High pressure non-compliant balloon with RBP 20 atm, smooth, rounded distal tip and no edge over-dilatation at higher pressure; with least balloon overhang at the edges, Available Diameter(mm): 5.0, 5.5, 6.0,6.5,7.0, along with other available sizes, Length(mm):06 to 30 mm. | |
| 415 | PTCA Pre-dilatation semi-compliant balloon, monorail/rapid exchange. Ultra-low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Specific technology used in the shaft for kink resistance, tip entry profile of <0.016” and crossing profile of <0.0220” in the smallest available size balloon. Diameters (mm): 1.0, 1.2/1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 2.75,3.0, Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to ≥20 mm in larger diameter balloons. | |
| 416 | PTCA Pre-dilatation Semi Compliant Balloon with diameter <1.5mm to 5 mm. Length 10 mm to 40 mm, Entry Profile 0.017 inch, Crossing Profile .024 inches. Rapid exchange catheter (RX), Semi – compliant: 10-15 %, Compatible with 5F Guiding Catheter, 2 metallic platinum iridium radiopaque markers, NP: 6 ATM I RBP: 16 ATM, Metallic Marker. Hydrophilic Coating, | |
| 417 | Material-PVC, PU, PTFE, Hydrophilic coated HDPE smooth flow and smooth interaction | |
| 418 | Material-PC, PVC HDPE, ABS, Silicon content color know manifold, pm line, control syringe, iv sets, haemostatic y-connector, torque device, insertion tool, inflation device, introducer needle, HPT, syringe, contrast media sets, 3way stop cock, customized products | |
| 419 | Material-PTFE, Pebax and Braided 304 stainless steel wire liner, Hydrophilic coated high strength flat wire mesh patient soft radiopaque and altraumatic soft tip for an easy passage without damaging the intima double inner mesh torque 1:1 enhance optimum push ability, stability, visibility | |
| 420 | Material- SS, Nitinol, PTFE, Hydrophilic coated, double jacket wire torque 1:1 core to tip supportive proximal shaft increased push ability | |
| 421 | Coronary microcatheter, Optimal flexibility, Outstanding trackability, Superior crossability and penetration capacity, Complete GUIDE WIRE control, Over the wire catheter (O T W), GUIDE WIRE Compatibility 0.014”, Usable catheter length 135 and 150cm, Radiopaque markers, Internal PTFE layer, Hydrophilic coating: 70 and 90 cm, | |
| 422 | Thrombus extraction catheter, Aspiration Catheter 6 Fr with Aspiration capacity 1.80cc/s amdexyraction area 1.04mm2 Proximal and 0.89mm distal. Inner layer PTFE coated. Should offered with Stylet, Coating of the aspiration catheter Hydrophilic, Tip Entry Profile 0.021" , Crossing Profile 0.049" Working Catheter Length 140cm, Minimum Guide Catheter 6F, Markers 1 at the tip and 1 at 15 mm from the tip, Extraction area 1.04 mm2 proximal and 0.89 mm2 distal , Recommended GUIDE WIRE 0.014” , Catheter shaft (diameter) 1.4 mm = 4.2F proximal and 1.6 mm = 4.9F distal , Rapid exchange length 17.5 cm , Superior extraction capability: 0.99 mm2 ( 6F) – 1.39 mm2 ( 7F), PTFE inner layer specially designed to minimize friction and assure fast thrombus removal , 2 radiopaque markers ensure accurate positioning at all times. | |
| 423 | Peripheral long balloon, semi compliant, various diameters of ≤4 to ≥8 mm. Length: ≤30 to ≥100 mm, Usable catheter length: 80Cm, 140cm, & 200cm, Crossing profile from 0.057” up to 0.083” OTW, GUIDE WIRE compatibility: 0.035”. | |
| 424 | Peripheral long balloon, semi compliant, various diameters of ≤4mm to ≥8 mm. Length: ≤30 to ≥100 mm. Tip profile: 0.019”max, Crossing profile: from 0.029” up to 0.057” (OTW) Usable Catheter lengths: 100cm, 14cm, or 150cm, Recommended GUIDE WIRE | |

