

No. 31026/176/2021 (Part-4)-MD
Government of India
Ministry of Chemicals & Fertilizers
Department of Pharmaceuticals

Public Notice dated 12.03.2024

Subject: Inviting details of local manufacturers of specific Medical Devices - reg.

The Department for Promotion of Industry and Internal Trade (DPIIT) has issued the Public Procurement (Preference to Make in India) (PPP-MII) Order, 2017 dated 16.09.2020. In pursuance of the same, the Department of Pharmaceuticals had issued guidelines dated 30.12.2020 and 16.02.2021 for implementation of the Order related to procurement of goods and services in Pharmaceuticals Sector and Medical Device Sector respectively. Both the orders can be accessed on the website of the Department at <https://pharmaceuticals.gov.in/policy>.

2. Earlier, based on the requests of Central Procuring Agencies, DoP had taken up an exercise of finding local manufacturers of those Drugs/Medical Devices for which procuring entities were facing difficulties in procurement and based on the result of the exercise, after recommendation of MoHFW, currently, 364 MDs and 85 drugs are exempted up to 31.03.2024 from the DoE's instructions issued vide OM dated F.12/17/2019-PPD dated 15.05.2020 & 28.05.2020 regarding Global Tender Enquiry.

3. Based on fresh representations received from procuring entities/Medical Device Associations/Importers, a list of total 592 items organized in Annexure I and II, consisting of new items and exempted items (till 31.03.2024), respectively has been prepared for considering exemption from the aforesaid instructions of DoE regarding Global Tender Enquiry. The local/domestic manufacturers may place their objection, against inclusion of medical devices listed out in Annexure I & II, on account of domestic manufacturing. The comments may be submitted strictly as per format indicated below for assessment of local manufacturing capacity:

a. Name of the manufacturing entity:

b. Address of the Registered Office and Manufacturing location (complete postal address):

- c. Contact Details - email id and phone numbers (Mobile and Office):
- d. Manufacturing capacity per annum
- e. Whether registered with GeM portal. Also Proprietary Article Certificate (PAC) may be provided.
- f. Submission of manufacturing license is **mandatory**.

4. Further, it is to inform that local manufacturer(s), of the Medical Devices listed in the Annexure I & II, are requested to send the above details to the mail id - **pppmii-dop@gov.in** within 10 days after the issuance date of this Public Notice. If no information is received by the due date in respect of listed medical devices, it may be presumed that no local manufacturing is available for such medical devices and further action may be taken accordingly.

5. The Public Notice is issued with the approval of Competent Authority.



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Annexure- I

List of 229 New Medical Devices:

S.No.	Name of Medical Device/Equipment	Intended Usage
1	Point of Care Ultrasound Systems	It is a general purpose ultrasound system intended for use by qualified physicians and healthcare professionals for evaluation by ultrasound imaging or fluid flow analysis of the human body
2	Transcatheter Aortic Valve Implantation (TAVI)	This new generation Aortic Valve, in combination with the Transfemoral Delivery System and the new Loading Kit, is indicated for relief of aortic stenosis in patients with symptomatic heart disease due to severe native calcific aortic stenosis who are judged by a Heart Team, including a cardiac surgeon, to be appropriate for the transcatheter heart valve replacement therapy.
3	Cerebral Protection System	This new generation System is indicated for use as an embolic protection device to capture and remove embolic material (thrombus/debris) that may enter the cerebral vascular system during endovascular procedures. The diameters of the arteries at the sites of filter placement should be measured and the filters sized to the Proximal and Distal Target Vessels as listed below: REF (Model) Number for Ordering: CMS15-10C; Proximal Filter Size (mm): 15; Target Proximal Vessel Size (mm): 9.0 – 15.0; Distal Filter Size (mm): 10; Target Distal Vessel Size (mm): 6.5 – 10.0; Articulating Sheathe Curve Shape: C.
4	Paclitaxel Coated Balloon with Citrate Ester Excipient	This balloon catheters are indicated for Percutaneous Transluminal Angioplasty (PTA) in the peripheral vasculature, including iliac and infrainguinal arteries.
5	Polymer based paclitaxel Eluting stent for SFA	This Drug-Eluting Vascular Stent System is intended to improve luminal diameter in the treatment of symptomatic de-novo or restenotic lesions in the native superficial femoral artery (SFA) and/or proximal popliteal artery with reference vessel diameters (RVD) ranging from 4.0 mm - 6.0 mm.

6	Integrated inflation/ Electro Hydraulic Lithotripsy system	This unique Inflation Device is recommended for use with balloon dilatation catheters to create and monitor pressure in the balloon, and to deflate the balloon.
7	Pneumatic Hand Pump for balloon dilatation	The Integrated Inflation/Litho Handle is indicated for inflation and deflation of balloon dilatation catheters while simultaneously monitoring balloon catheter pressures and for the crushing of biliary calculi when used with Wireguided Retrieval Basket.
8	Cholangioscopy Direct visualization system with compatible accessories	The Digital System is indicated for use in diagnostic and therapeutic applications during endoscopic procedures in the pancreaticobiliary system including the hepatic ducts. The Digital System comprises two components: Digital Catheter and the Digital Controller. The SpyGlass Discover Digital Catheter is intended to provide direct visualization and to guide both optical and accessory devices for diagnostic and therapeutic applications during endoscopic procedures in the pancreatobiliary system including the hepatic ducts. The Digital Controller is intended to provide illumination and receive, process, and output images from the Digital Catheter for diagnostic and therapeutic applications during endoscopic procedures in the pancreaticobiliary system including the hepatic ducts.
9	Lumen apposing metal stent for pseudocyst drainage	The Stent and Electrocautery- Enhanced Delivery System is indicated for use to facilitate transgastric or transduodenal endoscopic drainage of: • A pancreatic pseudocyst or a walled-off necrosis with $\geq 70\%$ fluid content • Gallbladder in patients with acute cholecystitis who are at high risk or unsuitable for surgery • The bile duct after failed ERCP in patients with biliary obstruction due to a malignant stricture
10	Endoscopic ultrasound Fine Needle Biopsy (FNB)	The Fine Needle Biopsy Device is designed to sample targeted submucosal and extramural gastrointestinal lesions through the accessory channel of a curvilinear echoendoscope.

11	EBUS (Endobronchial) FNB(Fine Needle Biopsy) Needles	The Pulmonary Endobronchial Ultrasound Fine Needle Biopsy (FNB) Device is designed to be used with endobronchial ultrasound endoscopes for ultrasound guided fine needle aspiration (FNA) of the submucosal and extramural lesions of the tracheobronchial tree and the gastrointestinal tract.
12	Green Light laser for PVP(Photo Vaporization Prostate)	The Laser System is intended for the surgical incision, excision, vaporization, ablation, hemostasis, and coagulation of soft tissue. All soft tissue is included, such as skin, cutaneous tissue, subcutaneous tissue, striated and smooth tissue, muscle, cartilage meniscus, mucous membrane, lymph vessels and nodes, organs, and glands. Suggested applications include: • General Surgery: Vaporizing, coagulating, incising, excising, debulking, and ablating of soft tissue as well as in endoscopic (for example, laparoscopic) or open surgeries. •Gastroenterology: Tissue ablation and hemostasis in the gastrointestinal tract; esophageal neoplastic obstructions, including squamous cell carcinoma and adenocarcinoma; gastrointestinal hemostasis (including varices, esophagitis, esophageal ulcer, Mallory-Weiss tear, gastric ulcer, angiodysplasia, stomal ulcers, non-bleeding ulcers, gastric erosions); gastrointestinal tissue ablation (benign and malignant neoplasm, angiodysplasia, polyps, ulcers, colitis, hemorrhoids). • Gynecology: Vaporizing, incising, or coagulating tissue associated with treatments of conditions such as endometriosis; cervical, vulvar, and vaginal intraepithelial neoplasia; condyloma acuminata; uterine septum; intrauterine adhesions; submucosal fibroids. • Head and Neck/Otorhinolaryngology (ENT): Tissue incision, excision, ablation, and vessel hemostasis. •Neurosurgery: Incising, excising, coagulating, and vaporizing neurological tumors of the firm textured type. • Ophthalmology: Post-vitreotomy endophotocoagulation of the retina. • Plastic Surgery: Vaporizing, coagulating, incising, excising, debulking, and ablating of soft tissue in endoscopic and open procedures. • Spinal Surgery: Percutaneous lumbar discectomy. • Thoracic Surgery: Vaporizing, coagulating, incising, excising, debulking, and ablating of

		soft tissue, including lung tissue in thoracoscopic or open procedures. • Urology: Cutting, coagulating, or vaporizing urologic soft tissues. Open endoscopic minimally invasive urological surgery (ablation, vaporization, incision, excision, and coagulation of soft tissue) including treatment of bladder, urethral and ureteral tumors; condylomata; lesions of external genitalia; urethral and penile hemangioma; urethral strictures; bladder neck obstructions; and vaporization of prostate tissue for men suffering from Benign Prostatic Hyperplasia (BPH). The GreenLight XPS Laser System is intended for the hospital, office, and outpatient surgery center markets.
13	Disposable Flexible Duodenoscope with Processor	The Single-Use Duodenoscope is intended for use with the Controller, for endoscopy and endoscopic surgery within the duodenum.
14	Rotational Atherectomy System	The Console is intended for use with the Rotational Atherectomy System.
15	Left Atrial Appendage Closure Device	Left Atrial Appendage Closure Technology is intended to prevent thrombus embolization from the left atrial appendage and reduce the risk of lifethreatening bleeding events in patients with non-valvular atrial fibrillation who are eligible for anticoagulation therapy or who have a contraindication to anticoagulation therapy.

