

**No. 35026/176/2021-MD**  
**Government of India**  
**Ministry of Chemicals & Fertilizers**  
**Department of Pharmaceuticals**

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Janpath Bhawan, New Delhi  
Dated 1<sup>st</sup> February, 2022

**PUBLIC NOTICE**

**Subject:- Relaxation on Global Tender Enquiry (GTE) under rule 161(iv) of General Financial Rules (GFRs) 2017 for procurement of Medical Devices based on the requests of the procurement agencies on the grounds of non-availability of Class-I or Class-II suppliers – Confirmation of the the consolidated list of 391 Medical Devices, prior to sending the proposal to DoE through DoHFW - reg**

Reference is taken to the DoP Public Notice dated 18.12.2021 vide which medical devices in two lists (*493 Medical Devices viz, 128 in List-1 and 365 in List-2 of Annexure-I of the Public Notice*) were published to seek the details of local manufacturers for the purpose of procurement under PPO (MII) Order, 2017. The exercise has been taken pursuant to the representations received from the procuring agencies under different Ministries of the Govt. of India such as CMSS, ESIC, AIIMS, Railway Board, DGAFMS, HITES, etc. with regard to non-availability of Class-I or Class-II suppliers for identified Medical Devices/Equipment.

02. The Department of Expenditure (DoE) vide O.M. dated 06.01.2022 (copy enclosed) *exempted these 128 medical devices* from the instructions issued by DoE O.M. no. F.12/17/2019-PPD dated 15.05.2020 & 28.05.2020 duly giving relaxation on Global Tender Enquiry (GTE) under rule 161(iv) of General Financial Rules (GFRs) 2017 for procurement of these Medical Devices. The exemption will be valid for all the tenders issued for such items till 31.3.2023.

03. All the representations and responses received on the publication of DoP's Public Notice dated 18.12.2021 and also pursuant to the DoE's above OM dated 06.01.2022 were examined and considered as part of the ongoing exercise to

finalize the list of medical devices where issues regarding procurement are being faced by the Govt. procuring agencies w.r.t. non-availability of Class-I or Class-II suppliers. A total of 63 representations were received and considered and the same are listed at **Annexure-A**. This includes the list of representations received from DoHFW and other offices.

04. Keeping in view the inputs received as mentioned in para-03 above, **a consolidated list of 391 Medical Devices/Equipment** has been drawn where there seem to be no local manufacturer of the same and the same is placed at **Annexure-B**.

- It is to inform that subsequent to the DoHFW's proposal to DoE requesting for exemption of initial list of 128 Medical Devices, DoP has received the list of local manufacturers for some of the medical devices out of the 128 notified medical devices exempted by DoE vide their OM dated 6.1.2022 (referred in Para-02). Accordingly, in the consolidated list, same is updated. (The list-1 of Annexure-I has been reduced to 108 from 128).
- Similarly, this consolidated list contains the list of medical devices with the confirmation of non-availability of Class-I or Class-II suppliers for List-2 of the medical devices in Annexure-I of DoP's Public Notice dated 18.12.2021. (The list-2 of Annexure-I has been reduced to 283 from 365).

05. Therefore, the **consolidated list of 391 Medical Devices/Equipment at Annexure-B** is published to seek specific comments from the industry/medical device associations, with regard to non-availability of Class-I or Class-II suppliers for identified Medical Devices/Equipment. Such comments may be provided at **pppmii-dop@gov.in** by not later than **6.00 pm on 07.02.2022**.

06. This issues with the approval of Secretary, Department of Pharmaceuticals.

**Enclosure: As above**



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## Annexure A

### List of associations/manufacturers who have responded to DoP Public Notice dated 18.12.2021 and D/o Expenditure OM dated 06.01.2022

1. Association of Indian Medical Device Industry (AIMED)
2. SS Innovations Pvt. Ltd.
3. Curionics Systems
4. Diabetik Foot Care India Pvt Limited
5. Robonik India Pvt Ltd
6. Univlabs
7. Panacea Medical Technologies Pvt Ltd
8. Micro Lab Instruments
9. Appasamy Associates (P) Ltd.
10. Paradigm Innomed LLP
11. ARVS Equipments Private Limited
12. Diasys Diagnostics India Private Limited
13. Dr. Sabharwal's Wound Care
14. Labat Asia Private Limited
15. Plenum Tech Private Limited
16. Prantae Solutions
17. Kanad Vidyut
18. Althion Tech Innovations Pvt. Ltd
19. Uteshiya medicare pvt ltd
20. Happy Reliable Surgeries (HRS) Private Limited
21. Meril
22. Healthium Medtech Limited
23. Adlisc Medical India Pvt. Ltd.
24. Helix Private Limited
25. Skanray Technologies Limited
26. Aurolab

- 27.Mitra Industries Private Limited
- 28.Allied Medical Limited
- 29.Labco Instruments
- 30.Transasia Bio-Medicals Ltd.
- 31.Veol Medical Technologies Pvt. Ltd.
- 32.New Vision Corporation
- 33.Ambu
- 34.Terumo Penpol Private Limited
- 35.Mitra Medical Services LLP
- 36.Recorders & Medicare Systems (P) Ltd.
- 37.BPL Medical Technologies Pvt. Ltd.
- 38.Unicorn Denmart
- 39.Allengers Medical Systems Ltd.
- 40.Philips India Limited
- 41.YK Analytical Corporation
- 42.Renalyx Health Systems Pvt. Ltd.
- 43.Status Medical Equipments
- 44.Bharat Electronics Limited
- 45.Systronics (India) Ltd.
- 46.Visionaria Health Systems Pvt Ltd.
- 47.Sensacore
- 48.Sperm Processor Pvt. Ltd.
- 49.Noccarc Robotics Pvt. Ltd.
- 50.Molbio Diagnostics Private Limited
- 51.Strides Software Solutions Pvt. Ltd.
- 52.Paramount Surgimed Ltd.
- 53.Pitkar
- 54.Artificial Learning Systems India Private Limited (Artelus)
- 55.Assistant professor of laboratory Management (hematology), AIIMS

56. Director Health Economics & Govt Affairs, India HUB and ASEAN
57. Mylab Discovery solutions
58. CMO, SAIL –ISP, Burnpur
59. CII
60. US India Strategic Partnership Forum (USISPF)
61. Medical Technology Association of India (MTAI)
62. Kalam Institute of Health Technology (KIHT)
63. Association of Diagnostic Manufacturers of India (ADMI)