| | | |
|---|---|---|
| | : 0.018" ( 0.014" compatible), | |
| 425 | Paclitaxel drug coated / eluting coronary balloon. 2 Pt/Lr radiopaque markers, hydrophilic coating hydrax Plus. 2 distal shafts :2.6F (Ø < 3), 2.7F (Ø > 3.25), Diameter (mm) 2.0, 2.5, 2.75, 3.0, 3.5,4.0,4.5, Length (mm) 12/15mm to > 40mm in various lengths. | |
| 426 | USFDA & JAPAN PMDA APPROVED Intravascular Imaging catheter for detection of Lipid Core Plaques (LCP) and assessment of vessel structure with an automatically adjustable frequency bandwidth of 35-65 MHz depending on the need of the calcium with a pullback speed upto 2mm/sec and a pullback length if 150 mm. Catheter working length of 160 cm. USFDA, Japan PMDA, CE, DCGI | |
| 427 | Japanese PMDA approved One-Touch release Inflation Device for quick deflation with minimal effort with Ergonomic handle designed for easy rotation during inflation and deflation. 25 mL syringe volume to address a full range of balloon sizes (both large and small) | |
| 428 | Available in two stopcock varieties and two tubing lengths and Kink-resistant tubing. USFDA, Japan PMDA, CE, DCGI | |
| 429 | Y connector with dual valve- one with push pull and other with screw type with ability to lock push and pull mechanism, with upto 10 Fr compatibility and above 3.25mm inner diameter and 90 mm length. USFDA, Japan PMDA, CE, DCGI | |
| 430 | Should register pressures from VAC to 30 atmospheres (VAC to 441 psi) with a threaded plunger and locking switch which allow for the generation and sustaining of pressure and three way stop cock for use during preparation of the device and in conjunction with interventional devices. The pressure display glows in dark for easy visibility. Ergonomic and easy to use. | |
| 431 | USFDA & JAPAN PMDA APPROVED Intravascular Imaging catheter for detection of Lipid Core Plaques (LCP) and assessment of vessel structure with an automatically adjustable frequency bandwidth of 35-65 MHz depending on the need of the calcium with a pullback speed upto 2mm/sec and a pullback length if 150 mm. Catheter working length of 160 cm. USFDA, Japan PMDA, CE, DCGI | |
| 432 | Japanese PMDA approved One-Touch release Inflation Device for quick deflation with minimal effort with Ergonomic handle designed for easy rotation during inflation and deflation. 25 mL syringe volume to address a full range of balloon sizes (both large and small)Available in two stopcock varieties and two tubing lengths and Kink-resistant tubing. USFDA, Japan PMDA, CE, DCGI | |
| 433 | Y connector with dual valve- one with push pull and other with screw type with ability to lock push and pull mechanism, with upto 10 Fr compatibility and above 3.25mm inner diameter and 90 mm length. USFDA, Japan PMDA, CE, DCGI | |
| 434 | Should register pressures from VAC to 30 atmospheres (VAC to 441 psi) with a threaded plunger and locking switch which allow for the generation and sustaining of pressure and three way stop cock for use during preparation of the device and in conjunction with interventional devices. The pressure display glows in dark for easy visibility. Ergonomic and easy to use. | |
| 435 | Impella Pump catheters with all accessories for use 2.25 liter pump | |
| 436 | .014" Extra support One Piece core wire with jointless Spring coil with Sion Tech, having composite core with ACTONE Inside, lowest tip load .3g, length tip radiopacity 3cm, pre-shaped tip, 52 cm hydrophilic coating | |
| 437 | PTCA Pre-dilatation non-compliant rapid exchange balloon with RBP more than 20atm, Hydrophilic coated on balloon and shaft & lowest crossing profile less than 0.020" for crossing difficult to cross CTO lesions, having smallest balloon size of 0.8±0.1 mm diameter and Length (mm): 6/8 to 10/15. | |
| 438 | Mitral Valvoplasty double Lumen PTMC balloon with vent tube and no hole in the outer layer of the balloon, different sizes, without accessories. | |
| 439 | Mitral Valvoplasty double Lumen PTMC balloon with vent tube and no hole in the outer layer of the balloon, different sizes, with all accessories. | |
| 440 | Semi-complaint & Non-complaint paclitaxel coated drug eluting balloon | |
| 441 | Intravascular Lithotripsy Intuitive Catheter with rapid exchange system for treating highly calcified lesions, - in various sizes and diameters | |
| 442 | Intravascular Lithotripsy Intuitive Catheter with over the wire system for treating highly calcified lesions, - in various sizes and diameters | |
| 443 | PTCA Pre-dilatation semi-compliant tapered balloon shape, monorail/rapid exchange. Ultra low entry profile with 5F guide catheter compatible, Hydrophilic coating of the distal monorail part. Tip entry profile of <0.016" in the smallest available size balloon. Radio-opaque marker for visibility.<br>Diameters (mm): 1.0, 1.2/1.25, 1.5, 2.0, 2.25, 2.5, 2.75, 3.0,3.5,4.0.<br>Length: 5-6 mm available in smaller sizes for crossing difficult to cross CTO lesions to | |

| | | |
|---|---|---|
| | ≥20 mm in larger diameter balloons. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 444 | High pressure Non-compliant PTCA balloon with RBP ≥20 to <30 ATM in all sizes; tapered balloon tip to 4mm with lowest shoulder angle to 32 deg;, hydrophilic coating. Available diameters (mm): 1.5 to 4.5 mm including odd diameters 1.75, 2.25, 2.75, 3.25, 3.75, 4.25 mm in various lengths(mm): ≤10 mm to ≥20 mm. (Only manufacturers/firms having all mentioned diameters and lengths will be considered.) | |
| 445 | PTCA Pre-dilatation semi-compliant balloon with track plus tip technology minimizing flaring of tip in calcific lesions. | |
| 446 | High pressure Non-compliant PTCA balloon with track plus tip technology minimizing flaring of tip in calcific lesions. | |

| | **Devices (CEID) and related products. SECTION - III** | |
|---|---|---|
| **Serial No.** | **Name of the Article with Specification** | **100% Technically complied (Yes / No) Supporting Document to be submitted** |
| 1 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible passive-fixation tined lead & lead introducer. (Golden parameters:(i) introducer sheath size ≤6F(ii) Automatic capture) | |
| 2 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible active-fixation screw-in lead & lead introducer. (Golden parameters:(i) introducer sheath size ≤6F(ii) Automatic capture) | |
| 3 | Digital multi-programmable pacemaker pulse generator. Mode: single chamber: VVI/AAI. Pulse generator compatible with above leads (Sl. No. 1 & 2) | |
| 4 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatible with Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible passive-fixation tined lead & lead introducer. (Golden parameters: (i) introducer sheath size ≤6F, (ii) 1.5 Tesla MRI compatibility(iii) Automatic capture) | |
| 5 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatible with Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible active-fixation screw in lead & lead introducer. (Golden parameters: (i) introducer sheath size ≤6F, (ii) 1.5 Tesla MRI compatibility(iii) Automatic capture) | |
| 6 | Digital multi-programmable pacemaker pulse generator, 1.5 Tesla MRI compatible. Mode: single chamber: VVI/AAI. Pulse generator compatible with above leads (Sl. No. 4 & 5) (Golden parameters: 1.5 Tesla MRI compatibility) | |
| 7 | Digital multi-programmable pacemaker with lifetime warranty, 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible passive-fixation tined lead & lead introducer. (Golden parameters: (i) introducer sheath size ≤6F, (ii) 3 Tesla MRI compatibility(iii) Automatic capture) | |
| 8 | Digital multi-programmable pacemaker with lifetime warranty, 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch. Mode: single chamber: VVI/AAI. With ≤6F compatible active-fixation screw in lead & lead introducer. (Golden parameters: (i) introducer sheath size ≤6F, (ii) 3 Tesla MRI compatibility(iii) Automatic capture) | |
| 9 | Digital multi-programmable pacemaker pulse generator, 3 Tesla MRI compatible. Mode: single chamber: VVI/AAI. | |