16	Cutting/Scoring balloon	The Cutting Balloon Device is indicated for use in patients with coronary vessel disease who are acceptable candidates for coronary artery bypass graft surgery, should it be urgently needed, for the purpose of improving myocardial perfusion. In addition, the target lesion should possess the following characteristics: *Discrete less than/equal to 15 mm in length), or tubular (10 mm to 20 mm in length) *Reference vessel diameter (RVD) of 2.00 mm to 4.00 mm * Readily accessible to the device * Light to moderate tortuosity of proximal vessel segment * Nonangulated lesion segment (less than 45°) * Smooth angiographic contour * Absence of angiographically visible thrombus
17	Deep Brain Stimulation System	The Deep Brain Stimulation System is indicated for use in the following: · Unilateral or bilateral stimulation of the subthalamic nucleus (STN) or internal globus pallidus (GPi) for levodopa-responsive Parkinson's disease which is not adequately controlled with medication. · Unilateral or bilateral stimulation of the subthalamic nucleus (STN) or internal globus pallidus (GPi) for intractable primary and secondary dystonia, for persons 7 years of age and older. · Thalamic stimulation for the suppression of tremor not adequately controlled by medications in patients diagnosed with Essential Tremor or Parkinson's disease.
18	Pharmacomechanical Thrombectomy System	intended for use to break apart and remove thrombus from: • upper and lower extremity peripheral arteries and • for use with the ultra pulse technique for the control and selective infusion of physician specified fluids, including thrombolytic agents, into the peripheral vascular system.
19	Radio Frequency (RF) Ablation Device	The Radiofrequency Generator is intended for use with separately cleared electrodes for thermal coagulation of soft tissues.
20	Peripheral Microcatheters	The Microcatheters are intended for peripheral vascular use. The pre-loaded Guidewires can be used to selectively introduce and position the microcatheter in the peripheral vasculature. The microcatheter can be used for controlled and selective infusion of diagnostic, embolic, or therapeutic materials into the vessel.

21	Drug Coated Beads Device	DC Bead Device/DC Bead Device are intended to embolize vessels of hypervascular tumors (HVTs) in the liver using interventional arterial administration. The beads are capable of loading doxorubicin or irinotecan drugs for chemoembolization.
22	Cryoablation Needles	The Cryoablation System is intended for cryoablative destruction of tissue during minimally invasive procedures; It is intended for use as a cryosurgical tool in the fields of general surgery, dermatology, neurology (including cryoanalgesia), thoracic surgery (with the exception of cardiac tissue), gynecology, oncology, and urology. This system is designed to destroy tissue (including prostate and kidney tissue, liver metastases, tumors, and skin lesions) by the application of extremely cold temperatures. The disposable Cryoablation Needle are meant to be connected to a cryoablation system when performing cryoablative tissue destruction through application of extremely cold temperatures. The needles are intended to convert high-pressure gas to either a very cold Freezing application or to a warm Thawing application
23	Transarterial Radioembolization Particles Device	The intended purpose of Microspheres is to treat liver tumors by local deposition of radioactive Yttrium-90 glass microspheres in the tumoral vasculature.
24	Peripheral Detachable Coils	It is a modified interlocking detachable coil indicated to obstruct or reduce rate of blood flow in the peripheral vasculature. This device is not intended for neurovascular use.
25	Peripheral Micro Coils	It is intended for arterial and venous embolizations in the peripheral vasculature
26	Embolic Protection System	The Embolic Protection System is indicated for use as a guidewire and embolic protection system to contain and remove embolic material (thrombus/debris) while performing angioplasty and stenting procedures in the peripheral vascular system, carotid arteries, coronary arteries and saphenous vein grafts. The diameter of the vessel at the site of filter loop placement should be between 3.5 mm and 5.5 mm.

27	Peripheral Support Catheter	The Support Catheter is intended to facilitate placement and support of guidewires and other interventional devices within the peripheral vasculature and to allow for exchange of guidewires, and provide a conduit for the delivery of saline or contrast solutions.
28	Peripheral Cutting Balloon/Microsurgical Dilatation Device	The Peripheral Cutting Balloon Device is indicated for Percutaneous Transluminal Angioplasty (PTA) of obstructive lesions in peripheral vessels. The target lesion should possess the following characteristics: minimal tortuosity of proximal vessel segment, and be a non-angulated lesion segment (less than or equal to 45 degree).
29	Self-Expandable Peripheral Stent System/ Self-Expandable Venous/Carotid Stent System	Iliac Artery Uni Endoprosthesis is indicated for use following suboptimal percutaneous transluminal angioplasty (PTA) of common and/or external iliac artery stenotic lesions, which are less than or equals to 10 cm in length. A suboptimal PTA is defined as a technically successful dilation, judged by the physician to be suboptimal due to the presence of unfavorable lesion morphology such as: * * An inadequate angiographic and/or hemodynamic result as defined by a 30 percentage or greater residual stenosis after PTA, lesion recoil, or intimal flaps. * Flow limiting dissections post PTA longer than the initial lesion length. * A 5 mm Hg or greater mean transtenotic pressure gradient post PTA. Superficial Femoral Artery Uni Endoprosthesis is intended for use in the treatment of superficial femoral artery (SFA) stenoses or occlusions. Transjugular Intrahepatic Portosystemic Shunt (TIPS) Uni Endoprosthesis is indicated for creation of transjugular intrahepatic shunt connections between the portal venous system and the hepatic vein for prophylaxis of variceal bleeding or intractable ascites in the treatment of portal hypertension and its complications in patients who have previously failed conventional treatment techniques. Biliary The Uni Endoprosthesis is indicated for use in the treatment of biliary strictures produced by malignant neoplasms. Tracheobronchial Uni Endoprosthesis is indicated for use in the treatment of tracheobronchial strictures produced by malignant neoplasms. Central Venous Uni

		Endoprosthesis is indicated for the treatment of central venous obstruction and for improving central venous luminal diameter following unsuccessful angioplasty in patients on chronic hemodialysis with stenosis of the venous outflow tract. Unsuccessful angioplasty is defined as residual stenosis greater than or equals to 30 percentage for a vein less than or equals to 10 mm in diameter or greater than or equals to 50 percentage for a vein greater than 10 mm in diameter, a tear which interrupts the integrity of the intima lumen, abrupt lesion site occlusion, or refractory spasm. The vessels that can be treated with the-Uni Endoprosthesis are the innominate and subclavian veins, ranging from 8 mm to 15 mm in diameter. Superior Vena Cava (SVC) Uni Endoprosthesis is intended for use in the palliative treatment of stenosis of the superior vena cava due to a malignant process. Iliac Vein Uni Endoprosthesis is intended for use in the iliac veins for the treatment of symptomatic venous obstruction.
30	Subcutaneous Implantable cardioverter defibrillator	The System is intended to provide defibrillation therapy for the treatment of life threatening ventricular tachyarrhythmias in patients who do not have symptomatic bradycardia, incessant ventricular tachycardia, or spontaneous, frequently recurring ventricular tachycardia that is reliably terminated with anti-tachycardia pacing.
31	Digital Mixing Anaesthesia Machine	This Anaesthesia workstation is intended for use in OR under the supervision of clinicians. It will help deliver Automatically the Fresh Gas and Anaesthetic agents using digital gas mixing and electronically controlled vaporiser to achieve the desired target of Anaesthetic agents and Gas concentration as set by clinician and will automatically track and maintain the same in presence of varying uptake of Patient. The haemodynamic patient monitor helps the clinician in assessment of

		patient condition with various modules and helps clinician to assess targets dynamically
32	ICU ventilator with integrated Metabolic monitoring	The Functional Residual Capacity (FRC) tool is used to directly study the lung volumes like End Expiratory Lung Volume and Functional Residual Capacity. The measurement of these volumes provide clinicians with actionable data to mitigate barotrauma, alveolar strain and Ventilator induced lung injury that will otherwise increase length of ICU stay, patient complications and concomitant cost of treatment. This guides the clinicians in efficacy of recruitment manoeuvre, gas exchange, reduce strain and improve alveolar compliance.
33	ICU Ventilator with indirect Calorimetry	Indirect Calorimetry (IC) is an advanced tool for bedside assessment of nutritional status of critically ill patient. The IC tool provides information like required Energy Expenditure for the patient and volumetric uptake of oxygen. Clinician use this data for nutritional intervention to improve patient outcomes such as accelerated weaning from ventilator, improved immune status, avoid muscle wasting and preservation lean body mass which in turn will improve post-ICU quality of life of the patient. It reduces about 2.6 days of ICU length of stay.
34	Neuro Developmental Care Incubators for premature babies born during 28-32 weeks	This high end technology product replicates mother's womb by reducing Temperature , Pressure , Touch , Noise , Light Stress for very premature babies and ensure neurological development so that these babies can lead a meaning life after they are saved in NICU
35	High Frequency Oscillatory Neo Natal Ventilator	This high end technology product is capable of giving small breaths 3-4 ml at a very high respiratory rate 600 - 1200 per minute so that lungs are not damaged due to higher volume / pressure and at the same time gets enough oxygen for the cells . This helps neonates to survive even extreme damaged lung conditions .

