

PROJECTIONS OF PURCHASE FOR NEXT 3-5 YEARS : AIIMS NAGPUR			
Sr. No.	Name of the Items	Anticipated Requirement (Qty) for Next 3 Year (1-3 Years)	Anticipated Requirement (Qty) for Next 5 Year (4-5 Years)
1. Psychiatry			
1	Bio feedback machine	1	-
2	tDCS Machine	1	-
3	rTMS machine	-	1
4	Ultra Brief work Station	-	1
5	Aneasthesia work station	-	1
6	Multiparameter monitors	2	-
2.Forensic Medicine & Toxicology (FMT)			
1	Downdraft Ventilated Autopsy Table with Integral Sink	-	1
3. Dermatology			
1	Q Switched Nd:YAG Laser	1	-
2	Fractional CO2 Laser	1	-
3	Spectacle Mounted Magnification Operating Loupes 2.8x with LED Head Light	1	-
4	Dermatology Procedure Chair	1	-
5	308nm Excimer Laser	1	-
6	Microneedling Radio Frequency (MNRF)	1	-
4. Cardiology			
1	IABP Machine	1	-
2	IVUS Machine	1	-
3	OCT Machine	1	-
5. Radiodiagnosis			
1	Picture archiving communication system (PACS)	1	-
2	Digital Radiography	1	1
6. Neurosurgery			
1	Cranial Full Endoscopy System with HD Camera System and Accessories	1	-
2	Spinal Full Endoscopy System with HD Camera System and Accessories	1	-
3	Cranial Stereotactic System with DBS and Instruments	1	-
4	Intraoperative Neuronavigation	1	-
5	Frameless Navigated Biopsy System and Instruments	1	-
6	Electrophysiology- Equipment for - Electrophysiology Lab- Language Mapping Intra - Operative Electrocorcography (256 channel) with built in Cortical Stimulation, handle electric stimulation and evoked potential machine	1	-
7	Intraop Facial Nerve Monitoring System	1	-
7. Peadiatric			
1	Portable EEG Machine	2	-
2	Contineous Renal Replacement Machine (CRRT)	1	-
3	Intracranial Pressure (ICP) Monitors	-	2
4	Noninvaive Hemodynamic Monitors	2	4
5	Near-infrared spectroscopy (NIRS)	1	2
6	Blood gas analyser	-	1
7	ECMO Machine	-	1
8	Intubating Video Laryngoscope	2	-
9	Peadiatric Video bronchoscope (4.1 mm)	1	-

8. Orthopaedics			
1	Orthopaedic operation table with traction attachment	-	1
2	Battery operated power drill and saw	1	1
3	Orthopaedic beds with Balkan frame	2	2
4	High speed drill with accessories for spine surgery	-	1
5	Intra-operative neuro-monitoring 32 channel with SSEP & MEP monitoring	-	1
6	Tubular retractor system with light source for spine surgery	-	1
7	Trans-foraminal endoscopic spine surgery system with instruments	-	1
8	High end double cuff tourniquet	1	-
9	Instrument set for revision THR	-	1
10	'O' arm system	-	1
9. Nephrology			
1	Defibrillator	2	-
2	ABG – Machine	1	-
3	Mechanical ventilator	10	-
4	Multiparameter monitor	30	-
5	Infusion pump	30	-
6	Syringe pump	30	-
7	ECG machine	4	-
8	Portable ultrasound machine	2	-
9	Dialyzer reprocessing system	2	-
10	BP monitor - oscillometric	10	-
11	Ambulatory BP monitor	2	-
12	C-ARM (Fully motorized)	1	-
13	Peritoneal dialysis cyler	1	-
14	Bicarbonate mixer	1	-
15	HLA Luminex platform	1	-
16	Flow cytometer	1	-
17	Inverted Microscope	1	-
18	Microscope	1	-
19	OT Table	1	-
20	OT Light	1	-
21	CRRT machine	1	-
22	RO plant (1000LPH)	1	-
10. Neonatology (NICU)			
1	Nitric oxide Delivery system	1	-
2	Combined incubator and radiant warmer	4	-
3	Conventional ventilator with HFNC	4	-
4	Video Laryngoscope	1	-
5	Fiber optic pad LED phototherapy (Bilirubin Blanket)	4	-
6	Near-infrared spectroscopy (NIRS)	1	-
7	Syringe pump	40	16
8	Infusion Pump	10	-
9	Crash Cart	4	-
10	CPAP/HFNC	4	-
11. ENT			
1	CO2 Lessor	1	-
2	Video-stroboscope	1	-