| | | |
|---|---|---|
| | Pulse generator compatible with above leads (Sl. No. 7 & 8)<br>(Golden parameters: 3 Tesla MRI compatibility) | |
| 10 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) 1.5 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture) | |
| 11 | Pulse generator only for serial number 10.<br>(Golden parameters: (i) 1.5 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF,(iv) Automatic capture) | |
| 12 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) 3 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture). | |
| 13 | Pulse generator only for serial number 12.<br>(Golden parameters: (i) 3 T MRI, (ii) >10 year life with 100% pacing, (iii) automated ventricular rate stabilization in AF, (iv) Automatic capture) | |
| 14 | Digital multi-programmable pacemaker with lifetime warranty<br>Mode: Dual chamber VDD (with separate atrial and ventricular leads). With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA/RV. With advanced features like automatic AV search, to minimize RV pacing.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters:(i) >10 year life with 100% pacing,<br>(ii) automated AV search(iii) Automatic capture) | |
| 15 | Pulse generator only for serial number 14.<br>(Golden parameters:(i) >10 year life with 100% pacing,<br>(ii) automated AV search(iii) Automatic capture) | |
| 16 | Digital multi-programmable pacemaker with lifetime warranty<br>Mode: Dual chamber VDD (with separate atrial and ventricular leads) with 1.5 Tesla MRI compatible.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters(i)1.5 T MRI compatibility, (ii) introducer sheath size ≤6F) | |
| 17 | Pulse generator only for serial number 16.(Golden parameters:1.5 T MRI compatibility) | |
| 18 | Digital multi-programmable pacemaker with lifetime warranty<br>Mode: Dual chamber VDD (with separate atrial and ventricular leads) with full body 3 Tesla MRI compatible.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i)3 T MRI compatibility, (ii) introducer sheath size ≤6F )) | |
| 19 | Pulse generator only for serial number 18.<br>(Golden parameters:3 T MRI compatibility) | |
| 20 | Digital multi-programmable pacemaker with lifetime warrantywith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDD.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) Automatic capture) | |
| 21 | Pulse generator only for serial number 20. | |
| 22 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDD.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters (i)1.5 T MRI compatibility, (ii) introducer sheath size ≤6F, (iii) Automatic capture) | |
| 23 | Pulse generator only for serial number 22.<br>(Golden parameters:1.5 T MRI compatibility) | |

| | | |
|---|---|---|
| 24 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDD.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters:(i) 3T MRI compatibility, (ii) introducer sheath size ≤6F, (iii) Automatic capture) | |
| 25 | Pulse generator only for serial number 24.<br>(Golden parameters:3 T MRI compatibility) | |
| 26 | Digital multi-programmable pacemaker with lifetime warrantywith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) | |
| 27 | Pulse generator only for serial number 26.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) longevity of >10 years with 100% pacing of RA & RV, (iii) Automatic capture.) | |
| 28 | Digital multi-programmable pacemaker with lifetime warranty, 1.5 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) 1.5 T MRI (iv) Automatic capture) | |
| 29 | Pulse generator only for serial number 28.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) 1.5 T MRI(iii) Automatic capture) | |
| 30 | Digital multi-programmable pacemaker with lifetime warranty, full body 3 Tesla MRI compatiblewith Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand algorithm for neurocardiogenic syncope.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) 3 T MRI (iv) (iii) Automatic capture) | |
| 31 | Pulse generator only for serial number 30.<br>(Golden parameters: (i) adjustable AV delay extendable to 400 ms, (ii) 3 T MRI, (iii) Automatic capture) | |
| 32 | Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 33 | Pulse generator for serial no. 32 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead). | |
| 34 | Biventricular cardiac resynchronization (CRT-P) device with bipolar LV lead, 1.5 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 35 | Pulse generator for serial no. 34 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead, 1.5 T MRI compatible). | |
| 36 | Biventricular cardiac resynchronization (CRT-P) device with bipolar LV lead, full body 3 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer | |

| | | |
|---|---|---|
| | sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 37 | Pulse generator for serial no. 36 (Biventricular cardiac resynchronization (CRT-P) device with bi-polar LV lead, 3 T MRI compatible). | |
| 38 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 39 | Pulse generator for serial no. 38 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead). | |
| 40 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 1.5 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 41 | Pulse generator for serial no. 40 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 1.5 T MRI compatible). | |
| 42 | Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, full body 3 Tesla MRI compatible.<br>With ≥4 vector for pacing from LV lead, having dedicated subselect catheter for cannulation of selective coronary sinus branch, having both peel-away and slittable LV lead introducer sheath.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 43 | Pulse generator for serial no. 42 (Biventricular cardiac resynchronization (CRT-P) device with Quadripolar LV lead, 3 T MRI compatible). | |
| 44 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 45 | Pulse generator for serial no. 44 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead). | |
| 46 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 1.5 Tesla MRI compatible. Device with all leads (passive tined or active screwing) and introducers. | |
| 47 | Pulse generator for serial no. 46 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 1.5 T MRI compatible). | |
| 48 | Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 49 | Pulse generator for serial no. 48 (Biventricular cardiac resynchronization (CRT-P) device with epicardial LV lead, 3 T MRI compatible). | |
| 50 | Combo device (CRT-D) with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 51 | Pulse generator for serial no. 50 (Combo device (CRT-D) with bipolar LV lead.) | |
| 52 | Combo device (CRT-D) with bipolar LV lead. 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 53 | Pulse generator for serial no. 52 (Combo device (CRT-D) with bipolar LV lead. 1.5 Tesla MRI compatible.) | |
| 54 | Combo device (CRT-D) with bipolar LV lead. Full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 55 | Pulse generator for serial no. 54 (Combo device (CRT-D) with bipolar LV lead. 3 Tesla MRI compatible.) | |
| 56 | Combo device (CRT-D) with bipolar LV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 57 | Pulse generator for serial no. 56. | |
| 58 | Combo device (CRT-D) with bipolar LV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead. Device with all leads (passive tined or active screwing) and introducers. | |
| 59 | Pulse generator for serial no. 58 | |
| 60 | Combo device (CRT-D) with bipolar LV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead. | |