36	Hybrid Neonatal Warmer cum Incubator Bed for very premature babies born during 24-30 weeks	This high end technology product reduces Pressure , Touch , Thermal and Light Stress for very premature babies and ensure neurological development so that these babies can lead a meaning life after they are saved in NICU
37	Anesthesia Machine with Charting	NA
38	Advance Laparoscopic Camera System with ICG & tissue differentiation technology	A single high end laparoscopic platform for use in advance laparoscopic surgeries across specialities with integrated 4K-3D-IR technologies.
39	Flexible Fibreoptic Uretero-roscope	Flexible Fibreoptic Uretero-roscope designed to give crystal-clear images , easy access to difficult anatomy , improve diagnosis during Ureteroscopy procedures any Optical camera system
40	Semirigid Uretero-roscope	Semi-rigid ureteroscopes can be used selectively for stones in the renal pelvis if the view and approach to the stone looks favourable; otherwise, for stones in the pelvicalyceal system, a flexible URS generally needs to be used. They are used in combination with camera systems intended for endourology procedures.
41	Endoscopic Ultrasound system (EUS)	Endoscopic Ultrasound system (EUS) with high-quality compact ultrasound processor for use with endoscopic ultrasound equipment for integration with conventional endoscopy on a single workstation.
42	Endobronchial Ultrasound system (EBUS)	EBUS (endobronchial ultrasound) bronchoscopy to diagnose different types of lung disorders, including inflammation, infections or cancer.
43	High Definition Upper & Lower flexible Endoscopic System with IEE technology for 3rd Space Endoscopy	video gastroscope with full focus and high magnification to assist with obtaining observational excellence. For close observation in near focus mode, high magnification can be achieved with the ease of Dual Focus function, at as close as 1.5mm to 5.5mm from the mucosa.
44	3D Integrated Laparoscope System	The new scope can maintain a visual horizon throughout scope rotation so you can have a continuous critical view in 3D.
45	Flexible Video Cystoscope & Video Uretroscope with IEE Technology compatability	Flexible Video Ureteroscopes & Cystoscopes are designed to give crystal-clear images , easy access to difficult anatomy , improve diagnosis during Ureteroscopy & Cystoscopy procedures when combined with digital High definition Optical / Camera systems

46	Flexible Fibreoptic Cystoscope	Flexible Fibreoptic Cystoscope are designed to give crystal-clear images , easy access to difficult anatomy , improve diagnosis during Cystoscopy procedures with any Optical camera system
47	Flexible Video Laryngoscope with IEE technology	Flexible High-definition Video Rhinolaryngoscopes are optimized for transnasal endoscopy due to the high image quality, the lightweight and ergonomic handle design for diagnostic & therapeutic Endoscopic ENT procedures
48	Hysteroscopy with integrated Sheath	Hysteroscopy involves inserting a rigid or flexible hysteroscope through the cervical canal into the uterus and then using distending media to allow for complete visualization of the endometrial cavity.
49	Dual action Lithotripsy system for stone fragmentation	Lithotripsy treats kidney stones by sending focused ultrasonic energy & shock waves directly to the stone first located with fluoroscopy. These shock waves break a large stone into smaller stones that will pass through the urinary system. Lithotripsy allows persons with certain types of stones in the urinary system to avoid an invasive surgical procedure for stone removal
50	4K Video flexible Endoscopy System	video gastroscope with full focus and high magnification to assist with obtaining observational excellence.
51	Semiflexible Pleuro Videoscope System with IEE	Pleuroscope with 3mm treatment channel with Bright, clear observation with HD imaging
52	4K flexible Video bronchoscopy System	Videobronchoscope with reduced distal end diameter and enlarged therapeutic instrument channel, native HDTV imaging and excellent therapeutic possibilities.
53	Reusable flexible Duodenoscope System with disposable cap	ERCP Scope with with Single-use Distal Cover Allows for visualization of the distal end and better access for reprocessing accessories during manual cleaning.
54	Balloon assisted Enteroscopy	Balloon assisted Enteroscope with single use splinting tube to visualize small bowel
55	Video Endocytoscope	Endocytoscope to observe at a magnification of 520X with optical enhancement technology
56	Multi-port Robotic Surgery system with accessories for soft tissue surgery under class C (MDR 2017)	Soft tissue robotic surgery in Urology, Gynecology, Cardiothoracic, Gastroenterology, ENT, Breast, Hepatobiliary for adult and pediatric patients

57	Peripheral vascular Co-Axial, asymmetric braided microcatheter	Intended for infusion of contrast media, drugs, or embolic materials in the peripheral vessels, excluding the ones belonging to the central circulatory system.
58	Variable diameter micro-occlusion balloon Catheter	Intended to be used for gaining temporary occlusion in the peripheral vasculature. It provides temporary vascular occlusion which is useful in selectively stopping or controlling blood flow
59	Braided Flexible Carotid Guiding Sheath with detachable valve	Designed to be used for the introduction of interventional and diagnostic devices into the human vasculature including but not limited to the carotid arteries
60	Braided Flexible Renal Guiding Long Sheath with detachable valve	Designed to be used for the introduction of interventional and diagnostic devices into the human vasculature including but not limited to the renal arteries
61	Braided Peripheral Guiding Long Sheath with detachable valve	Designed to be used for the introduction of interventional and diagnostic devices into the human vasculature including but not limited to lower extremity access via a contralateral approach
62	ECMO (extended respiratory support application (ECMO) Oxygenator - (Adult, Pediatric)	It is intended for use in an extracorporeal circuit as a device to replace the function of the lungs (transfer of oxygen and removal of carbon dioxide) in order to control the arterial/venous temperature during an extended respiratory support application (ECMO).
63	Homogenous Sized Embolization microspheres with hydrogel technology, non-bioabsorbable	Indicated for embolization of blood vessels supplying primary hypervascular tumors or metastases in the liver. It can be loaded with chemotherapeutic drugs. When used for drug loading, drug loading should be done under a physician's direction, choice and responsibility, based on type and dose of drug most beneficial to the patient
64	M Coated Nitinol Hydrophilic Guidewire	Used to facilitate the percutaneous vessel access during diagnostic and interventional procedures.
65	Hydrophilic Coated Angiographic Catheter with glide technology	Designed for therapeutic embolization and angiography in peripheral vessels
66	Advanced Perfusion System	Indicated for up to 6 hours of use in extracorporeal circulation of blood for arterial perfusion, regional perfusion, and cardiopulmonary bypass procedures only

67	Blood Parameter Monitoring System	Provides continuous, on-line monitoring of the extracorporeal partial pressure of oxygen and carbon dioxide, pH, potassium, oxygen saturation, hematocrit, hemoglobin and temperature. In addition, calculated values of base excess, bicarbonate, oxygen saturation, oxygen delivery and oxygen consumption may also be provided
68	Shaver system for arthroscopy	Arthroscopy and Orthopedics procedures
69	Radiofrequency (RF) ablation in arthroscopy	Arthroscopy and Orthopedics procedures
70	Radiofrequency Ablation System for Varicose Veins	Varicose Veins
71	4K Advanced Endo Visualization System	Minimally invasive laparoscopic procedures for visualization
72	Neuro Navigation System	Neurosurgical Procedures
73	Microdebrider	ENT and Neurosurgery
74	Robotic Arm System for Joint Replacement Surgery	Joint Replacement Procedures
75	Polyester based circular dual-layered Mesh	Umbilical / Para Umbilical Defect repair
76	Intelligent Smart Powered Stapler	All types of Surgeries like Gastro intestinal, Urology, Thoracic, Colorectal, Hepatobiliary, Kidney transplant and Liver Transplant
77	Intelligent Stapler Reload	All types of Surgeries like Gastro intestinal, Urology, Thoracic, Colorectal, Hepatobiliary, Kidney transplant and Liver Transplant
78	External Pulse Generator	Patients with bradycardia/Temporary pacing support
79	Cardiac resynchronization therapy defibrillator (CRT-D)	Patients with heart failure
80	Renal Denervation Therapy	Patients with uncontrolled resistant hypertension
81	Image Guidance System	For use in critical Brain, Spine and/or ENT procedures.
82	Surgical Robot - Spine	Used in Spine Surgeries including: MIS, Open, Trauma, Deformity and Degen procedures. Brain procedures including: 1. Functional Neurosurgery 2. Biopsy Procedures 3. Laser ablation guided procedures
83	Surgical Robot - Cranial	Brain procedures including: 1. Functional Neuro surgery 2. Biopsy Procedures 3. Laser guiding ablation procedures

84	Transcatheter Heart Valve	Aortic Valve Replacement
85	Variable Angle Plating System for Hand, Distal Radius, Distal Femur, Distal Humerus, Olecranon, Distal Tibia, Proximal Tibia, Calcaneal, Ankle and Clavicle	Variable Angle offers fragment specific fracture fixation intended for complex fracture of Hand, Distal Radius, Distal Femur, Distal Humerus, Olecranon, Distal Tibia, Proximal Tibia, Calcaneal, Ankle and Clavicle
86	Femoral Neck Fracture Fixation Set with Antirotation Screw	The Femoral Neck Fracture Fixation Set is intended for fixation, correction or stabilization of bones in the femoral neck and also provides rotational stability through AR screw.
87	Trochanteric Femoral Nail with both screw and blade option	Trochanteric Femoral Nail provides surgical options to address a wide range of patient and surgeon needs, with fixation options including the lag screw, helical blade, and bone cement augmentation. Single nail should be capable of allowing sliding screw and blade through the same hole
88	Pelvic Reconstruction Instruments with Radiolucent Retractors	A wide range of retractors (pelvic, Hohmann, sciatic nerve, radiolucent and malleable) and reduction forceps within the Pelvic reconstruction Set provide more options to aid the surgeon in achieving good visibility within the chosen approach. Radiolucent retractors provides better visualization under fluoroscopy.
89	Minimal Invasive Cerclage Wire Passer	Cerclage wire passer instruments are designed for minimally invasive implantation of cerclage wires for the reduction and fixation of fractures, including periprosthetic fractures.
90	Minimal Invasive Collinear Reduction Clamp with collinear sliding mechanism	Collinear Reduction Clamp features a sliding mechanism that assists in achieving and maintaining fracture reduction in minimally invasive techniques. The sliding mechanism accepts different attachment arms that increase versatility by allowing the surgeon to create an optimal reduction tool based upon clinical needs. The collinear reduction clamp is used for long bone, articular, and pelvic fracture types.
91	Fracture Fixation Set with Variable Angle Instruments and Radiolucent Retractors	Fracture fixation set is a system of instruments intended for fracture fixation through anatomical and Variable Angle (fragment specific fracture fixation) implants also contains radiolucent retractors to aid the surgeon in achieving good visibility within the chosen approach. Radiolucent retractors provides better visualization under fluoroscopy.