## Annexure-B

### Consolidated List of 391 Medical Devices/Equipment where no local manufacturer is available (drawn from List-1 and List-2 of Annexure I of DoP Public Notice dated 18.12.2021)

S.No.	Name of Medical Device/Equipment	Corresponding entry in DoP's Public Notice dated 18.12.2021
1	Intra-aortic balloon Pump (IABP)	S.No 1 in List-1 of Annexure I
2	Video Assisted Thoracic Surgery (VATS) and Minimally Invasive Cardiac Surgery instrument set	S.No 2 in List-1 of Annexure I
3	Flow Track Cardiac Output Monitoring	S.No 3 in List-1 of Annexure I
4	Sander's Jet Ventilator for Emergency Airway	S.No 4 in List-1 of Annexure I
5	Automated Identification and antibiotic susceptibility system	S.No 6 in List-1 of Annexure I
6	Histopathology fully automated H& E slide Stainer	S.No 8 in List-1 of Annexure I
7	Fully Automated IHC Stainer	S.No 9 in List-1 of Annexure I
8	Auto PAP cervical cancer screening system with HPV	S.No 10 in List-1 of Annexure I
9	Cystoscope paediatric cystoscope	S.No 13 in List-1 of Annexure I
10	Flow Cytometer/Advanced Flow Cytometer/Benchtop Flow Cytometer	S.No 14 in List-1 and S.No 5, 39 in List-2 of Annexure I
11	Flexible cysto-nephoscopy	S.No 15 in List-1 of Annexure I
12	T Piece Resuscitator	S.No 16 in List-1 of Annexure I
13	CO2 Fraction Laser	S.No 17 in List-1 of Annexure I
14	Cavitation /Cavitron - Ultrasonic Surgical Aspirator (CUSA) / Ultrasonic Aspirator	S.No 22 in List-1 and S.No 345 in List-2 of Annexure I
15	Rotary Microtome	S.No 24 in List-1 of Annexure I
16	Endoscopic Saphenous Vein Harvesting (EVH) System	S.No 26 in List-1 of Annexure I
17	Intra operative Imaging and TTFM for CT Surgery	S.No 27 in List-1 of Annexure I
18	DEXA Scan	S.No 28 in List-1 of Annexure I
19	Near Infrared Spectroscopy	S.No 30 in List-1 of Annexure I
20	Fluid therapy	S.No 31 in List-1 of Annexure I
21	Near Infrared Spectrometer (NIRS)	S.No 32 in List-1 of Annexure I
22	Electro Physiology (EP) System	S.No 33 in List-1 of Annexure I
23	TOF Monitor/Watch for Neuro Muscular	S.No 34 in List-1 of Annexure I

	block	
24	Transcranial Doppler	S.No 35 in List-1of Annexure I
25	Low Temperature Hydrogen Peroxide Gas Steriliser	S.No36 in List-1of Annexure I
26	Mannequins for training of CPR for COVID Preparedness	S.No 37 in List-1of Annexure I
	a) Intubation	
	b) Cardio Pulmonary Resuscitation (CPR)	
	c) Peripheral, Central and Arterial Cannulation	
	d) Front of neck Access (Cricothyroidotomy and tracheostomy)	
27	Image Analysis Tools/ Trinocular Compound Phase Contrast Microscope for Andrology Lab	S.No 38 in List-1of Annexure I
28	Gas Analysis Apparatus Halden's Student Type	S.No 39 in List-1of Annexure I
29	Gas Analyzer Automatic for CO <sub>2</sub> , O <sub>2</sub> and N <sub>2</sub>	S.No 40 in List-1of Annexure I
30	High end Operating Microscope	S.No 41 in List-1of Annexure I
31	Plasma Coblation System	S.No 42 in List-1of Annexure I
32	Stroboscope	S.No 43 in List-1of Annexure I
33	Automated Microbial Identification and Sensitivity System	S.No 45 in List-1of Annexure I
34	Cryostat	S.No 47 in List-1of Annexure I
35	Automated Microbiology Susceptibility Testing Analyser	S.No 48 in List-1of Annexure I
36	FFR Machine (Fractional Flow Reserve)	S.No 49 in List-1of Annexure I
37	Automated immunoassay system based on the Enzyme Linked Fluorescent Assay (ELFA)	S.No 50 in List-1of Annexure I
38	Benchtop automated extraction instrument/Automated nucleic acid extraction system	<i>Name 'Kingfisher Flex' as indicated by procurement agency, replaced on the grounds of brand name.</i> S.No 51 in List-1of Annexure I
39	Haemostasis System	<i>Name 'ACL Elite' as indicated by procurement agency, replaced on the grounds of brand name.</i> S.No 52 in List-1of Annexure I
40	Cytoprep Centrifuge with Vortex Mixer	S.No 53 in List-1of Annexure I
41	Antigen Retrieval System	S.No 54 in List-1of Annexure I

42	Trans Oesophageal Echo Cardiograph	S.No 55 in List-1of Annexure I
43	IVUS	S.No 56 in List-1of Annexure I
44	Low Temperature Plasma Sterilizers	S.No 57 in List-1of Annexure I
45	Minimally Invasive Cardiac Instruments	S.No 58 in List-1of Annexure I
46	Impella	S.No 59 in List-1of Annexure I
47	Endourology set	S.No 60 in List-1of Annexure I
48	Floppy wire with extra support 0 Coronary Angioplasty	S.No 63 in List-1of Annexure I
49	Fully Automated Non-Contact Tonometer	S.No 64 in List-1of Annexure I
50	Optical Biometer	S.No 65 in List-1of Annexure I
51	Activated Clotting Time Machine	S.No 68 in List-1of Annexure I
52	Thromboelastogram (TEG)/ Thromboelastometer/ ROTEM	S.No 69 in List-1of Annexure I
53	Bone Anchored Hearing Aid (BAHA) Sound Processor with Soft Band.	S.No 70 in List-1of Annexure I
54	CI Speech Processor for Cochlear Implant	S.No 71 in List-1of Annexure I
55	Bi-Ventricular Pacemaker with Quadripolar LV Lead	S.No 72 in List-1of Annexure I
56	DDDR with Matching Electrodes Pacemaker	S.No 73 in List-1of Annexure I
57	MRI Conditional Automatic Implantable Cardioverter Defibrillator (AICD)	S.No 74 in List-1of Annexure I
58	MRI Conditional Cardiac Resynchronisation Therapy - Pacing (CRT- P)	S.No 75 in List-1of Annexure I
59	Single Chamber (SSI) MRI Compatible Pacemaker	S.No 76 in List-1of Annexure I
60	Single Chamber Temporary Pacemaker	S.No 77 in List-1of Annexure I
61	Vacuum Heart Stabilizer System for off Pump CABG	S.No 79 in List-1of Annexure I
62	Expandable Corpectomy device	S.No in 80 List-1of Annexure I
63	Biomimetic Synthetic Absorbable Dural substitute of sizes	S.No 81 in List-1of Annexure I
64	AO TRS Modular Drive for Drill/Reamer	S.No 82 in List-1of Annexure I
65	AO TRS Modular Sagittal saw system	S.No 83 in List-1of Annexure I
66	Battery Oscillator	S.No 84 in List-1of Annexure I
67	Arthroscopy Systems	S.No 85 in List-1of Annexure I
68	Time Lapse Embryo Imaging System	S.No 87 in List-1of Annexure I
69	Portable Mobile Endoscopy Unit	S.No 88 in List-1of Annexure I
70	Cryoprobe	S.No 89 in List-1of Annexure I
71	Isothermal Calorimeter (ITC)	S.No 90 in List-1of Annexure I
72	Electrical Impedance Tomography	S.No 91 in List-1of Annexure I