| | | |
|---|---|---|
| | Device with all leads (passive tined or active screwing) and introducers. | |
| 61 | Pulse generator for serial no. 60 | |
| 62 | Combo device (CRT-D) with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 63 | Pulse generator for serial no. 62 (Combo device (CRT-D) with Quadripolar LV lead.) | |
| 64 | Combo device (CRT-D) with Quadripolar LV lead. 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 65 | Pulse generator for serial no. 64 (Combo device (CRT-D) with Quadripolar LV lead. 1.5 Tesla MRI compatible.) | |
| 66 | Combo device (CRT-D) with Quadripolar LV lead. Full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 67 | Pulse generator for serial no. 66 (Combo device (CRT-D) with Quadripolar LV lead. 3 Tesla MRI compatible.) | |
| 68 | Combo device (CRT-D) with Quadripolar LV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 69 | Pulse generator for serial no. 68 | |
| 70 | Combo device (CRT-D) with Quadripolar LV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 71 | Pulse generator for serial no. 70 | |
| 72 | Combo device (CRT-D) with Quadripolar LV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥15 pacing vectors with the Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 73 | Pulse generator for serial no. 72 | |
| 74 | Combo device (CRT-D) with bipolar LV lead, with DF-4 connector of RV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 75 | Pulse generator for serial no. 74 | |
| 76 | Combo device (CRT-D) with bipolar LV lead, DF-4 connector of RV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 77 | Pulse generator for serial no. 76 | |
| 78 | Combo device (CRT-D) with bipolar LV lead, DF-4 connector of RV lead, full body 3 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), possibility of ≥5 pacing vectors with bipolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 79 | Pulse generator for serial no. 78 | |
| 80 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 81 | Pulse generator for serial no. 80 | |
| 82 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead, 1.5 Tesla MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 83 | Pulse generator for serial no. 82 | |
| 84 | Combo device (CRT-D) with Quadripolar LV lead, DF-4 connector of RV lead, full body 3T MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc), with possibility of ≥15 pacing vectors with Quadripolar LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |

| | | |
|---|---|---|
| 85 | Pulse generator for serial no. 84 | |
| 86 | Combo device (CRT-D) with epicardial LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 87 | Pulse generator for serial no. 86 | |
| 88 | Combo device (CRT-D) with epicardial LV lead, 1.5 Tesla MRI compatible. Device with all leads (passive tined or active screwing) and introducers. | |
| 89 | Pulse generator for serial no. 88 | |
| 90 | Combo device (CRT-D) with epicardial LV lead, full body 3T MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 91 | Pulse generator for serial no. 90 | |
| 92 | Implantable cardioverter defibrillator: Single chamber.<br>Device with lead (passive tined or active screwing) | |
| 93 | Pulse generator for serial no. 92 (Implantable cardioverter defibrillator: Single chamber.) | |
| 94 | Implantable cardioverter defibrillator: Single chamber, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) | |
| 95 | Pulse generator for serial no. 94 (Implantable cardioverter defibrillator: Single chamber, 1.5 T MRI compatible.) | |
| 96 | Implantable cardioverter defibrillator: Single chamber, full body 3T MRI compatible.<br>Device with lead (passive tined or active screwing) | |
| 97 | Pulse generator for serial no. 96 (Implantable cardioverter defibrillator: Single chamber, 3 T MRI compatible.) | |
| 98 | Implantable cardioverter defibrillator: Single chamber with DF-4 header.<br>Device with lead (passive tined or active screwing) and introducers. | |
| 99 | Pulse generator for serial no. 98 (Implantable cardioverter defibrillator: Single chamber with DF-4 header) | |
| 100 | Implantable cardioverter defibrillator: Single chamber with DF-4 header, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducers. | |
| 101 | Pulse generator for serial no. 100 (Implantable cardioverter defibrillator: Single chamber with DF-4 header, 1.5 T MRI compatible.) | |
| 102 | Implantable cardioverter defibrillator: Single chamber with DF-4 header, full body 3T MRI compatible.<br>Device with lead (passive tined or active screwing) and introducers. | |
| 103 | Pulse generator for serial no. 102 (Implantable cardioverter defibrillator: Single chamber with DF-4 header, 3 T MRI compatible.) | |
| 104 | Implantable cardioverter defibrillator: Dual chamber.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 105 | Pulse generator for serial no. 104 (Implantable cardioverter defibrillator: Dual chamber.) | |
| 106 | Implantable cardioverter defibrillator: Dual chamber, 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 107 | Pulse generator for serial no. 106 (Implantable cardioverter defibrillator: Dual chamber, 1.5 T MRI compatible.) | |
| 108 | Implantable cardioverter defibrillator: Dual chamber, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 109 | Pulse generator for serial no. 108 (Implantable cardioverter defibrillator: Dual chamber, 3 T MRI compatible.) | |
| 110 | Implantable cardioverter defibrillator: Dual chamber. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 111 | Pulse generator for serial no. 110 | |
| 112 | Implantable cardioverter defibrillator: Dual chamber, 1.5 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 113 | Pulse generator for serial no. 112 | |
| 114 | Implantable cardioverter defibrillator: Dual chamber, full body 3 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc. | |