92	Damaged Screw & Nail Removal Set with forceps, conical extraction screws, hollow reamers, extraction bolts & hooks.	Damaged Screw & Nail Removal Set contains instruments required for removing intact screws/nail or damaged screws/nail that are difficult to remove.
93	Shoulder Retraction System with Delta Retractor, Ring Retractor, Humeral Head Retractor and Shoulder Spreader.	In shoulder surgery, the approach is of primary importance due to complexity of anatomical structures and layers, which impede wide access to bony structures, therefore specialized Shoulder Retractors like Delta Retractor, Ring Retractor, Humeral Head Retractor and Shoulder Spreader are necessary for preservation of soft tissue and careful exposure.
94	Power Tools: Electric operated Drill System with integrated irrigation facility.	Electric operated Drill System is an electrically-powered system to be used for treatment in general traumatology, as well as for surgery in the hand, foot, spine, maxillofacial and neurosurgery. With the integrated irrigation system, tools can be cooled to prevent tissue necrosis affected by excess heat.
95	Advanced Femto Second Laser Biconvex Lenticule Extraction for Refractive Error Correction of eye	Advanced High speed Femto second Laser capable of correcting refractive power of the eye with a single Laser System by removing a thin tissue of cornea for vision correction -
96	Advanced Precision Femto Laser System for Cataract surgery capable of incision, capsulorhexis and Nucleus fragmentation (using liquid Optic Interface)	Advanced Precision Femto Laser System capable of incision, capsulorhexis and Nucleus fragmentation for Cataract surgery more precise and safe and minimising human intervention.
97	Advanced Lipid Layer thickness and Gland Imaging and Analysis, dynamic blink analyser, single sitting Vector Thermal Pulsation technology treatment. Meibomian Gland Dysfunction - treatment	Increased screen time causes meibomian gland dysfunction, resulting in severe dry symptoms causing compromised quality of vision and affecting daily life style in every alternate patients. Single sitting, long term efficacy, most safe procedure provides upto 18 months of symptom free condition.
98	Advance phacoemulsification machine with Hybrid Fluidics Technology, Dual Pump System & Swivel Handpiece Technology having capacity to pivot for ease of	Advance phacoemulsification system for premier cataract surgery that ensures fine tuned intra operative precision and nucleus segmentation with efficient holdability and followability, thus ensures high compliant chamber stability during surgery

	maneuverability, Transversal Ultrasound.	
99	Advanced monofocal IOL with modified aspheric anterior surface, designed to extend depth of focus having intermediate vision without any ring and zone on IOL surface.	Elevates the expectations of Cataract patients implanted with standard monofocal by providing quality intermediate vision, thus enabling patients a no to low dependancy on spectacle as compared to standard monofocal -
100	Advanced monofocal IOL with modified aspheric anterior toric surface, designed to extend depth of focus, for improved intermediate vision	Elevates the expectations of Cataract patients implanted with standard monofocal by providing quality intermediate vision with astigmatism correction, thus enabling patients a no to low dependancy on spectacle as compared to standard monofocal-.
101	Continuous Range of Vision IOL(Intra Ocular Lens) with anterior aspheric surface and ChromAlign technology	Empowering cataract patients with the freedom to see at their ideal distances in all light conditions, thus enabling patients to perform activities with confidence-
102	Continuous Range of Vision IOL (Intra Ocular Lens) with anterior aspheric toric surface and ChromAlign technology	Empowering cataract patients with the freedom to see at their ideal distances along with astigmatism correction in all light conditions, thus enabling patients to perform activities with confidence
103	Endoscopic Linear Cutter	Endoscopic linear cutter system with reload surface having pocket extensions to prevent tissue milking, staple pins with bent tips for consistent staple formation and Linear cutter which fits down through 12mm trocar sleeve having precision machined closed channel anvil, capable of delivering system wide pre compression, 3 point gap control for alignment and calibration throughout the staple line operated with light weight disposable battery or manually with 4-stroke firing system
104	Selectable Staple Height Linear Cutter with Universal cartridge	Selectable staple height linear cutter 55mm & 75 mm having 6 rows of staple line, having cartridge with selectable closed staple height of (1.5mm/1.8mm/2mm) & integrated new knife blade. Linear cutter gives intermediate locking position for easy tissue manipulation & two sided firing for easy handling, Intended for use with Black Universal cartridge

105	Powered Circular Stapler	Powered Circular Stapler with disposable battery pack and available in 23 mm, 25 mm , 29 mm & 31mm sizes, having open leg length of 5.2 mm, having feature of controlled tissue compression (1.5 -2.2 mm), With Titanium alloy staples and 3D Staple formation with Gripping Surface Technology. The device should also have powered firing and rigid washer with audible and tactile feedback of firing completion.
106	Hemostats (Clinically Proven Topical Absorbable Hemostat	Clinically Proven Topical Absorbable Hemostat (oxidized regenerated cellulose(Carboxyl acid content as per U.S.P ideal for minimally invasive procedures, peelable, ideal for heavier bleeding), proven bactericidal activity and used adjunctively in surgical procedures to assist in the control of capillary, venous, and small arterial hemorrhage when ligation or other conventional methods of control are impractical or ineffective.
107	Advance Bipolar tissue sealer for open and lap surgery, capable of sealing vessel using advance algorithm w/w/o jaw articulation and compatible with combined ultrasonic cutting, coagulation vessel sealing system	Advance Bipolar tissue sealer with 24mm/38mm curved tapered tip jaw, 360 degree rotation, having separate seal & cut button, using advance algorithm for intelligent and efficient energy delivery to cut, seal and coagulate vessels upto and including 7mm in diameter, available in sized 25cm, 37c, & 45cm
108	Universal Dual Cord Capacitive coupling return electrode	Optically guided bladeless trocar with bilateral tissue separators, optical tip to eliminate blind entry, clear ribbed cannula, recessed stopcock valve, funnel shaped housing, duckbill secondary seal, integrated universal seal that eliminates the use of reducer.
109	Ultrasonic hand instruments for open surgery, capable of sealing vessel with advance hemostasis mode	laparoscopic shear with 15mm curved coated blade, 360 degree rotation, capable of cutting, sealing, grasping, and coagulating blood vessel upto and including 5mm in diameter, available in sizes 23 cm & 36 cm.
110	Hemostats (With/Without Thrombin)	Absorbable Gelatin based Topical Absorbable flowable hemostat with/without thrombin
111	Tissue Adhesion Barrier(Absorbable Adhesion Barrier)	Absorbable Adhesion Barrier , indicated as an adjuvant in open (laparotomy) gynecologic pelvic surgery for reducing the incidence of postoperative pelvic adhesion

112	Sutures with Advanced Needles (used for Cardiovascular, Ophthalmic and neurosurgical procedures)	Class C & Class D Suture Material with specialized alloys and unique needle geometry, for soft tissue approximation and/or ligation used for Cardiovascular, Ophthalmic and neurosurgical procedures
113	Knotless Tissue Control Device	Knotless Tissue Control Devices- Absorbable/Non Absorbable/Drug Coated/Uni Direction/Bi- directional/symmetries/spiral
114	Antibacterial Sutures with Irgacare Mp (Purest Form of Triclosan)	Dyed/Undyed, Monofilament Clinically Proven, (Triclosan coated) Antibacterial Monofilament Sutures. are intended for use in general soft tissue approximation and/or ligation where an absorbable material is indicated.
115	Advanced RF & Ultrasonic Hand Instrument for open Surgery	Hand activated curved taper tip coagulating shears, 16 mm curved active blade, capable of cutting, sealing, grasping, and coagulating blood vessel upto and including 5mm in diameter with ergonomic symmetrical finger ring grip, available in sizes 9cm & 17cm
116	Ultrasonic hand instruments for open and Lap surgery, capable of sealing vessel w/w/o integrated transducer and advance hemostasis mode compatible with combined ultrasonic cutting, coagulation vessel sealing system	5mm laparoscopic shear with 18mm curved coated blade, 360 degree rotation, capable of cutting, sealing, grasping and coagulating blood vessels upto and including 7mm in diameter, with integrated transducer, having advance hemostasis mode and available in sizes 20 cm & 36 cm.
117	Linear Cutter	Manual Linear cutter intended for open surgery and available in 55mm, 75mm and 100mm shaft length with CAM mechanism, intermediate Locking position for repositioning of tissue & comes preloaded with Blue/ Gold/ Green reloads
118	Braided Antibacterials Sutures with Irgacare	Clinically Proven, Antibacterial Polyglactin 910 with Triclosan (Irgacare MP*)
119	Capacitive Coupling Patient Plate	Reusable Capacitive coupling return electrode with double cord which can be connected with 2 electrosurgical units
120	Automated NAT Systems	For blood screening NAT and viral load assays (HIV, HBV, HCV), STI parameters, Transplant parameters and Microbiology parameters
121	Point of Care: Molecular system	Molecular based Point of care testing for emergency parameters such as Influenza, SARS CoV2 where clinicians need to take decisions on priority

122	Automated Electro Chemiluminescence Immunoassay analyzer (ECLIA)	It is a fully automated analyzer that uses state-of-the-art Electrochemiluminescence (ECL) technology for immunoassay analysis. It is designed for both quantitative and qualitative determinations for a broad range of parameters
123	Integrated Clinical Chemistry and Immunoassay Analyzer	For testing Clinical Chemistry and Immunoassay parameters on one single platform from single tube
124	Fully Automated Clinical Chemistry analyzer with capability to integrate with automated Electro Chemiluminescence Immunoassay analyzer (ECLIA)	It is a fully automated analyzer comprised of a photometric unit for a broad range of clinical chemistry assays and an ISE unit for ion-selective electrode determinations of sodium, potassium, and chloride in serum, plasma, or urine. In addition, as and when required, it can integrate with compatible range of automated immunochemistry analyzer via sample supply unit to function as one integrated solution providing labs and hospital ability to conduct large number of test across multiple testing technologies from single patient sample using single user interface for sample and analyzer management.
125	Fully Automated Electro Chemiluminescence Immunoassay analyzer (ECLIA) with capability to integrate with Clinical Chemistry analyzer	It is a fully automated analyzer that uses state-of-the-art Electrochemiluminescence (ECL) technology for immunoassay analysis. It is designed for both quantitative and qualitative determinations for a broad range of parameters. In addition, as and when required, it can integrate with compatible range of automated clinical chemistry analyzer via sample supply unit to function as one integrated solution providing labs and hospital ability conduct large number of test across multiple testing technologies from single patient sample using single user interface for sample and analyzer management.
126	Integrated Clinical Chemistry and Immunoassay Analyzer with capability to add additional modules of Clinical chemistry or Immunoassay systems	For testing Clinical Chemistry and Immunoassay parameters on one single platform from single tube