73	FNIRS (Functional Near Infra-Red Spectroscopy) System	S.No 92 in List-1of Annexure I
74	Automated Hand-Held Analyzer	S.No 93 in List-1of Annexure I
75	Automated High Throughput Liquid Based Cytology (LBC) System	S.No 94 in List-1of Annexure I
76	Automated IHC (ImmunoHistochemistryStainer)	S.No 95 in List-1of Annexure I
77	Automated Slide Stainer for Histopathology	S.No 96 in List-1of Annexure I
78	3T Digital PET/MR	S.No 97 in List-1 of Annexure I
79	Cyclotron/Dual Particle Cyclotron	S.No 98 in List-1 and S.No 89 of List-2 of Annexure I
80	Sweat Collection and Chloride Estimation	S.No 99 in List-1of Annexure I
81	Automated Bronchoscope Cleaning Equipment	S.No 100 in List-1of Annexure I
82	Electronics and console for the existing 700 MHz NMR Spectrometer	S.No 101 in List-1of Annexure I
83	Video bronchoscope with mobility of tip in four directions	S.No 102 in List-1of Annexure I
84	Freeze Fracture System	S.No 103 in List-1of Annexure I
85	Cryo Plunge Freezing Unit	S.No 104 in List-1of Annexure I
86	Biological High- Resolution Atomic Force Microscopy	S.No 105 in List-1of Annexure I
87	Carbon Coater (Evaporator) for grids	S.No 106 in List-1of Annexure I
88	HemostasisAnalyzer System	S.No 107 in List-1of Annexure I
89	Auricular Reconstruction Set	S.No 108 in List-1of Annexure I
90	Thin Layer Chromatography Liner Analyser for lipid analysis	S.No 109 in List-1of Annexure I
91	Digital Slide Scanner System	S.No 110 in List-1of Annexure I
92	Full Endoscopic lumbar IT & ED set	S.No 111 in List-1of Annexure I
93	Rapid Blood/Fluid Flow warmer	S.No 112 in List-1of Annexure I
94	Fully Automated Computerized Archival System for Histopathology & Cytology Slides	S.No 113 in List-1of Annexure I
95	Vacuum Assist Drainage Controller Device	S.No 114 in List-1of Annexure I
96	VAP Care System	S.No 115 in List-1of Annexure I
97	Cryoablation Unit	S.No 116 in List-1of Annexure I
98	3D Printer Hardware with SLA (LFS) TM Technology and Machine interface software	S.No 117 in List-1of Annexure I
99	Transcutaneous Oxygen Monitor	S.No 118 in List-1of Annexure I
100	Non-Invasive Jugular Oximetry Monitor	S.No 119 in List-1of Annexure I
101	Dedicated Solid-state cardiac SPECT Camera	S.No 120 in List-1of Annexure I

102	Hemodynamic Recorded for Cardio Vascular Lab	S.No 121 in List-1of Annexure I
103	Gel Documentation System	S.No 122 in List-1of Annexure I
104	Automatic Colony Counter	S.No 123 in List-1of Annexure I
105	Droplet Digital Polymerase Chain Reaction System (PCR)	S.No 124 in List-1of Annexure I
106	Multi-block PCR Machine	S.No 125 in List-1of Annexure I
107	Integrated Automated Charting System upgradable for ICU Monitoring Systems	S.No 126 in List-1of Annexure I
108	Viscoelastic Global coagulation Testing Device	S.No 127 in List-1of Annexure I
109	3 feet IVF workstation with stereo microscope & camera	S.No 1 in List-2 of Annexure I
110	384 well block, 96-well block and open array real-time PCR system	S.No 2 in List-2 of Annexure I
111	Advanced High Energy Linear Accelerator (LA) System	S.No 6 in List-2 of Annexure I
112	Agarose Gel Electrophoresis System	S.No 7 in List-2 of Annexure I
113	Air Particle Counter	S.No 8 in List-2 of Annexure I
114	Ambulatory blood pressure Monitor Continuous Glucose Monitoring System	S.No 9 in List-2 of Annexure I
115	Anaerobic work station with gas cylinder complete	S.No 10 in List-2 of Annexure I
116	Animal Stimulator Software for Pharmacology	S.No 11 in List-2 of Annexure I
117	Antibiotic Zone Reader	S.No 12 in List-2 of Annexure I
118	Apheresis Machine	S.No 13 in List-2 of Annexure I
119	ATLS Practising Manikin	S.No 14 in List-2 of Annexure I
120	Autoanalyzer immunoassay (chemiluminescence based) - fully automated with UPS back up	S.No 17 in List-2 of Annexure I
121	Automated bacterial identification system	S.No 18 in List-2 of Annexure I
122	Automated Capillary DNA Sequencer	S.No 19 in List-2 of Annexure I
123	Automated Cell Viability Analyser with computer, printer and UPS	S.No 20 in List-2 of Annexure I
124	Automated Clinical Electrophoresis	S.No 21 in List-2 of Annexure I
125	Automated continuous monitoring standalone blood culture system	S.No 22 in List-2 of Annexure I
126	Automated Coverslipper	S.No 23 in List-2 of Annexure I
127	Automated digital slide scanner	S.No 24 in List-2 of Annexure I