| | | |
|---|---|---|
| | Device with all leads (passive tined or active screwing) and introducers. | |
| 115 | Pulse generator for serial no. 114 | |
| 116 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 117 | Pulse generator for serial no. 116 | |
| 118 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header, with 1.5 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 119 | Pulse generator for serial no. 118 | |
| 120 | Implantable cardioverter defibrillator: Dual chamber with DF-4 header, with full body 3 Tesla MRI compatible. Less weight (approx ≤60±5 gm.) and small volume (approx ≤25±5 cc) with advanced features of automatic AV search, adjustable AV delay etc.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 121 | Pulse generator for serial no. 120 | |
| 122 | Subcutaneous ICD.<br>Device with lead and all accessories for implantation | |
| 123 | Pulse generator for serial no. 122 | |
| 124 | MRI compatible subcutaneous ICD.<br>Device with lead and all accessories for implantation | |
| 125 | Pulse generator for serial no. 124 | |
| 126 | Permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). | |
| 127 | 1.5 Tesla MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). | |
| 128 | 3 Tesla full body MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **passive fixation with tines**), steroid eluting, IS-1 header with the introducer sheath and puncture set (PLI). | |
| 129 | Permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in lead**) with IS-1 header with the introducer sheath and puncture set (PLI). | |
| 130 | 1.5 Tesla MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in** lead) with IS-1 header with the introducer sheath and puncture set (PLI). | |
| 131 | 3 Tesla full body MRI compatible permanent pacing lead (ventricular/atrial endocardial bipolar, **active fixation steroid eluting screw in** lead) with IS-1 header with the introducer sheath and puncture set (PLI). | |
| 132 | Unipolar, MRI compatible, epicardial permanent screw-in pacing lead, steroid eluting, IS-1 header with the deploying kit and introducer set. | |
| 133 | Bipolar, MRI compatible, epicardial permanent screw-in pacing lead, steroid eluting, IS-1 header with the deploying kit. | |
| 134 | MRI compatible short (45±3 cm) endocardial bipolar pacing lead with introducer sheath and puncture set (PLI). | |
| 135 | Only introducer kit for endocardial RA/RV/ICD leads (without leads), 6F, 7F, 8F. | |
| 136 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-1 header, with the introducer kit and puncture set (PLI). Tined end | |
| 137 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-1 header, with the introducer kit and puncture set (PLI). Screw in lead | |
| 138 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 1.5 Tesla full body MRI compatible.<br>Tined lead | |
| 139 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 1.5 Tesla full body MRI compatible.<br>Screw lead | |
| 140 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 3 Tesla full body MRI compatible.<br>Tined lead | |

| | | |
|---|---|---|
| 141 | Permanent defibrillation lead, bipolar, endocardial steroid eluting leads, DF-1 header, with the introducer sheath and puncture set (PLI). 3 Tesla full body MRI compatible.<br>Screw lead | |
| 142 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, with DF-4 header, with the introducer kit and puncture set (PLI).<br>Tined end | |
| 143 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, with DF-4 header, with the introducer kit and puncture set (PLI).<br>Screw end | |
| 144 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible.<br>Tined end | |
| 145 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible.<br>Screw end | |
| 146 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible.<br>Tined end | |
| 147 | Permanent defibrillation lead, bipolar, endocardial steroid eluting tipped, DF-4 header, with the introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible.<br>Screw end | |
| 148 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI). | |
| 149 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible. | |
| 150 | Bipolar endocardial LV lead with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. | |
| 151 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI). | |
| 152 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI), 1.5 Tesla MRI compatible. | |
| 153 | Quadripolar endocardial LV lead with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. | |
| 154 | Quadripolar endocardial LV lead for multisite pacing with introducer kit and puncture set (PLI), full body 3 Tesla MRI compatible. | |
| 155 | CS cannulation kit only (without the LV lead) with all accessories like sheath, puncture needle, syringe, 0.035” long guidewire. | |
| 156 | External event recording of upto one week of arrhythmic events, portable, easy to operate with 1/3 lead system and easy operation by patient/relatives at home. | |
| 157 | Patch type External event recorder, disposable, wireless, easy to use smart biosensor, shower-proof for recording upto one week of arrhythmic events, and easy operation by patient/relatives at home. | |
| 158 | Implantable event/loop recorder for recording of arrhythmic events for prolong period of upto 2 years. | |
| 159 | Digital multi-programmable pacemaker with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: VVIR<br>Device with lead and all accessories | |
| 160 | Pulse generator for serial no. 159 | |
| 161 | Digital multi-programmable pacemaker with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: DDDR<br>Device with leads and all accessories | |
| 162 | Pulse generator for serial no. 161 | |
| 163 | CRT-D with features of automatic detection of MRI and conditioning whenever the device/patient comes to an MRI environment or MR room for MRI and with automatic timeout | |

| | | |
|---|---|---|
| | feature, bringing back the normal settings whenever the set window period is over.<br>Mode: CRT-D with bipolar LV lead<br>Device with leads and all accessories | |
| 164 | Pulse generator for serial no. 163 | |
| 165 | CRT-D with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: CRT-D with Quadripolar LV lead<br>Device with leads and all accessories | |
| 166 | Pulse generator for serial no. 165 | |
| 167 | Single chamber ICD with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: ICD (single chamber)<br>Device with leads and all accessories | |
| 168 | Pulse generator for serial no. 167 | |
| 169 | Dual chamber ICD with features of automatic detection of MRI and conditioning whenever the device comes to an MRI environment or MR room for MRI and with automatic timeout feature, bringing back the normal settings whenever the set window period is over.<br>Mode: ICD (Dual chamber)<br>Device with leads and all accessories | |
| 170 | Pulse generator for serial no. 169 | |
| 171 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 172 | Pulse generator for serial no. 171 | |
| 173 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, 1.5 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 174 | Pulse generator for serial no. 173 | |
| 175 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, full body 3 Tesla MRI compatible.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 176 | Pulse generator for serial no. 175 | |
| 177 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead. DF-4 RV lead<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 178 | Pulse generator for serial no. 177 | |
| 179 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, DF-4 RV lead, 1.5 Tesla MRI compatible<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 180 | Pulse generator for serial no. 179 | |
| 181 | Combo device (CRT-D) with Quadripolar LV lead having features of multi-site pacing from LV lead, DF-4 RV lead, 3 Tesla full body MRI compatible. Less weight (approx ≤75±5 gm.) and small volume (approx ≤30±6 cc).<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 182 | Pulse generator for serial no. 181 | |
| 183 | Digital multi-programmable pacemaker with limited warranty for 10 years.<br>Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AF and with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) Automatic capture) | |
| 184 | Pulse generator for serial no. 183 | |
| 185 | Digital multi-programmable pacemaker with limited warranty for 10 years, 1.5 Tesla MRI compatible. | |