127	OCT (includes console and catheters)	Pre-PCI and Lesion Assessment PCI Guidance Stent Follow-up
128	Suture Mediated Vessel Closure Devices	Close the common femoral artery pre and post procedure
129	Embolic Protection Devices	used in internal carotid artery to capture the embolic material during the carotid stenting procedure
130	Carotid Stents	Used to treat lesions in internal & common carotid artery for a heavy plaque burden and for tortuous anatomy
131	Vascular Mimetic Implants	To treat lesion in common femoral artery, superficial femoral, iliac, popliteal artery
132	Orbital Atherectomy Devices	An atherectomy is a minimally invasive way to remove plaque from blood vessels, opening up your arteries to prepare for effective stent deployment
133	DDDR with Matching Electrodes Pacemaker	Bradycardia
134	Single Chamber (SSI) MRI Compatible Pacemaker	Bradycardia Features include Auto Capture, smallest size of 10 CC, No wait MRI Capability enabling patients to undergo MRI immediately after implant , Ventricular response priority
135	Pacemaker Single Chamber - Temporary	Patients with bradycardia/Temporary pacing support
136	Pacemaker Dual Chamber - External	Patients with bradycardia/Temporary pacing support
137	Pacemaker Single Chamber - External	Patients with bradycardia/Temporary pacing support
138	Pacemaker Dual Chamber- Temporary	Patients with bradycardia/Temporary pacing support
139	3D Mapping Electro anatomical Mapping System	This is required in the treatment of different kind of complex cardiac arrhythmia disease states like Atrial Fibrillation, Ventricular Tachycardia, Atrial Tachycardias, Atrial Flutter etc., if left untreated patient can lead to fatal incidences of stroke or sudden cardiac death. This procedure is done inside a cardiac catheterization lab

140	Intra-Cardiac Echocardiography System	Intracardiac echocardiography (ICE) is a unique imaging modality able to provide high-resolution real-time visualization of cardiac structures, continuous monitoring of catheter location within the heart, and early recognition of procedural complications, such as pericardial effusion or thrombus formation. Additional benefits are excellent patient tolerance, reduction of fluoroscopy time, and lack of need for general anesthesia or a second operator.
141	Fully Automated Hematology Analyzers & Instruments	For testing of whole blood for hematological parameters associated with Anemia, infection, leukemia and so on
142	Fully Automated Clinical Chemistry Analyzer	For testing of general chemistry, Cardiac, Metabolic, Specific protein, Plasma protein, Toxicology, Therapeutic drug parameters from blood stream
143	Automated Slide stainer for hematology slide staining	For Hematology slide staining
144	Mitral Transcatheter Edge to Edge Repair device	For reconstruction of the insufficient mitral valve through tissue approximation. 1. Clinical data available specific to India population 2. Only device in the world that has been approved to treat both Primary and Secondary Regurgitation .
145	Valved conduits	Used for Bentall/Aortic Route Replacement procedures
146	Bioprosthetic Heart Porcine Valve (Aortic/Mitral)	Mitral & Aortic Valve replacement with Tissue heart valve clinical data of 10+ years available, MICS compatible valve and holder design
147	Blue Oxide Chemical Etched Wire Treated Double Disc Occluder for Small Infants & Premature Infants	PDA Occluder with Double Disc (for Neonates), percutaneous transcatheter closure for non-surgical closure of small patent ductus arteriosus in neonates while minimizing protrusion. occluder suitable for PDA closure in small infants (weighing less than 6kg) and premature infants (weights as low as 700gm and more than 3 days old)
148	Blue Oxide Chemical Etched Wire Treated Occluder for Paravalvular Leak closure	PVL Occluder is a percutaneous transcatheter closure of Para Valvular Leak which is a serious complication of valve replacement surgery.

149	Blue Oxide Chemical Etched Wire Treated Left Atrial Appendage Occluder for Stroke Prevention treatment in Adults	LAA Closure, is a percutaneous transcatheter closure for non-surgical closure of Left Atrial Appendage.
150	Blue Oxide Chemical Etched Wire Treated Patent Foramen Ovale Occluder for Stroke Prevention treatment in Adults	PFO Occluder, is a percutaneous transcatheter closure for non-surgical closure of patent foramen ovale.
151	Blue Oxide Chemical Etched Wire Treated Occluder for CHD treatment	ASD Occluders, percutaneous transcatheter closure for non-surgical closure of atrial septal defect. ASD - Multi Fenestrated (Cribriform) Occluders, percutaneous transcatheter closure for non-surgical closure of atrial septal defect. PDA Occluders, percutaneous transcatheter closure for non-surgical closure of patent ductus arteriosus. Muscular VSD Occluder, is a percutaneous transcatheter closure for non-surgical closure of a ventricular septal defect P.I. Muscular VSD Occluder, is a percutaneous transcatheter closure for non-surgical closure of a ventricular septal defect Membranous VSD Occluder, is a percutaneous transcatheter closure for non-surgical closure of peri-membranous ventricular septal defect
152	Mitral Valve Annuloplasty repair ring - Rigid 3 dimensional Ring - Semi-Flexible Ring - Flexible Ring and Band	Mitral Repair A natural saddle-shaped ring designed for durable and complete remodeling The Séguin Semi-Rigid Ring provides surgeons a combination of rigidity and flexibility for mitral valve repair. Mitral & Tricuspid Repair The Tailor Flexible Annuloplasty Ring and Band are designed to maintain the size of a repaired mitral or tricuspid annulus while sustaining physiologic movement
153	Bi-leaflet Mechanical Heart Valve (Aortic/ Mitral)	Mitral & Aortic Valve replacement

154	Intra-annular, self-expanding Transcatheter Aortic Valve Implant/Replacement Device	This system offers intelligent design advantages, including smart PVL-sealing NaviSeal™ Cuff, stable and accurate placement, exceptional single-digit gradients, ¹ and uncompromised small vessel access and coronary access to consistently achieve excellent outcomes across a spectrum of routine to challenging anatomies.
155	Pericardial Patches	variety of cardiovascular repairs while offering improved handling and enhanced biocompatibility
156	Temporary Occlusion Balloon Catheter	Intended to be used for gaining temporary occlusion in the peripheral vasculature. The Occlusafe provides temporary vascular occlusion which is useful in selectively stopping or controlling blood flow
157	Dialysers	Current dialytic therapies have limited capability in removing large middle uremic toxins including IL-6 (25 kDa), TNF- α (26 kDa), FGF-23 (32 kDa), α -1 macroglobulin(33 kDa) and λ free light chain(45 kDa). These large middle molecules contribute to inflammation, secondary immunodeficiency, cardiovascular events and other dialysis related comorbidities and can be easily removed using TheraNova 400 Dialyser
158	Fully absorbable Biosynthetic Tissue separating mesh	Lap Ventral Hernia Repair
159	Neonatal Peripherally inserted central venous catheter Single and double lumen 1 and 2 Fr Catheter	Used for short and mid-term infusion of total parenteral nutrition or intravenous medications for premature babies
160	Anti-microbial and anti-fungal CV catheter	Multi-lumen catheter impregnated with Rifampicin and Miconazole or Silver ion is intended for use in patients requiring short to midterm intravenous therapy (Less than 29 days) for injecting or infusing different medications simultaneously.
161	Surfactant Administration Catheter	Surfactant administration catheter for the treatment of premature or full-term high-risk neonates or with respiratory distress syndrome caused by pulmonary surfactant deficiency
162	Venous Implantable port	A sterile implantable device intended to provide access to the peripheral arteries/veins for infusion (e.g., chemotherapeutic agents, blood transfusions) and (e.g.; blood).

163	Hemodynamic Monitor	It is an electro-medical diagnostic device used to continuously monitor vital parameters relevant to the patient's hemodynamic profile in real-time.
164	Antimicrobial PUR Umbilical Catheter	Umbilical catheters are inserted in the umbilical vein or the umbilical artery of the newborn and are used in case of neonatal emergency, for a short period (a few days). It allows the infusion of parenteral nutrition, the administration of drugs, exchange - transfusion...) The umbilical arterial catheter is used in case of neonatal emergency for blood gas monitoring, blood pressure measurement
165	Polyethylene Seldinger Arterial Catheter with or without Bloodless System	Arterial Leader-Cath is used for blood gas measurements (PaO ₂ , PaCO ₂ ...) - invasive arterial pressure monitoring
166	Seldinger Technique adult PICC catheter	CT PICC easy is a radio-opaque biostable polyurethane peripherally inserted central catheter. It is intended for use in patients who require mid to long-term IV therapy.
167	Silver ion impregnated CV Catheter	It is intended for use in patients requiring short to midterm intravenous therapy for injecting or infusing different solutions or medications simultaneously.
168	Continuous plexus block management catheters	Catheters for continuous plexus blocks and peripheral nerve blocks are mainly used for post-operative analgesia after joint surgery.
169	Safety Huber Needle with single handed operation	Safe safety Huber needles are indicated for the administration or withdrawal of fluids through implantable ports,
170	Distally valved Peripherally inserted central catheter	Distally valved catheter minimized backflow of blood in catheter, reduces chances of occlusion and can be kept for long duration. Removes the need for heparin flush and removes the chances of Heparin induced neutropenia.
171	Kaolin based Hemostatic dressing (Non-absorbable)	For temporary external use to control traumatic bleeding
172	Flowable Hemostat Gelatin Matrix	As sealant and Hemostasis
173	Resorbable Collagen-Based Hemostat	As sealant and Hemostasis
174	Chemo Ports	Device to gain access to the body through the blood system
175	IVC Fliter	for Pulmonary embolism