128	Automated liquid handling system for Serial Dilutions	S.No 25 in List-2 of Annexure I
129	Automated Microbial Identification and Antimicrobial Susceptibility Testing System	S.No 26 in List-2 of Annexure I
130	Automated Nucleic Acid Purification system (96 well)	S.No 27 in List-2 of Annexure I
131	Automated Perimeter	S.No 28 in List-2 of Annexure I
132	Automated Protein Purification System (FPLC)-	S.No 29 in List-2 of Annexure I
133	Automated rapid T.B culture and drug sensitivity detection system for 960 samples	S.No 30 in List-2 of Annexure I
134	Automated Slide Stainer	S.No 32 in List-2 of Annexure I
135	Automated Tissue Microarrayer & TMA Software	S.No 33 in List-2 of Annexure I
136	Automated Urine Analyser	S.No 34 in List-2 of Annexure I
137	Basic Transcranial Magnetic Stimulator	S.No 37 in List-2 of Annexure I
138	Bench Top Fourier Transform NMR System (Lower version)	S.No 40 in List-2 of Annexure I
139	Bio-Fermenter 25-50L	S.No 42 in List-2 of Annexure I
140	Biplane DSA	S.No 43 in List-2 of Annexure I
141	BLS Practising Manikin	S.No 49 in List-2 of Annexure I
142	Body Plethysmograph with Diffusion Study	S.No 50 in List-2 of Annexure I
143	Cardiopulmonary Bypass Machine	S.No 54 in List-2 of Annexure I
144	Cardiotocography Machine	S.No 55 in List-2 of Annexure I
145	Cartridge base nucleic acid amplification system (CBNAAT)-16 cartridge module	S.No 57 in List-2 of Annexure I
146	Cell Counter (6 parts)	S.No 60 in List-2 of Annexure I
147	Cell Morphology Biosensor	S.No 61 in List-2 of Annexure I
148	Cell Saver	S.No 62 in List-2 of Annexure I
149	Chemiluminescence & Gel imaging & analysis system	S.No 63 in List-2 of Annexure I
150	Chemiluminescence enzyme immunoassay processing system (CLEIA)	S.No 64 in List-2 of Annexure I
151	Chemiluminescence and fluorescence doc imaging system	S.No 65 in List-2 of Annexure I
152	CHNS Analyzer	S.No 66 in List-2 of Annexure I
153	Close Sterility Test System	S.No 67 in List-2 of Annexure I
154	CO2 Laser	S.No 68 in List-2 of Annexure I
155	Coaxial Ophthalmoscope Rechargeable	S.No 69 in List-2 of Annexure I

156	Combined Ultrasonic Cutting, Coagulation & Vessel sealing System	S.No 74 in List-2 of Annexure I
157	Complete Chromatographic Unit for paper & TLC	S.No 75 in List-2 of Annexure I
158	Cone Beam Computed Tomography	S.No 78 in List-2 of Annexure I
159	Continuous Glucose Monitoring System	S.No 79 in List-2 of Annexure I
160	CR System	S.No 80 in List-2 of Annexure I
161	Cranial Stabilization system	S.No 81 in List-2 of Annexure I
162	CRRT Machine	S.No 82 in List-2 of Annexure I
163	Cryo -Microtome (1 in class B)	S.No 83 in List-2 of Annexure I
164	Cryotherapy	S.No 85 in List-2 of Annexure I
165	CT 128 Slice	S.No 86 in List-2 of Annexure I
166	CT 256 Slice	S.No 87 in List-2 of Annexure I
167	CT Simulator System	S.No 88 in List-2 of Annexure I
168	Cystoscope-resectoscope-VIU-Cystolithotripsy-TURis Adult set	S.No 90 in List-2 of Annexure I
169	Densitometer with computer	S.No 91 in List-2 of Annexure I
170	Derma scope	S.No 92 in List-2 of Annexure I
171	DEXA Scanner (BMD)	S.No 93 in List-2 of Annexure I
172	Difficult Airway management simulator	S.No 94 in List-2 of Annexure I
173	Digital Non-Mydriatic Fundus Camera	S.No 97 in List-2 of Annexure I
174	Digital Polarimeter Multi wavelength with printer	S.No 98 in List-2 of Annexure I
175	Digital Refractor Meter	S.No 99 in List-2 of Annexure I
176	Digital Slide Scanning System with Research Grade Microscope and Image Analysis Software	S.No 100 in List-2 of Annexure I
177	Disintegration Test Equipment (1 basket for 6 tablets)	S.No 101 in List-2 of Annexure I
178	Dissolution Apparatus	S.No 102 in List-2 of Annexure I
179	Dissolution Apparatus with Auto Sampler	S.No 103 in List-2 of Annexure I
180	Dissolution media preparation and delivery system	S.No 104 in List-2 of Annexure I
181	DNA Sequencer (24 Capillary) +Computer	S.No 105 in List-2 of Annexure I
182	DNA Sequencer (96 Capillary) +Computer	S.No 106 in List-2 of Annexure I
183	Drug Discovery Suite	S.No 109 in List-2 of Annexure I
184	Dual action Ultrasonic plus Pneumatic lithotripter	S.No 110 in List-2 of Annexure I
185	ECHO and USG Machine	S.No 111 in List-2 of Annexure I
186	Elbow & Ankle Arthroscopy	S.No 113 in List-2 of Annexure I