| | | |
|---|---|---|
| | Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 1.5 T MRI compatibility, (iv) Automatic capture) | |
| 186 | Pulse generator for serial no. 185 | |
| 187 | Digital multi-programmable pacemaker with limited warranty for 10 years, full body 3 Tesla MRI compatible.<br>Mode: single chamber: VVI/AAI. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 3 T MRI compatibility,(iv) Automatic capture) | |
| 188 | Pulse generator for serial no. 187 | |
| 189 | Digital multi-programmable pacemaker with limited warranty for 10 years.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF,(iv) Automatic capture) | |
| 190 | Pulse generator for serial no. 189 | |
| 191 | Digital multi-programmable pacemaker with limited warranty for 10 years, 1.5 Tesla MRI compatible.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 1.5 T MRI compatibility, (iv) Automatic capture) | |
| 192 | Pulse generator for serial no. 191 | |
| 193 | Digital multi-programmable pacemaker with limited warranty for 10 years, full body 3 Tesla MRI compatible.<br>Mode: single chamber: VVIR/AAIR. With dynamic adjustment of pacing output. Digital high sampling rate of P/R wave and automated ventricular rate stabilization during AFand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined lead or screw in lead & lead introducer.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automated ventricular rate stabilization in AF, (iii) 3 T MRI compatibility,(iv) Automatic capture) | |
| 194 | Pulse generator for serial no. 193 | |
| 195 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec,(iv) Automatic capture) | |
| 196 | Pulse generator for serial no. 195 | |
| 197 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV. 1.5 Tesla MRI compatibleand with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec, (iv) 1.5 T MRI compatible,(v) Automatic capture) | |

| | | |
|---|---|---|
| 198 | Pulse generator for serial no. 197 | |
| 199 | Digital multi-programmable pacemaker with lifetime warranty.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), automatic intrinsic activity search, and ATP. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA &RVand with Automatic capture facility for rescue pacing and automatic lead polarity switch.Full body 3 Tesla MRI compatible.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) ≤6F sheath compatible lead, (ii) automatic threshold check, (iii) AV delay adjustable upto 400 msec, (iv) 3 T MRI compatible, (iv) Automatic capture) | |
| 200 | Pulse generator for serial no. 199 | |
| 201 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV and with closed loop stimulation.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) | |
| 202 | Pulse generator for serial no.201 | |
| 203 | Digital multi-programmable pacemaker with lifetime warranty with Automatic capture facility for rescue pacing and automatic lead polarity switch.<br>Mode: Dual chamber: DDDR. With features of automatic threshold check, auto adjusting of AV delay (extendable upto 400 ms), and automatic intrinsic activity search. With dynamic adjustment of pacing output and proven longevity of >10 years with 100% pacing of RA & RV and with minute ventilation sensor.<br>With ≤6F compatible passive-fixation tined leads or screw in leads & lead introducers.<br>(Golden parameters: (i) introducer sheath size ≤6F, (ii) adjustable AV delay extendable to 400 ms, (iii) longevity of >10 years with 100% pacing of RA & RV, (iv) Automatic capture) | |
| 204 | Pulse generator for serial no.203 | |
| 205 | Implantable cardioverter defibrillator: VDD with single lead.<br>Device with lead (passive tined or active screwing) and introducer set. | |
| 206 | Pulse generator for serial no. 205 | |
| 207 | Implantable cardioverter defibrillator: VDD with single lead, 1.5 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducer set. | |
| 208 | Pulse generator for serial no. 207 | |
| 209 | "Implantable cardioverter defibrillator: VDD with single lead, full body 3 Tesla MRI compatible.<br>Device with lead (passive tined or active screwing) and introducer set. | |
| 210 | Pulse generator for serial no. 209 | |
| 211 | Leadless pacemaker with all accessories for implantation. | |
| 212 | 3 Tesla & / 1.5 Tesla full body MRI conditional Multi-programmable, Quadripolar lead, auto capture management for RA,RV & LV, Automatic atrial anti tachy therapies, Heart failure diagnostics with trans thoracic fluid impedance measurement and rate drop response, multi-site/multipoint pacing CRT-P. | |
| 213 | Pulse generator for serial no. 212 | |
| 214 | 3 Tesla & / 1.5 Tesla full body MRI conditional Multi-programmable, Quadripolar lead, auto capture management for RA,RV & LV, Automatic atrial anti tachy therapies, Heart failure diagnostics with trans thoracic fluid impedance measurement and rate drop response, multi-site/multipoint pacing CRT-D. | |
| 215 | Pulse generator for serial no. 214 | |
| 216 | DDDR pacemaker with rate response, AF diagnostic and heart failure management. | |
| 217 | Pulse generator for serial no. 216 | |
| 218 | 3.0 Tesla DDDR pacemaker with auto rate response, AF diagnostic and heart failure management. | |