176	Bioreactance Non-invasive Fluid Management Monitoring System	This is portable, hemodynamic monitoring non-invasive Cardiac Output monitoring device that monitors and displays a patient's Cardiac Output (CO) in Ltr/Min with a Non-Invasive Blood Pressure (NIBP) function that non-invasively measures and displays blood pressure (diastolic, systolic and mean arterial pressure) and heart rate with a SpO2 function that non-invasively measures and displays blood oxygen saturation (SpO2). The device displays associated hemodynamic parameters based on measurements calculations of measurements already incorporated into the Starling.
177	Flexible Cystoscope	It is a sterile, single-use, flexible cystoscope intended to be used for endoscopic access to and examination of the lower urinary tract. It is intended to provide visualization via Displaying Unit and can be used with endoscopic accessories and instruments. it is intended for use in a hospital environment or medical office environment. It is designed for use for adult patients requiring cystoscopy.
178	Video Laryngoscope	For difficult Intubation in emergency conditions.
179	Flexible RhinoLaryngoscope	The endoscope is a sterile, single-use, flexible endoscope intended for endoscopic procedures and examination within the nasal lumens and upper airway anatomy. The endoscope is intended to provide visualization displaying unit. The endoscope is intended for use in a hospital environment. It is designed for use in adults.
180	Combined Ultrasonic Cutting, Coagulation & Vessel sealing System	The device is Indicated for use across a wide variety of surgical specialties, including Colorectal, Upper GI, Hepatobiliary, Bariatric, General, Gynaecology, Thoracic and Urology, enhancing surgeons' ability.
181	Neuroendoscopy system	for minimally invasive brain and skull base surgeries
182	3D exoscopy and endoscopy system	for all types of open and keyhole surgeries in which high precision and magnification is required
183	Prostatic Urethral Lift	The UroLift System is indicated for the treatment of symptoms due to urinary outflow obstruction secondary to benign prostatic hyperplasia (BPH) in men 50 years of age or older

184	High Frequency Chest Wall Oscillation Airway Clearance System	The System is indicated to promote airway clearance or improve bronchial drainage for the purposes of collecting mucus for diagnostic evaluation. Patient populations that may benefit include cystic fibrosis (CF), bronchiectasis (BE), or other chronic pulmonary and neuromuscular conditions.
185	Fibrin sealant with Sythentic Aprotinin	As sealant and Hemostasis
186	Flexible Bronchoscope	It is a sterile, single-use, flexible endoscope intended for endoscopic procedures and examination within the airways and tracheobronchial tree. The endoscope is intended to provide visualization via displaying unit. The endoscope is intended for use in a hospital environment. It is designed for use in adults.
187	DLT with camera	This system is intended to be used for verifying tube placement and repositioning.
188	Acellular Dermal Matrix	Flex Dermal Matrix is indicated for use in Burns, Trauma & Acute Wounds, Chronic Wounds, Cancer Excision, Adhesion Barrier, Donor Sites and Mucosal Defects. Flex Dermal Matrix is designed to be used on wounds on anatomical areas by being conformable at such complicated anotomies
189	Automated Sample preparation system for flow cytometry	Automates the laborious sample preparation for Flow Cytometry, that fuels consistency, maximizes lab resources and minimizes errors.
190	IVDR Clinical Flow Cytometer	in vitro diagnostic device for immunophenotyping in areas of HIV, Transplant & Transfusion, characterize hematological malignancies
191	APD Cassette with 4 Prong	Automated Peritoneal Dialysis (APD) Set with Cassette and 4 prong Luers is used for the transfer of fluids for peritoneal dialysis therapy
192	Therapeutic Hypothermia Device	Targeted temperature management post cardiac arrest. Normothermia in high fever cases. Hypothermia for HIE.

193	Extra Corporeal Shockwave Lithotripter for Urology and GI application	it is a medical device for application of focused shock waves from outside the body of a patient aiming at the fragmentation of concrements inside the body of this patient, and related ultrasound or X-ray imaging. The shock wave unit can be used for stones (in the renal calyces or in the renal pelvis) o Ureteral stones (in the upper, mid, or lower ureter, including prevesical stones) o Bile duct stones that are not suitable to be extracted endoscopically o Pancreatic duct stones o Bladder stones - ESWL can also be used in the treatment of bladder stones but overall this use is uncommon. This unit shall be used for the following clinical indications for concrement localization: o Concrement localization by ultrasound and/or X-ray imaging (fluoroscopy, radiography) of the urogenital tract or the biliary tract, before, during and after Extracorporeal Shock Wave Lithotripsy (ESWL).
194	Extra Corporeal Shockwave Therapy device	The shock wave therapy unit, designed for extracorporeal shock wave therapy (ESWT), suitable for the following medical applications irrespective of their age and gender of the patients. • Pain therapy in the framework of extra-corporeal shock wave therapy • Trigger point treatment with shock waves • Treatment of induration penis plastica (IPP) • Treatment of vascular erectile dysfunction • Treatment of Cellulite
195	Intraoperative ultrasound machine	Diagnostic ultrasound imaging or fluid flow analysis of the human body
196	Pneumatic ISWL Lithotripter	Intended for the fragmentation of urinary tract calculi in the kidney, ureter, and bladder
197	Dual Energy ISWL Lithotripter	Intended for the fragmentation of urinary tract calculi in the kidney, ureter, and bladder
198	Thulium Fibre LASER for Stone & Tissue	Intended for use in surgical procedures using open, laparoscopic and endoscopic incision, excision, resection, ablation, vaporization, coagulation and hemostasis of soft tissue and lithotripsy of stones in use in medical specialties including: Urology, Thoracic, Pulmonary, ENT, Neurosurgery, Gastroenterology, Gynecology and General Surgery.
199	Portable Canistered Negative Pressure Wound Therapy	Chronic Wounds, Pressure ulcer, Incision wounds

200	Topical Haemoglobin Spray	Trauma Wound, Burn Wounds, Diabetic foot Ulcer
201	Soft silicon adhesive 4 layered dressing with flex cut technology	Acute and chronic wounds
202	Intraoral Scanner	Designed for digital acquisition intraoral 3D images for treatment purposes.
203	Extraoral X-Ray Device	X-ray system creates data for digital exposure in the maxillofacial region and subregions for dentistry and pediatric dentistry, for hard-tissue diagnostics within ENT medicine, and for carpal exposures.
204	Intraoral Sensor	X-ray system is designed for digital acquisition of intraoral X-ray images for diagnostic purposes.
205	Endodontic Medical Devices	This procedure pack is intended to be used in treatment of endodontic disease (Root Canal Treatment)
206	Dental Radiology CBCT	Extra Oral and maxillofacial imaging
207	Dental Image Plate Scanner	Dental Intra Oral Imaging
208	Dental Intraoral Camera	Dental Intra Oral Imaging
209	Centralized Suction systems for clinics and universities	Specially designed for dental colleges and large institutes, compatible with dental chairs used to aspirate blood, saliva, and airborne mist from patients' mouths.
210	Centralized Compressor systems	Used to run dental tools used in Intraoral procedures
211	Re-usable Biopsy Instrument	For Soft tissue biopsies
212	Advance Laparoscopic Camera System with 3D-4K-IR technology	A single high end laparoscopic platform for use in advance laparoscopic surgeries across specialities with integrated 4K-3D-IR technologies.
213	ePTFE coated Self-expanding Cover Stents	to treat Peripheral vascular disease & stenosis in Arteriovenous Fistula
214	Oxygenators (Adult, Pediatric, Neonatal)	These Oxygenators are extracorporeal circulation devices used to replace the patient respiratory function during cardiopulmonary bypass procedures. They are used in an extracorporeal perfusion circuit to oxygenate and remove carbon dioxide from the blood, and to cool or warm blood during cardiopulmonary bypass procedures. These hard-shell venous reservoir are extracorporeal circulation devices allowing oxygenators to exploit gas exchange function of patient lungs during cardiopulmonary bypass procedures, providing dynamic patient's venous blood

		collection. They also defoam and filter venous blood and suction blood through a filtering system made of antifoam agent and filter screen
215	PTA Catheter	High pressure balloon for the treatment of iliac and femoral veins
216	Neuro Shunts	life-saving products for a debilitating condition that impacts brain functions and can lead to cognitive impairment in infants, children, and adults.
217	Dural Graft Substitutes and Sealants	are used in neurosurgery in patients with brain injury; used in brain tumour surgery and in other surgeries associated with the brain and spinal cord.
218	Arthroscopy Systems with Visualization system, Radio frequency system and Fluid Management system	
219	Vertebroplasty system - High Viscosity cement with a combination of PMMA, HA and Zirconium dioxide.	System offers a working time of 27 minutes and indicated in Vertebroplasty, Khyphoplasty, Stentoplasty and Fenestrated Screws procedures in Spine. This System is a High Viscosity cement with a combination of PMMA, HA and Zirconium dioxide. System offers a working time of 27 minutes and indicated in Vertebroplasty, Khyphoplasty, Stentoplasty and Fenestrated Screws procedures in Spine.
220	Bio material- 100% Bioactive glass , Gen 2 synthetic bone graft substitute	Bioactive glass is a type of bone graft substitute that is used in orthopedic and spine surgery. It is made of synthetic materials, typically silica-based, that have been designed to promote bone regeneration. The material is highly porous, with a high surface area that promotes cell attachment and growth. Bioactive glass has been designed to be bioactive, meaning that it can stimulate the formation of new bone tissue. Bioactive glass is gradually resorbed and replaced by new bone tissue over time.