187	Electrohydraulic Urology operation theatre tables	S.No 115 in List-2 of Annexure I
188	Electron Microscope	S.No 117 in List-2 of Annexure I
189	Electronic Blood Cell Counter with six-part differential	S.No 118 in List-2 of Annexure I
190	Elevated grossing station	S.No 119 in List-2 of Annexure I
191	ELISA (Demonstration)	S.No 120 in List-2 of Annexure I
192	Elispot Reader	S.No 122 in List-2 of Annexure I
193	Embryonic/Foetal development model	S.No 123 in List-2 of Annexure I
194	Endomotor - Endodontic Electric Motor	S.No 124 in List-2 of Annexure I
195	Endoscopic sinus surgery set Xenon head light with camera system	S.No 125 in List-2 of Annexure I
196	ENT Workstation	S.No 128 in List-2 of Annexure I
197	ESWL	S.No 129 in List-2 of Annexure I
198	Excimer Coronary laser Atherectomy System with Catheter (50)	S.No 132 in List-2 of Annexure I
199	Fenestrated adapter	S.No 133 in List-2 of Annexure I
200	Fibreoptic bronchoscope with monitor and recording facility for adult and paediatric	S.No 135 in List-2 of Annexure I
201	Fibre-optic Video Bronchoscope	S.No 136 in List-2 of Annexure I
202	Fibro Scan	S.No 137 in List-2 of Annexure I
203	Flow cytometry with Cell Sorter	S.No 139 in List-2 of Annexure I
204	Fourier-Transform Infrared Spectroscopy	S.No 140 in List-2 of Annexure I
205	Fragment Analyser/On Chip Electrophoresis Devices	S.No 141 in List-2 of Annexure I
206	FT-Infrared Spectrophotometer with ATR and Pellet Press	S.No 142 in List-2 of Annexure I
207	FT-Infrared Spectrophotometer with Pellet Press	S.No 143 in List-2 of Annexure I
208	FTIR with ATR Arrangement	S.No 144 in List-2 of Annexure I
209	Full body pregnancy simulator	S.No 145 in List-2 of Annexure I
210	Full size Inhalation Exposure System	S.No 146 in List-2 of Annexure I
211	Fully Automated Coagulometer	S.No 148 in List-2 of Annexure I
212	Fully automated Gel Documentation system with UPS back up	S.No 149 in List-2 of Annexure I
213	Fully Automated Haemoglobin HPLC System	S.No 150 in List-2 of Annexure I
214	Fully Automated Multiplex Film Array Syndromic System	S.No 151 in List-2 of Annexure I
215	Fully Automated Rotary Microtome with accessories	S.No 152 in List-2 of Annexure I

216	Gamma Camera	S.No 153 in List-2 of Annexure I
217	GAS Chromatography - Mass Spectrometer with flame Ionization detector (GC-MS with FID)	S.No 154 in List-2 of Annexure I
218	GC- Electron capture detector (ECD)	S.No 155 in List-2 of Annexure I
219	GC- Flame Ionization detector (FID&NPD)	S.No 156 in List-2 of Annexure I
220	GC/MS	S.No 157 in List-2 of Annexure I
221	GC-HS	S.No 158 in List-2 of Annexure I
222	GC-HS with FID detector	S.No 159 in List-2 of Annexure I
223	GCMS-MS (QQQ) with HS	S.No 160 in List-2 of Annexure I
224	Gel electrophoresis horizontal with compatible power pack and accessories	S.No 161 in List-2 of Annexure I
225	GLC with Head Space	S.No 162 in List-2 of Annexure I
226	Gluteal IM Injection model	S.No 163 in List-2 of Annexure I
227	Gradient PCR Machine	S.No 164 in List-2 of Annexure I
228	Gradient Thermal Cycler with standalone UPS	S.No 165 in List-2 of Annexure I
229	Grossing Station	S.No 166 in List-2 of Annexure I
230	Hand foot UV phototherapy device	S.No 167 in List-2 of Annexure I
231	Handheld ICG Fluorescence Imaging System (Burns and Plastic Surgery Block)	S.No 169 in List-2 of Annexure I
232	Harmonic scalpel	S.No 170 in List-2 of Annexure I
233	HDR Brachytherapy	S.No 171 in List-2 of Annexure I
234	High Content Screening System	S.No 174 in List-2 of Annexure I
235	High Dimensional Flow Cytometry Analyser	S.No 175 in List-2 of Annexure I
236	High End Virtual Simulator for Intraocular Surgery Training	S.No 176 in List-2 of Annexure I
237	High Performance Liquid Chromatography - Analytical with Auto Injector	S.No 177 in List-2 of Annexure I
238	High performance Thin Layer chromatography (HPTLC)	S.No 178 in List-2 of Annexure I
239	High Resolution GCMS /MS	S.No 179 in List-2 of Annexure I
240	High Resolution Manometry	S.No 180 in List-2 of Annexure I
241	High Resolution Orbitrap Mass Spectrometer	S.No 181 in List-2 of Annexure I
242	High Through put Real Time PCR	S.No 182 in List-2 of Annexure I
243	High throughput single cell analysis system	S.No 183 in List-2 of Annexure I
244	High-Performance Liquid Chromatograph with PDA/DAD/RI/FLD	S.No 183 in List-2 of Annexure I
245	High-Performance Liquid Chromatograph with PDA/RI/FLD	S.No 185 in List-2 of Annexure I

246	High-Performance Liquid Chromatograph with Ultraviolet Detector/High-Performance Liquid Chromatograph with UV Detector	S.No 186 in List-2 of Annexure I
247	High-Performance Liquid Chromatography-Analytical with auto injector	S.No 187 in List-2 of Annexure I
248	High-Performance Thin-Layer Chromatography	S.No 188 in List-2 of Annexure I
249	High-Performance Thin-Layer Chromatography (HP TLC)-MS	S.No 189 in List-2 of Annexure I
250	Holmium Laser 100W	S.No 190 in List-2 of Annexure I
251	Holmium LASER System with MOSES Technology	S.No 191 in List-2 of Annexure I
252	HPLC based automated analyser for HbA1c & hemoglobinopathy Testing	S.No 193 in List-2 of Annexure I
253	HPLC based automated analyser for HbA1C testing	S.No 194 in List-2 of Annexure I
254	HPLC Preparative (Lower Version)	S.No 195 in List-2 of Annexure I
255	HPLC system	S.No 196 in List-2 of Annexure I
256	HPLC system for haemoglobin analysis	S.No 197 in List-2 of Annexure I
257	HPLC with fraction collector	S.No 198 in List-2 of Annexure I
258	HPLC-ICP/MS	S.No 199 in List-2 of Annexure I
259	HPTLC with MS	S.No 200 in List-2 of Annexure I
260	Hydrogen Peroxide Decontamination System	S.No 201 in List-2 of Annexure I
261	Hyperthermic Intra Vesicular Therapy	S.No 202 in List-2 of Annexure I
262	ICP Monitor	S.No 203 in List-2 of Annexure I
263	ICP MS	S.No 204 in List-2 of Annexure I
264	IHC Immunostainer	S.No 205 in List-2 of Annexure I
265	Ilizarov Instrumentation Set Complete with Accessories as	S.No 206 in List-2 of Annexure I
266	Image analyser cum viral foci counter	S.No 207 in List-2 of Annexure I
267	Immunoanalyser (Chemiluminescence based) fully automated with UPS back up	S.No 208 in List-2 of Annexure I
268	In vivo Animal imaging System	S.No 209 in List-2 of Annexure I
269	Incinerator	S.No 210 in List-2 of Annexure I
270	Individually ventilated cages/housing system for small animals	S.No 211 in List-2 of Annexure I
271	Infant Multipurpose Resuscitator cum Operating Beds	S.No 212 in List-2 of Annexure I
272	Intense Pulse Light Device	S.No 213 in List-2 of Annexure I
273	Intra Operative Nerve Monitoring	S.No 214 in List-2 of Annexure I