| | | |
|---|---|---|
| 219 | Pulse generator for serial no. 218 | |
| 220 | His bundle pacing system<br>A) Complete system with leads<br>B) IPG only<br>C) His bundle lead only | |
| 221 | Pulse generator for serial no. 220 | |
| 222 | 3 Tesla MRI compatible His bundle pacing system<br>A) Complete system with leads<br>B) IPG only<br>C) His bundle lead only | |
| 223 | Pulse generator for serial no. 222 | |
| 224 | Adaptor for old pacing lead to IS-I Compatible | |
| 225 | Latex free compression set with soft material for pacemaker/ICD implantation after care. | |
| 226 | Implantable cardioverter defibrillator: Single chamber. With 8 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with lead (passive tined or active screwing) and introducer set. | |
| 227 | Pulse generator for serial no. 226 | |
| 228 | "Implantable cardioverter defibrillator: Single chamber, 3 Tesla MRI compatible. With 8 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with lead (passive tined or active screwing) and introducer set. | |
| 229 | Pulse generator for serial no. 228 | |
| 230 | Implantable cardioverter defibrillator: Dual chamber with 5 years full warranty plus 3 years warranty on pro-rata basis. Device with all leads (passive tined or active screwing) and introducers. | |
| 231 | Pulse generator for serial no. 230 | |
| 232 | Implantable cardioverter defibrillator: Dual chamber, 3 Tesla MRI compatible. With 5 years full warranty plus 3 years warranty on pro-rata basis.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 233 | Pulse generator for serial no. 232 | |
| 234 | Combo device (CRT-D) with Quadripolar LV lead, with 4 years full warranty plus 2 years warranty on pro-rata basis.<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 235 | Pulse generator for serial no. 234 | |
| 236 | Combo device (CRT-D) with Quadripolar LV lead, with 4 years full warranty plus 2 years warranty on pro-rata basis. 3 Tesla MRI compatible<br>Device with all leads (passive tined or active screwing) and introducers. | |
| 237 | Pulse generator for serial no. 236 | |
| 238 | Lead locking Device for lead extraction with sleek profile, platinum iridium tip design, a working range of 0.015” – 0.023” and a working length of 65 cm. USFDA, CE, DCGI | |
| 239 | Mechanical Rotating Dilator for lead extraction with an atraumatic tip, shielded dilating blade, bidirectional mechanism and a flexible shaft available in 9F, 11F and 13F diameters and a working length of 47.5 cm. USFDA, CE, DCGI | |

**Due to the restriction in the BOQ format of CPP, the price for pulse generator and doc/extension wire shall be quoted based on the respective serial number mentioned in Annexure 4 and 11 in the tender document.**

Signature and Seal of the Bidder.....

**Annexure 12**

## SELF DECLARATION – MAKE IN INDIA PREFERENCE

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s_____ (supplier name) are local supplier meeting the requirement of minimum Local content (50%) as defined in above orders for the material against Tender No_____ Details of location at which local value addition will be made is as follows: ---------- ---------- ---------- We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory

**Annexure 13**

## PRE-CONTRACT INTEGRITY PACT

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on ------t day of the month of ----------,

**Between**

HLL Life Care Limited, a Government of India Enterprise with registered office at HLL Bhavan, Poojappura, Thiruvananthapuram 695 012, Kerala, India. (Hereinafter called "HLL", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Party.

**And**

---------- India represented by Shri ----------
(hereinafter called the "BIDDER / Seller" / Contractor which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Party.

**Preamble**

[Both HLL and BIDDER referred above are jointly referred to as the Parties]

HLL intends to award, under laid down organizational procedures, Purchase orders / contract/s against Tender /Work Order. HLL desires full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence /prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

1. Enable HLL to obtain the desired materials/ stores/equipment/ work/ project done at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement; and
2. Enable the BIDDER to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and HLL will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Clause.1. Commitments of HLL**

1.1 HLL undertakes that HLL and /or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 HLL will, during the tender process / pre-contract stage, treat all BIDDERs with equity and reason, and will provide to all BIDDERs the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERs in relation to tendering process or during the contract execution.

1.3 All the officials of HLL will report to Chief Vigilance Officer of HLL (CVO), any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

1.4 HLL will exclude from the process all known prejudiced persons and persons who would be known to have a connection or nexus with the prospective bidder.

1.5 If the BIDDER reports to HLL with full and verifiable facts any misconduct on the part of HLL's Associates (i.e. employees, agents, consultants, advisors, etc.) and the same is prima facie found to be correct by HLL, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by HLL. Further, such an Associate may be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by HLL the proceedings under the contract would not be stalled.

**Clause 2. Commitments of BIDDERs/ CONTRACTORs**

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

2.1 The BIDDER will not offer, directly or indirectly (i.e. employees, agents, consultants, advisors, etc.) any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HLL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

2.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HLL or otherwise in procuring the contract or forbearing to do or having done any act in relation to obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

2.3 The BIDDER will not engage in collusion, price fixing, cartelization, etc. with other counterparty(s).

2.4 The counterparty will not pass to any third party any confidential information entrusted to it, unless duly authorized by HLL.

2.5 The counterparty will promote and observe ethical practices within its Organization and its affiliates.

2.6 BIDDER shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

2.7 The counterparty will not make any false or misleading allegations against HLL or its Associates.

2.8 BIDDERs shall disclose the payments to be made by them to agents / brokers or any other intermediary, in connection with this bid/contract.

2.9 The BIDDER further confirms and declares to HLL that the BIDDER is the original integrator / manufacture /authorized government sponsored export entity of the defense stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to HLL or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

2.10 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of HLL or their family members, agents, brokers or any other

intermediaries in connection with the contract and the details of services agreed upon for such payments.

2.11 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

2.12 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

2.13 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of HLL, or alternatively, if any relative of an officer of HLL has financial interest /stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

2.14 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of HLL.