221	Quad thread cortical fix cement augmented fenestrated Screw systems	This System is an advance cement augmented Screw. It offers cortical fix thread and offers dual diameter for fenestration point. It comes with 1.75mm diameter at distal end and 1.6 mm diameter at proximal end and ensure proper delivery and equal distribution of the cement. Each fenestration point is at 120 degree for the uniform distribution of cement. It comes in different diameter and lengths .
222	3D printed, cellular titanium bone mimicking Interbody spacers for cervical, PLIF, TLIF, LLIF procedures	The System is a 3D printed Interbody fusion cageS. It is made up of Cellular titanium and provide structural support and promote bone growth.The Conduit Cellular Titanium cages have a unique design that includes small channels or "conduits" on the surface of the cage. These channels are intended to promote bone growth and fusion by allowing for increased blood flow and nutrient exchange.
223	Cobalt chromium vertebral body stenting system for vertebral compression fracture	Vertebral body stenting system is a minimally invasive surgical technique designed to treat vertebral compression fractures. The vertebral body stenting system is a minimally invasive procedure that involves the use of a balloon catheter and stent to stabilize and restore height to the collapsed vertebral body.The stent is made of a titanium alloy, which is strong and durable, and has radiopaque markers to aid in accurate placement. The stent has a unique open-celled design that allows for bone ingrowth, which helps to stabilize the vertebral body over time. The stent comes in various sizes to accommodate different patient anatomy and vertebral levels.
224	K Wireless minimal invasive percutaneous spinal fixation system	System allows one transformative technique which eliminates the need for guidewires, Jamshidi needle & pedicle preparation instrument.Self-starting screw shank with distal tip teeth which enable screw insertion without pedicle preparation (tap or awl)System enable Fully controlled, 1.65mm stylet to advance the screw. Screw is having cannulation of 1.75mm diameter.100mm tab length with 10mm of reduction thread,Laser etched line mark on tab at 10mm increment to track implant depth relative to skin.Streamlined instrument set with only 2 trays.Instruments Compatible with Navigation system and able to address all the pathologies from Degen, Spondy, Tumors, Fractures and Deformity correction with short and long constructs.

225	Sterile Connecting device	Indispensable Eqpt to maintain sterility and closed system by aseptically connecting the ends of tubing of blood bags for Pediatrics blood component provision, Leukofiltration, Component Processing, Frozen Red Cells, Stem cells cryopreservation etc.
226	Automated Blood component Processor	Significantly reduces manpower and turnaround time, ensuring superior quality blood components during preparation.
227	Automated Immunohematology Analyzer	Versatile platform automating blood grouping screening, autoantibody identification, cross-matching, and phenotyping.
228	Blood Component irradiator	It is required for avoidance of transfusion associated life threatening GvHD disease.
229	Dry Plasma Thawer	Required for thawing of cryopreserved blood components without any contact with water thereby avoiding risk of microbial contamination.

List of 363 Medical Devices:

S.No.	Name of Medical Device/Equipment
1	Intra-aortic balloon Pump (IABP)
2	Video Assisted Thoracic Surgery (VATS) and Minimally Invasive Cardiac Surgery instrument set
3	Flow Track Cardiac Output Monitoring
4	Sander's Jet Ventilator for Emergency Airway system
5	Automated identification and antibiotic susceptibility
6	Histopathology fully automated H&E slide Stainer
7	Fully Automated IHC Stainer
8	Auto PAP cervical cancer screening system with HPV
9	Cystoscope paediatric cystoscope
10	Flow Cytometer/Advanced Flow Cytometer/Benchtop Flow Cytometer
11	Flexible cysto- nephoscopy
12	T Piece Resuscitator
13	CO2 Fraction Laser
14	Cavitation/Cavitron - Ultrasonic Surgical Aspirator (CUSA) I Ultrasonic Aspirator
15	Rotary Microtome
16	Endoscopic Saphenous Vein Harvesting (EVH) System
17	Intra operative Imaging and TTFM for CT Surgery
18	Near Infrared Spectroscopy
19	Fluid therapy
20	Near Infrared Spectrometer (NIRS)
21	Electro Physiology (EP) Systems with Consumables
22	TOF Monitor/Watch for Neuro Muscular block
23	Transcranial Doppler
24	Mannequins for training of CPR for COVID Preparedness a)Intubation b)Cardio Pulmonary Resuscitation (CPR) c)Peripheral, Central and Arterial Cannulation d)Front of neck Access (Cricothyroidotomy and tracheostomy)
25	Image Analysis Tools/ Trinocular Compound Phase Contrast Microscope for Andrology Lab
26	Gas Analysis Apparatus Halden's Student Type
27	Gas Analyzer Automatic for CO2, O2 and N2
28	High end Operating Microscope
29	Stroboscope
30	Automated Microbial Identification and Sensitivity System
31	Cryostat
32	Automated Microbiology Susceptibility Testing Analyser
33	FFR Machine (Fractional Flow Reserve)

34	Automated immunoassay system based on the Enzyme Linked Fluorescent Assay (ELFA)
35	Haemostasis System
36	Cytoprep Centrifuge with Vortex Mixer
37	Trans Oesophageal Echo Cardiograph
38	IVUS
39	Minimally Invasive Cardiac Instruments
40	Impella
41	Floppy wire with extra support 0 Coronary Angioplasty
42	Fully Automated Non-Contact Tonometer
43	Optical Biometer
44	Activated Clotting Time Machine
45	Thromboelastogram (TEG); Thromboelastometer/ ROTEM
46	Bone Anchored Hearing Aid (BAHA) Sound Processor with Soft Band.
47	CI Speech Processor for Cochlear Implant
48	Bi-Ventricular Pacemaker with Defibrillator and Quadripolar LV Lead
49	MRI Conditional Automatic Implantable Cardioverter Defibrillator (AICD)
50	MRI Conditional Cardiac Resynchronisation Therapy - Pacing (CRT- P)
51	Expandable Corpectomy device
52	Riomimetic Synthetic Absorbable Dural substitute of sizes
53	AO TRS Modular Drive for Drill/Reamer
54	AO TRS Modular Sagittal saw system
55	Rattery Oscillator
56	Arthroscopy Systems
57	Time Lapse Embryo Imaging System
58	Portable Mobile Endoscopy Unit
59	Cryoprobe
60	Isothermal Calorimeter (ITC)
61	Electrical Impedance Tomography (EIT)
62	FNIRS (Functional Near Infra-Red Spectroscopy) System
63	Automated Hand- Held Analyzer
64	Automated High Throughput Liquid Based Cytology (LBC) System
65	Automated Slide Stainer for Histopathology
66	3T Digital PET/MR
67	Cyclotron - Dual Particle Cyclotron
68	Sweat Collection and Chloride Estimation
69	Automated Bronchoscope Cleaning Equipment
70	Electronics and console for the existing 700 MHz NMR Spectrometer
71	Video bronchoscope With mobility of tip in four directions
72	Freeze Fracture System
73	Cryo Plunge Freezing Unit
74	Biological High Resolution Atomic Force Microscopy
75	Carbon Coater (Evaporator) for grids
76	Haemostasis Analyzer System
77	Auricular Reconstruction Set

78	Thin Layer Chromatography Liner Analyser for lipid analysis
79	Full Endoscopic lumbar IT & ED set
80	Rapid Blood/Fluid Flow warmer
81	Fully Automated Computerized Archival System for Histopathology & Cytology Slides
82	Vacuum Assist Drainage Controller Device
83	VAP Care System
84	Cryoablation Unit
85	3D Printer Hardware with SLA (LFS) TM Technology and Machine interface software
86	Transcutaneous Oxygen Monitor
87	Non-invasive jugular oximetry monitor
88	Dedicated Solid- state cardiac SPECT Camera
89	Hemodynamic Recording System for Cardio Vascular Lab
90	Gel Documentation System
91	Automatic Colony Counter
92	Digital Polymerase Chain Reaction System(dPCR)
93	Multi-block PCR Machine
94	Integrated Automated Charting System upgradable for ICU Monitoring Systems
95	Viscoelastic Global coagulation Testing Device
96	3 feet IVF workstation with stereo microscope & camera
97	384 well block, 96- well block and open array real-time PCR system
98	Advanced High Energy Linear Accelerator (LA) System
99	Agarose Gel Electrophoresis System
100	Air Particle Counter
101	Ambulatory blood pressure Monitor Continuous Glucose Monitoring System
102	Anaerobic work station with gas cylinder complete
103	Animal Stimulator Software for Pharmacology
104	Antibiotic Zone Reader
105	Apheresis Machine
106	A TLS Practising Manikin
107	Autoanalyzer immunoassay (chemiluminescence based) - fully automated with UPS back up
108	Automated bacterial identification system
109	Automated Capillary DNA Sequencer
110	Automated Cell Viability Analyser with computer, printer and UPS
111	Automated Clinical Electrophoresis
112	Automated continuous monitoring standalone blood culture system
113	Automated Coverslipper
114	Automated liquid handling system for Serial Dilutions
115	Automated Microbial Identification and Antimicrobial Susceptibility Testing System
116	Automated Nucleic Acid Purification system (96 well)
117	Automated Protein Purification System (FPLC)-

118	Automated rapid T.B culture and drug sensitivity detection system for 960 samples
119	Automated Slide Stainer
120	Automated tissue microarray & TMA Software
121	Automated Urine Analyser
122	Basic Transcranial Magnetic Stimulator
123	Bench Top Fourier Transform NMR System (Lower version)
124	Bio-Fermenter 25- 50L
125	Biplane DSA
126	RLS Practising Manikin
127	Body Plethysmograph with Diffusion Study
128	Cardiopulmonary Bypass Machine
129	Cardiotocography Machine
130	Cartridge base nucleic acid amplification system (CBNAAT)- 16 cartridge module
131	Cell Counter (6 parts)
132	Cell Morphology Biosensor
133	Cell Saver
134	Chemiluminescence & Gel imaging & analysis system
135	Chemiluminescence enzyme immunoassay processing system (CLEIA)
136	Chemiluminescence and fluorescence doc imaging system
137	CHNS Analyzer
138	Close Sterility Test System
139	CO2 Laser
140	Coaxial Ophthalmoscope Rechargeable
141	Combined Ultrasonic Cutting, Coagulation Vessel sealing System
142	Complete Chromatographic Unit for paper & TLC
143	Cone Beam Computed Tomography
144	Continuous Glucose Monitoring System
145	CR System
146	CRRT Machine
147	Cryo -Microtome (1 in class B)
148	Cryotherapy
149	CT 128 Slice
150	CT 256 Slice
151	CT Simulator System
152	Densitometer with computer
153	Derma scope
154	DEXA Scanner (BMD)
155	Difficult Airway management simulator
156	Digital Non- Mydriatic Fundus Camera
157	Digital Polarimeter Multi wavelength with printer
158	Digital Refractometer
159	Digital Slide Scanning, System with Research Grade Microscope and Image Analysis Software