274	Invasive BP Monitoring System	S.No 215 in List-2 of Annexure I
275	Inverted Fluorescent Microscope with Live Cell Imaging Capability	S.No 216 in List-2 of Annexure I
276	Inverted Trinocular Epifluorescence Microscope with Imaging system	S.No 217 in List-2 of Annexure I
277	Ion Chromatograph	S.No 218 in List-2 of Annexure I
278	IPL (Intense Pulse Light System)	S.No 219 in List-2 of Annexure I
279	IUD insertion trainer uterus	S.No 220 in List-2 of Annexure I
280	Karl Fischer Titrator (Semi-Micro Determination of Water)	S.No 221 in List-2 of Annexure I
281	Laparoscopic Surgery set with High-Definition camera	S.No 222 in List-2 of Annexure I
282	Laparoscopic Surgery Set with Hysteroscope & resectoscope with High-Definition Camera & Monitor	S.No 223 in List-2 of Annexure I
283	Laser for existing Confocal Microscope	S.No 224 in List-2 of Annexure I
284	Lasik Machine	S.No 225 in List-2 of Annexure I
285	LCMS	S.No 226 in List-2 of Annexure I
286	LCMS MS	S.No 227 in List-2 of Annexure I
287	LC-MS/MS (QQQ)	S.No 228 in List-2 of Annexure I
288	LEEP System with Smoke Evacuator & integrated cart	S.No 229 in List-2 of Annexure I
289	Kidney Transporter With 05 Sets of Expendables with Each Equipment	S.No 231 in List-2 of Annexure I
290	Liquid Based Cytology System	S.No 232 in List-2 of Annexure I
291	Liquid Particle Counter	S.No 233 in List-2 of Annexure I
292	Lymphovascular Microscope	S.No 235 in List-2 of Annexure I
293	Magnetic Bead based Multiplex Immunoassay system	S.No 236 in List-2 of Annexure I
294	Measurement of Lung clearance index (LCI)	S.No 237 in List-2 of Annexure I
295	Melting- Point Apparatus	S.No 239 in List-2 of Annexure I
296	Mercury analyser	S.No 240 in List-2 of Annexure I
297	Metaphase Finder System with Fluorescence	S.No 241 in List-2 of Annexure I
298	Micro Needling Radio Frequency Equipment	S.No 242 in List-2 of Annexure I
299	Microinjection system (Microinjector, Micromanipulator, Pipette puller)	S.No 243 in List-2 of Annexure I
300	Micro method bilirubin analyser	S.No 244 in List-2 of Annexure I
301	Microplate multimode reader	S.No 245 in List-2 of Annexure I
302	Microscope (with Phase Contrast and Camera attachment)	S.No 246 in List-2 of Annexure I



303	Microwave digestion System	S.No 248 in List-2 of Annexure I
304	Motor (electric) Dermabrader	S.No 249 in List-2 of Annexure I
305	MRI	S.No 250 in List-2 of Annexure I
306	MRI 1.5 T	S.No 251 in List-2 of Annexure I
307	MRI 3T T	S.No 252 in List-2 of Annexure I
308	MSK-USG with linear transducer	S.No 253 in List-2 of Annexure I
309	Multimode Microplate Reader and Fluorometer	S.No 254 in List-2 of Annexure I
310	Multimode Reader	S.No 255 in List-2 of Annexure I
311	Multiplex Protein Array System	S.No 256 in List-2 of Annexure I
312	Multiplex Suspension Array System based on xMAP Technology	S.No 257 in List-2 of Annexure I
313	Nanobio Spectrophotometer	S.No 258 in List-2 of Annexure I
314	NdYag Laser with IPL	S.No 259 in List-2 of Annexure I
315	Nerve stimulator (intra operative)	S.No 261 in List-2 of Annexure I
316	Neuro Surgical Drill with all attachments.	S.No 262 in List-2 of Annexure I
317	Neurosurgery Operating Table with Accessories	S.No 264 in List-2 of Annexure I
318	New-born Resuscitation Manikin	S.No 265 in List-2 of Annexure I
319	Next Generation Sequencer - Higher Version	S.No 266 in List-2 of Annexure I
320	Next Generation Sequencer - Lower Version	S.No 267 in List-2 of Annexure I
321	Next generation sequencing machine	S.No 268 in List-2 of Annexure I
322	Nursing baby with SimPad/Nursing kid with SimPad system	S.No 269 in List-2 of Annexure I
323	OAE (screening)	S.No 270 in List-2 of Annexure I
324	Orbitrap Proprietary Mass Spectrometer	S.No 274 in List-2 of Annexure I
325	Orthopantomogram (OPG) unit	S.No 275 in List-2 of Annexure I
326	Osmometer	S.No 276 in List-2 of Annexure I
327	Pacemaker Dual Chamber – External	S.No 277 in List-2 of Annexure I
328	Pacemaker Single Chamber – External	S.No 278 in List-2 of Annexure I
329	Patient Care Simulator	S.No 279 in List-2 of Annexure I
330	Patient Care Simulator with Sim Pad	S.No 280 in List-2 of Annexure I
331	Patient warming System	S.No 281 in List-2 of Annexure I
332	PCNL set	S.No 282 in List-2 of Annexure I
333	Paediatric Bronchoscope set	S.No 283 in List-2 of Annexure I
334	Paediatric cystoscope and resectoscope set/Cystoscope & Resectoscope - Paediatric	S.No 284 in List-2 of Annexure I
335	Paediatric High Resolution Fibre Flexible Bronchoscope with recorder and Screen Display	S.No 285 in List-2 of Annexure I