2.15 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract, and will not enter into any undisclosed agreement or understanding with other Bidders, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.16 The BIDDER will not commit any offence under the relevant Indian Penal Code, 1860 or Prevention of Corruption Act, 1988; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the HLL as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

2.17 The BIDDER will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.18 The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents /representatives in India, if any. Similarly the Bidder(s) /Contractors(s) of Indian Nationality shall furnish the name and address of the foreign Principal(s), if any.

**Clause.3. Previous contravention and Disqualification from tender process and exclusion from future contracts**

3.1 The BIDDER declares that no previous contravention occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process

3.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

If BIDDER before award or during execution has committed a contravention through a violation of Clause 2, above or in any other form such as to put his reliability or credibility in question, HLL is entitled to disqualify the BIDDER from the tender process.

**Clause .4. Equal treatment of all Bidders / Contractors / Subcontractors**

4.1 The Bidder(s) / Contractor(s) undertake(s) to demand from his Subcontractors a commitment in conformity with this Integrity Pact.

4.2 HLL will enter into agreements with identical conditions as this one with all Bidders and Contractors.

4.3 HLL will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

**Clause .5. Consequences of Violation / Breach**

5.1 Any breach of the aforesaid provision by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle HLL to take all or any one of the following action, wherever required:-

i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other

ii. If BIDDER commits violation of Integrity Pact Policy during bidding process, he shall be liable to compensate HLL by way of liquidated damages amounting to a sum equivalent to 5% to the value of the offer or the amount equivalent to Earnest Money Deposit /Bid Security, whichever is higher.

iii. In case of violation of the Integrity Pact after award of the contract, HLL will be entitled to terminate the contract. HLL shall also be entitled to recover from the contractor liquidated damages equivalent to 10% of the contract value or the amount equivalent to security deposit/ performance guarantee, whichever is higher.

iv. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

v. To recover all sums already paid by HLL, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from HLL in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid amount.

vi. To encash the advance bank guarantee and performance guarantee / warranty bond, if furnished by the BIDDER, in order to recover the payments already made by HLL, along with interest.

vii. To cancel all or any other contract with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to HLL resulting from such cancellation/recession and HLL shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

viii. To debar the BIDDER from participating in future bidding processes of HLL for a minimum period of five (5) years, which may be further extended at the discretion of HLL or until Independent External Monitors is satisfied that the Counterparty will not commit any future violation.

ix. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

x. In cases where irrevocable Letters of credit have been received in respect of any contract signed by HLL with the BIDDER, the same shall not be opened.

xi. Forfeiture of performance guarantee in case of a decision by HLL to forfeit the same without assigning any reason for imposing sanction for violation of the pact.

5.2 HLL will be entitled to all or any of the actions mentioned in para 5.1(i) to (x) of this pact also on the commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 The decision of HLL to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the

BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

**Clause.6. Fall Clause**

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price / charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to HLL, if the contract has already been concluded.

**Clause .7. Independent External Monitor(s)**

7.1 HLL has appointed Independent External Monitor(s) (hereinafter referred to as Monitor(s)) for this Pact in consultation with the Central Vigilance Commission.

7.2 The responsibility of the Monitor(s) shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitor(s) shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitor(s) have the right to access all the documents relating to the project/ procurement, including minutes of meetings.

7.5 As soon as the Monitor(s) notices, or has reason to believe, a violation of this pact, he will so inform the CVO.

7.6 The BIDDER(S) accepts that the Monitor(s) have the right to access without restriction to all project documentation of HLL including that provided by the BIDDER. The BIDDER will also grant the Monitor(s), upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors engaged by the BIDDER. The Monitor(s) shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.

7.7 HLL will provide to the Monitor(s) sufficient information about all meetings among the parties related to the Project provided such meeting could have an impact on the contractual relation between the parties. The parties will offer to the Monitor(s) option to participate in such meetings.

7.8 The Monitor(s) will submit a written report to the CVO of HLL within 8 to 10 weeks from the date of reference or intimation to him by HLL/BIDDER and, should consent arise, submit proposals for correcting problematic situations.

**Clause.8.Criminal charges against violating Bidder(s)/**

**Contractor(s)/ Subcontractor(s)**

If HLL obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if HLL has substantive suspicion in this regard, HLL will inform the same to the Chief Vigilance Officer.

**Clause.9. Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact or payment of commission, HLL or its agencies shall be entitled to examine all the documents, including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

**Clause.10. Law and Place of Jurisdiction**

Both the Parties agree that this Pact is subject to Indian Law. The place of performance and hence this Pact shall be subject to Thiruvananthapuram Jurisdiction.

**Clause.11. Other legal Actions**

The actions stipulated in the Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

**Clause.12. Validity and Duration of the Agreement**

This Pact begins when both parties have legally signed it. It expires for the Contractor/Successful bidder 12 months after the last payment under the contract or the complete execution of the contract to the satisfaction of the both HLL and the BIDDER /Seller, including warranty period, whichever is later, and for all other Bidders/unsuccessful bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman and Managing Director of HLL.

**Clause. 13. Other provisions**

13.1 Changes and supplements as well as termination notices need to be made in writing. Both the Parties declare that no side agreements have been made to this Integrity Pact.

13.1 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

13.1 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions

INWITNESS THEREOF the parties have signed and executed this pact at the place and date first above mentioned in the presents of following witnesses:

| **HLL** | **BIDDER** |
|---|---|
| **Mr K.Beji George**<br>Chairman and Managing Director<br>HLL Lifecare Limited,<br>Thiruvananthapuram. | (Name & Designation) |
| Witness | Witness |
| 1…….. | 1…… |
| 2…… | 2……..…….. |

* Provisions of these clauses would be amended /deleted in line with the policy of HLL in regard to involvement of Indian agents of foreign suppliers.

**Annexure 14**

## FALL CLAUSE DECLARATION

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price/ charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to HLL, if the contract has already been concluded.

Seal and Signature of Authorized Signatory