160	Disintegration Test Equipment (1 basket for 6 tablets)
161	Dissolution Apparatus
162	Dissolution Apparatus with Auto Sampler
163	Dissolution media preparation and delivery system
164	DNA Sequencer (24 Capillary) +Computer
165	DNA Sequencer (96 Capillary) +Computer
166	Drug Discovery Suite
167	Dual action Ultrasonic plus Pneumatic lithotripter
168	ECHO and USG Machine
169	Elbow & Ankle Arthroscopy
170	Electron Microscope
171	Electronic Blood Cell Counter with six-part differential
172	Elevated grossing station
173	ELISA (Demonstration)
174	Elispot Reader
175	Embryonic/Foetal development model
176	Endomotor - Endodontic Electric Motor
177	Endoscopic Sinus Surgery Set Xenon Head Light with Camera System
178	ENT Workstation
179	ESWL
180	Excimer Coronary laser Atherectomy System ,with Catheter (50)
181	Fenestrated adapter
182	Fibreoptic bronchoscope with monitor and recording facility for adult and paediatric
183	Fibre-optic Video Bronchoscope
184	Fibro Scan
185	Flow cytometry with Cell Sorter
186	Fourier-Transform Infrared Spectroscopy
187	Fragment Analyser/On Chip Electrophoresis Devices
188	FT-Infrared Spectrophotometer with ATR and Pellet Press
189	FT-Infrared Spectrophotometer with Pellet Press
190	FTIR with ATR Arrangement
191	Full body pregnancy simulator
192	Full size Inhalation Exposure System
193	Fully Automated Coagulometer
194	Fully automated Gel Documentation system with UPS back up
195	Fully Automated Haemoglobin HPLC System
196	Fully Automated Multiplex Film Array Syndromic System
197	Fully Automated Rotary Microtome with accessories
198	Gamma Camera
199	GAS Chromatography - Mass Spectrometer with flame Ionization detector (GC-MS with FID)
200	GC- Electron capture detector (ECD)
201	GC- Flame Ionization detector (FID & NPD)
202	GC/MS

203	GC-HS
204	GC-HS with FID detector
205	GCMS-MS (QQQ) with HS
206	Gel electrophoresis horizontal with compatible power pack and accessories
207	GLC with Head Space
208	Gluteal IM Injection model
209	Gradient PCR Machine
210	Gradient Thermal Cycler with standalone UPS
211	Grossing Station
212	Hand foot UV phototherapy device
213	Handheld ICG Fluorescence Imaging System (Burns and Plastic Surgery Block)
214	Harmonic scalpel
215	HDR Brachytherapy
216	High Content Screening System
217	High Dimensional Flow Cytometry Analyser
218	High End Virtual Simulator for Intraocular Surgery Training
219	High Performance Liquid Chromatography - Analytical with Auto Injector
220	High performance Thin Layer chromatography (HPTLC)
221	High Resolution GCMS /MS
222	High Resolution Manometry
223	High Resolution Orbitrap Mass Spectrometer
224	High Through put Real Time PCR
225	High throughput single cell analysis system
226	High-Performance Liquid Chromatograph with A/DAD/RI/FLD
227	High-Performance Liquid Chromatograph with PDIA/RI/FLD
228	High-Performance Liquid Chromatograph with Ultraviolet Detector/High-Performance Liquid Chromatograph with UV Detector
229	High-Performance Liquid Chromatography-Analytical with auto injector
230	High-Performance Thin-Layer Chromatography
231	High-Performance Thin-Layer Chromatography (HP TLC)-MS
232	Holmium Laser 100W
233	Holmium LASER System with MOSES Technology
234	HPLC based automated analyser for HbA1c hemoglobinopathy Testing
235	HPLC based automated analyser for HbA1C testing
236	HPLC Preparative (Lower Version)
237	HPLC system
238	HPLC system for haemoglobin analysis
239	I-IPLC with fraction collector
240	HPLC-ICP/MS
241	HPTLC with MS
242	Hydrogen Peroxide Decontamination System
243	Hyperthermic Intra Vesicular Therapy
244	ICP Monitor
245	ICP MS

246	Ilizarov Instrumentation Set Complete with Accessories
247	Image analyser cum viral foci counter
248	Immunoanalyser (Chemiluminescence based) fully automated with UPS back up
249	In vivo Animal imaging System
250	Incinerator
251	Individually ventilated cages/housing system for small animals
252	Intense Pulse Light Device
253	Intra Operative Nerve Monitoring
254	Inverted Fluorescent Microscope with Live Cell Imaging Capability
255	Inverted Trinocular Epifluorescence Microscope with Imaging system
256	Ion Chromatograph
257	IPL (Intense Pulse Light System)
258	IUD insertion trainer uterus
259	Karl Fischer Titrator (Semi- Micro Determination of Water)
260	Laparoscopic Surgery set with High-Definition camera
261	Laparoscopic Surgery Set with Hysteroscope & resectoscope with High-Definition Camera & Monitor
262	Laser for existing Confocal Microscope
263	Lasik Machine
264	LCMS
265	LCMS MS
266	LC-MS/MS (QQQ)
267	Kidney Transporter With 05 Sets of Expendables -with Each Equipment
268	Liquid Based Cytology System
269	Liquid Particle Counter
270	Lymphovascular Microscope
271	Magnetic Bead based Multiplex Immunoassay system
272	Measurement of Lung clearance index (LCI)
273	Melting- Point Apparatus
274	Mercury analyser
275	Metaphase Finder System with Fluorescence
276	Micro Needling Radio Frequency Equipment
277	Microinjection system (Microinjector, Micromanipulator, Pipette puller)
278	Micro method bilirubin analyser
279	Microplate multimode reader
280	Microscope (with Phase Contrast and Camera attachment)
281	Microwave digestion System
282	Motor (electric) Dermabrader
283	MRI
284	MRI 1.5 T
285	MRI 3T T
286	MSK-USG with linear transducer
287	Multimode Microplate Reader and Fluorometer
288	Multimode Reader

289	Multiplex protein array system
290	Multiplex Suspension Array System based 11 xMAP Technology
291	Nanobio Spectrophotometer
292	NdYag Laser with IPL
293	Nerve stimulator (intra operative)
294	Neuro Surgical Drill with all attachments.
295	New-born Resuscitation Manikin
296	Next Generation Sequencer - Higher Version
297	Next Generation Sequencer - Lower Version
298	Next generation sequencing machine
299	Nursing infant patient stimulator with remote control
300	OAE (screening)
301	Orbitrap Proprietary Mass Spectrometer
302	Orthopantomogram (OPG) unit
303	Osmometer
304	Patient Care Simulator
305	Patient Care Simulator with Sim Pad
306	PCNL set
307	Paediatric Bronchoscope set
308	Paediatric cystoscope and resectoscope set/Cystoscope & Resectoscope — Paediatric
309	Paediatric High Resolution Fibre Flexible Bronchoscope with recorder and Screen Display
310	Paediatric laparoscopy set
311	Paediatric rigid Esophagoscope
312	PET CT
313	Physical assessment simulator
314	Platform pedography system
315	Point of Care Device for estimation of Cardiac Biornarkers (CKMB, Troponin, BNP, Myoglobin) and PT-INR
316	Point of Care Machine (Trop I, BNP, CPK-MB, CRP)
317	Polarimeter with Multi Wavelength
318	Portable Fluorescence Microscope
319	Potentiometric Titrator with necessary electrode
320	Potentiometric Titrimeter
321	Power Assisted Liposuction System
322	Power Tools for Craniomaxillofacial and hand surgery (Electric micro drill)
323	Powered Liposuction Set
324	Preparative floor model refrigerated ultracentrifuge
325	Protein purification system
326	Pulsed Field Electrophoresis System
327	QTOF Mass Spectrometer
328	Quaternary FHPLC (Fast High Pressure Liquid Chromatography) with Fluorescence + visible and PDA detectors with columns and autosampler

	(Inclusive Software programme + computer + printer+ Online UPS with at least 1 hr backup)
329	Radiofrequency Generator with integrated vessel sealing and cutting system
330	Raman Spectroscope
331	Rigid Bronchoscope
332	Rigid Thoracoscope (VATS)
333	Shaver System cum micro drill
334	Small animal behavioural monitoring, tracking and analysis system with accessories (For safety pharmacology)
335	Spectrofluorometer
336	Super Microsurgery System
337	Texture Analyzer
338	Thalassaemia And Hemoglobinopathy Testing/Screening System
339	Thermal Cycler
340	TOC analyser
341	Transcranial Magnetic Stimulator
342	Transcutaneous bilirubin analyser
343	Transillumination Caries Detector
344	Triple Quadrupole Mass Spectrometer
345	Tube feeding simulator (NG, OG and PEG)
346	Tympanometer
347	Ultra-High Performance Liquid Chromatography
348	Ultracentrifuge with HEPA filter and necessary Rotors
349	Ultra-Fast Liquid Chromatography
350	Ultrasonic cutting and Coagulation device
351	Ultraviolet/ Visible Spectrophotometer
352	Uretero-renoscope- Adult
353	Uretero-renoscope- Paediatric
354	Vacuum assisted wound closer system
355	Vacuum Assisted Tissue Processor
356	Venepuncture and injection arm
357	Venous Coupler System
358	Vertical Gel Electrophoresis Apparatus with Western Blotting Apparatus
359	Western Blot Apparatus with Compatible power Pack
360	Workstation for Multi-PTM analysis (Proteomics)
361	XRD
362	Biological indicator auto reader (Incubator)
363	Vacuum Assisted Breast Biopsy Machine