336	Paediatric laparoscopy set	S.No 286 in List-2 of Annexure I
337	Paediatric rigid Esophagoscope	S.No 287 in List-2 of Annexure I
338	PET CT	S.No 288 in List-2 of Annexure I
339	Phaco Machine	S.No 289 in List-2 of Annexure I
340	Physical assessment simulator	S.No 290 in List-2 of Annexure I
341	Platform pedography system	S.No 291 in List-2 of Annexure I
342	Point of Care Device for estimation of Cardiac Biomarkers (CKMB, Troponin, BNP, Myoglobin) and PT-INR	S.No 293 in List-2 of Annexure I
343	Point of Care Machine (Trop I, BNP, CPK-MB, CRP)	S.No 294 in List-2 of Annexure I
344	Polarimeter with Multi Wavelength	S.No 295 in List-2 of Annexure I
345	Portable Fluorescence Microscope	S.No 299 in List-2 of Annexure I
346	Potentiometric Titrator with necessary electrode	S.No 301 in List-2 of Annexure I
347	Potentiometric Titrimeter	S.No 302 in List-2 of Annexure I
348	Power Assisted Liposuction System	S.No 303 in List-2 of Annexure I
349	Power Tools for Craniomaxillofacial and hand surgery (Electric micro drill)	S.No 304 in List-2 of Annexure I
350	Powered Liposuction Set	S.No 305 in List-2 of Annexure I
351	Preparative floor model refrigerated ultracentrifuge	S.No 306 in List-2 of Annexure I
352	Protein purification system	S.No 307 in List-2 of Annexure I
353	Pulsed Field Electrophoresis System	S.No 308 in List-2 of Annexure I
354	QTOF Mass Spectrometer	S.No 310 in List-2 of Annexure I
355	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)	S.No 311 in List-2 of Annexure I
356	Radiofrequency Generator with integrated vessel sealing and cutting system	S.No 312 in List-2 of Annexure I
357	Raman Spectroscope	S.No 313 in List-2 of Annexure I
358	Random access medium throughput fully automated chemistry analyser	S.No 314 in List-2 of Annexure I
359	Rigid Bronchoscope	S.No 317 in List-2 of Annexure I
360	Rigid Thoracoscope (VATS)	S.No 318 in List-2 of Annexure I
361	Shaver System cum micro drill	S.No 321 in List-2 of Annexure I

362	Small animal behavioural monitoring, tracking and analysis system with accessories (For safety pharmacology)	S.No 324 in List-2 of Annexure I
363	Spectrofluorometer	S.No 325 in List-2 of Annexure I
364	Super Microsurgery System	S.No 327 in List-2 of Annexure I
365	Temporary Pace Maker Dual Chamber	S.No 328 in List-2 of Annexure I
366	Temporary Pacer	S.No 329 in List-2 of Annexure I
367	Texture Analyzer	S.No 330 in List-2 of Annexure I
368	Thalassaemia And Hemoglobinopathy Testing/Screening System	S.No 331 in List-2 of Annexure I
369	Thermal Cycler	S.No 332 in List-2 of Annexure I
370	TOC analyser	S.No 335 in List-2 of Annexure I
371	Transcranial Magnetic Stimulator	S.No 336 in List-2 of Annexure I
372	Transcutaneous bilirubin analyser	S.No 337 in List-2 of Annexure I
373	Transillumination Caries Detector	S.No 338 in List-2 of Annexure I
374	Triple Quadrupole Mass Spectrometer	S.No 339 in List-2 of Annexure I
375	Tube feeding simulator (NG, OG and PEG)	S.No 340 in List-2 of Annexure I
376	Tympanometer	S.No 341 in List-2 of Annexure I
377	Ultra-High Performance Liquid Chromatography	S.No 342 in List-2 of Annexure I
378	Ultracentrifuge with HEPA filter and necessary rotors	S.No 343 in List-2 of Annexure I
379	Ultra-Fast Liquid Chromatography	S.No 344 in List-2 of Annexure I
380	Ultrasonic cutting and Coagulation device	S.No 346 in List-2 of Annexure I
381	Ultraviolet/ Visible Spectrophotometer	S.No 349 in List-2 of Annexure I
382	Uretero-roscope- Adult	S.No 350 in List-2 of Annexure I
383	Uretero-roscope-Paediatric	S.No 351 in List-2 of Annexure I
384	Vacuum assisted wound closer system	S.No 356 in List-2 of Annexure I
385	Vacuum Assisted Tissue Processor	S.No 357 in List-2 of Annexure I
386	Venepuncture and injection arm	S.No 358 in List-2 of Annexure I
387	Venous Coupler System	S.No 359 in List-2 of Annexure I
388	Vertical Gel Electrophoresis Apparatus with Western Blotting Apparatus	S.No 360 in List-2 of Annexure I
389	Western Blot Apparatus with Compatible Power Pack	S.No 363 in List-2 of Annexure I
390	Workstation for Multi-PTM analysis (Proteomics)	S.No 364 in List-2 of Annexure I
391	XRD	S.No 365 in List-2 of Annexure I

No.F.4/1/2021-PPD  
 Government of India  
 Ministry of Finance  
 Department of Expenditure  
 Procurement Policy Division

264-C, North Block, New Delhi.  
 6<sup>th</sup> January, 2022.

**OFFICE MEMORANDUM**

**Subject: Relaxation on Global Tender Enquiry (GTE) under Rule 161(iv) of General Financial Rules (GFRs) 2017 for procurement of Medical Devices - reg.**

Attention is invited to this Department's OM No. F.12/17/2019-PPD dated 15.05.2020 and 28.05.2020 regarding amendment in Rule 161(iv) of General Financial Rules (GFRs) 2017 stipulating that no Global Tender Enquiry (GTE) shall be invited for tenders upto Rs. 200 crore or such limit as may be prescribed by this Department from time to time. It further stipulates that in exceptional cases, where the Ministry or the Department feels that there are special reasons for GTE, it may record its detailed justification and seek prior approval for relaxation to the above Rule from the competent authority i.e. Secretary (Coordination), Cabinet Secretariat.

2. In this context, a reference has been received from Ministry of Health & Family Welfare (MoHFW) to exempt procuring entities from seeking approval for floating GTEs in respect of 128 Medical Devices etc. (list is enclosed as Annexure-A). It is stated by MoHFW that after due study of market conditions, there are no domestic manufacturers available for these 128 items.

3. The matter has been examined and it has been decided that 128 items listed at Annexure- A will be exempted from the instructions issued by this Department on 15.05.2020 and 28.05.2020 as above. This exemption will be valid for all the tenders issued for such items till 31.03.2023. MoHFW is requested to review domestic availability of these items at the end of 2022, keeping in view the Production Linked Incentive (PLI) scheme etc. launched by Department of Pharmaceuticals in Medical Devices and other relevant factors, in consultation with that Department.

4. This issues with the approval of Finance Secretary.

*W*  
*06.01.2022*

(Kanwalpreet)  
 Director(PPD)  
 Tel.No. 2309 3811  
 email: kanwal.irss@gov.in

To

Secretaries of All Ministries/ Departments,

Copy to:

1. Secretary (Coordination), Cabinet Secretary.
2. Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, with respect to para 3.

Annexure- A

List of Medical Devices and IVDs, where local manufacturers are not available, as on 17.12.2021 (as verified with the Medical Devices Manufacturing Associations)

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 (EV1000)
4	Sander's Jet Ventilator for Emergency Airway
5	ENT Coblator system with standard set of wands
6	Automated Identification and antibiotic susceptibility system
7	Automated Semen Analyzer
8	Histopathology fully automated H& E slide Stainer
9	Fully Automated IHC Stainer
10	Auto PAP cervical cancer screening system with HPV
11	Automatic components preparation machine
12	Visual Field Analyzer
13	Cystoscope paediatric cystoscope
14	Flow Cytometer
15	Flexible cysto-nephoscopy
16	T Piece Resuscitator
17	CO2 Fraction Laser
18	Diode Laser
19	Q-Switched ND YAD Laser
20	Video Bronchoscope set Adult, Paediatric, and Neonatal
21	Surgical Operating Microscope
22	Cavitation /Cavitron - Ultrasonic Surgical Aspirator (CUSA)
23	Endobronchial Ultrasound System
24	Rotary Microtome
25	Magnifying surgical loupes
26	Endoscopic Saphenous Vein Harvesting (EVH) System
27	Intra operative Imaging and TTFM for CT Surgery
28	DEXA Scan
29	Radio surgery equipment
30	Near Infrared Spectroscopy
31	Fluid therapy
32	Near Infrared Spectrometer (NIRS)
33	Electro Physiology (EP) System
34	TOF Monitor/Watch for Neuro Muscular block

## 2463350/2021/PROCUREMENT-I

35	Transcranial Doppler
36	Low Temperature Hydrogen Peroxide Gas Steriliser
37	Mannequins (Laerdal) 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)
38	Image Analysis Tools/ Trinocular Compound Phase Contrast Microscope for Andrology Lab
39	Gas Analysis Apparatus Halden's Student Type
40	Gas Analyzer Automatic for CO2, O2 and N2
41	High end Operating Microscope
42	Plasma Coblation System
43	Stroboscope
44	ENT Skull Base Navigation System
45	Automated Microbial Identification and Sensitivity System
46	NAT Analyzer
47	Cryostat
48	Vitek2-Automated Microbiology Susceptibility Testing Analyser
49	FFR Machine (Fractional Flow Reserve)
50	VIDAS
51	Kingfisher Flex
52	ACL Elite
53	Cytoprep Centrifuge with Vortex Mixer
54	Antigen Retrieval System
55	Trans Oesophageal Echo Cardiograph
56	IVUS -Volcano
57	STERRAD -100 NX All Clear
58	Minimally Invasive Cardiac Instruments
59	Impella
60	Endourology set
61	Cystoscope Karl Storz
62	Video Endoscopy Systems
63	Floppy wire with extra support 0 Coronary Angioplasty
64	Fully Automated Non-Contact Tonometer
65	Optical Biometer
66	Phaco Machine with Posterior and Anterior Vitrectomy
67	Portable Ultrasound Machine for Anaesthesia and Vascular Access
68	Activated Clotting Time Machine
69	Thromboelastogram (TEG)/ Thromboelastometer/ ROTEM
70	Bone Anchored Hearing Aid (BAHA) Sound Processor with Soft Band.

## 2463350/2021/PROCUREMENT-I

71	CI Speech Processor for Cochlear Implant
72	Bi-Ventricular Pacemaker with Quadripolar LV Lead
73	DDDR with Matching Electrodes Pacemaker
74	MRI Conditional Automatic Implantable Cardioverter Defibrillator (AICD)
75	MRI Conditional Cardiac Resynchronisation Therapy - Pacing (CRT- P)
76	Single Chamber (SSI) MRI Compatible Pacemaker
77	Single Chamber Temporary Pacemaker
78	Non-complain /semi complain /CTO coronary balloon.
79	Vacuum Heart Stabilizer System for off Pump CABG
80	Expandable Corpectomy device
81	Biomimetic Synthetic Absorbable Dural substitute of sizes
82	AO TRS Modular Drive for Drill/Reamer
83	AO TRS Modular Sagittal saw system
84	Battery Oscillator
85	Arthroscopy Systems
86	Navigation System for Neurosurgery & Orthopaedic Surgery
87	Time Lapse Embryo Imaging System
88	Portable Mobile Endoscopy Unit
89	Cryoprobe
90	Isothermal Calorimeter (ITC)
91	Electrical Impedance Tomography
92	FNIRS (Functional Near Infra-Red Spectroscopy) System
93	Automated Hand-Held Analyzer
94	Automated High Throughput Liquid Based Cytology (LBC) System
95	Automated IHC (Immuno Histochemistry Stainer)
96	Automated Slide Stainer for Histopathology
97	3T Digital PET/MR
98	Dual Particle Cyclotron on buyback basis
99	Sweat Collection and Chloride Estimation
100	Automated Bronchoscope Cleaning Equipment
101	Electronics and console for the existing 700 MHz NMR Spectrometer
102	Video bronchoscope with mobility of tip in four directions
103	Freeze Fracture System
104	Cryo Plunge Freezing Unit
105	Biological High- Resolution Atomic Force Microscopy
106	Carbon Coater (Evaporator) for grids
107	Hemostasis Analyzer System
108	Auricular Reconstruction Set
109	Thin Layer Chromatography Liner Analyser for lipid analysis
110	Digital Slide Scanner System
111	Full Endoscopic lumbar IT & ED set

## 2463350/2021/PROCUREMENT-I

112	Rapid Blood/Fluid Flow warmer
113	Fully Automated Computerized Archival System for Histopathology & Cytology Slides
114	Vacuum Assist Drainage Controller Device
115	VAP Care System
116	Cryoablation Unit
117	3D Printer Hardware with SLA (LFS) TM Technology and Machine interface software
118	Transcutaneous Oxygen Monitor
119	Non-Invasive Jugular Oximetry Monitor
120	Dedicated Solid-state cardiac SPECT Camera
121	Hemodynamic Recorded for Cardio Vascular Lab
122	Gel Documentation System
123	Automatic Colony Counter
124	Droplet Digital Polymerase Chain Reaction System (PCR)
125	Multi-block PCR Machine
126	Integrated Automated Charting System upgradable for ICU Monitoring System
127	Viscoelastic Global coagulation Testing Device
128	Robotic Surgery System with accessories