3	Surgical Loupe	2	-
4	Video-nystagmography	1	-
5	Speech Software	1	-
6	ENT OPD Unit	1	-
7	Sialo-endoscopy system	1	-
8	Temporal bone dissection unit	1	-
9	MR8 Drill system with IPC Console and MS hand piece Xomed	1	-
10	Nanow bane imaging	1	-
12. PMR			
1	C arm	1	-
2	Electro-Cautery machine	1	-
3	Foot pressure analysis with Insole forming machine	1	-
4	Hot air Oven	1	-
5	Socket Router	1	-
6	Shock Wave therapy	2	-
7	Combination Therapy	2	-
8	LASER therapy	2	-
9	Gait and Balance Training facility	-	1
10	Robotic Gait training	-	1
11	Robotic Hand training	-	1
12	Body weight support system	-	1
13	EMG/NCS	-	1
14	ADL & I-ADL facility	-	1
13. Surgery			
1	Bariatric laparoscopy surgery set	1	-
2	Upper and Lower gastro-intestinal tract endoscopy systems	1	-
3	Colonoscope	1	-
4	Ultrasound machine Portable	1	-
5	Choledochoduodenoscope	1	-
6	Robotic surgery systems	1	-
7	Virtual endotrainer for laparoscopy	1	-
8	Diode Laser	1	-
9	Hand held ICG Florescence imaging ystem (Open surgery)	1	-
14. Anaesthesiology			
1	Anaesthesia Workstations	8	15
2	Multipara monitors	10	20
3	Pulse oximeter monitor	5	10
4	Ultrasound Machine	1	2
5	Peripheral Nerve Stimulator	2	2
6	Forced Air Warmer	15	20
7	Defibrillator	10	15
8	Fluid warmer	10	15
9	Rapid Transfuser	4	6
10	Intubating Bronchoscope	3	3
11	High end Video Laryngoscope	3	5
12	Thromboelastograph	1	1
13	Near Infra Red Spectroscopy monitor	2	2
14	Crash Cart	15	20
15	Fluid Warming Cabinet	3	5
16	Transport Trolleys	10	15
17	Overhead Warmers	3	4

18	High Frequency Oscillatory Ventilator	1	1
15. Dentistry			
1	Surgical Instruments for Oral & Maxillofacial Surgery	2	2
2	Cross Drive Fixation System for Maxillofacial Surgery	2	1
3	High End Microscopes (for Dental Purpose)	1	1
4	Dental Chairs with Compressor accessories	2	2
5	Dental X-Ray Machine.	2	2
6	Radiovisiography (RVG) Digital Dental X Ray System.	2	2
7	Centrifuge for PRP/PRF	1	1
8	Dental Simulator	-	1
9	CBCT Machine	-	1
10	Dental Exhibit Gallery	-	1
11	Digital Dental Lab	-	1
12	T Scan	-	1
13	Hard Tissue Laser	-	1
14	Interactive LCD Panel (Smart board)	1	-
15	Class B Autoclave Machine	2	-
16	Intraoral Scanner	-	1
17	CAD Cam Unit	-	1
18	Endo Work Station	2	2
19	Diode Laser	1	-
20	Intraoral Camera	2	2
21	Refrigerator 350 ltr	1	
16. Transfusion Medicine			
1	Blood Bank Refrigerator	2	-
2	Automated Blood Grouping Platform	1	-
3	Thromboelastogram	1	-
4	Microarray testing Machine	-	1
5	Fully automated centrifuge and component separator	-	1
6	Bar code printer and scanner integrated with blood bank management software	1	-
7	Cool Top Tables	2	-
8	Temperature data logger	4	-
9	MIRASOL pathogen inactivation system	-	1
10	Platelet Crossmatch Platform	-	1
11	Individual Donor Nucleic Acid Testing Platform	-	1
17. Peadiatric Surgery			
1	Holmium LASER	1	-
2	Advanced Integrated Video Urodynamic work station	-	1
3	3D laparoscopy system	1	-
4	Argon Plasma Coagulator	2	-
5	Video laryngoscope	1	-
6	Syringe pump	10	-
7	Infusion Pump	6	-
8	Crash Cart	3	-
9	Radiant warmer (open care)	4	2
10	Peadiatric Esophagoscopy Set	1	-
11	Neonatal Multipara Monitor	6	-
12	Pulse Oxymeter	5	5
13	C ARM	1	-
14	Esophageal dilator set	1	-
15	Open surgical instruments set	1	-

16	Fetal Intervention Surgical set	-	1
17	Flexible Pediatric and Neonatal Bronchoscopy set	1	-
18	Flexible Upper GI Endoscopy	1	-
18. Obstetrics and Gynecology			
1	Advanced Ultrasonography Machine (1)	-	1
2	Automated Gynecological Examination couches	3	-
3	Microsurgical Instruments set along with surgical loupe	-	2
4	Vascular clamps and applicator instruments (open surgery)	-	2
5	Thermo-coagulator	-	1
6	Cryo-cautery	-	1
7	Teaching aids: Female pelvis birthing model and baby with placenta	-	1
8	Printer, Laser colour printer	-	1
9	Overhead projector	-	1
19. Burn and Plastic Surgery			
1	Battery operated Dermatome	1	-
2	Powered Liposuction Set	1	-
3	Operating Microscope (Plastic Burn & Plastic Surgery) 1 No. Rs. 1,00,00,000 Rs. 1,00,00,000 I	1	-
4	Micro Vascular Instruments	1	-
5	Skin Graft Mesher Burn	1	-
6	Rhinoplasty Instrument Set	1	-
20. Nuclear Medicine			
1	Thin Layer Chromatography Scanner	1	-
2	Well Counter	1	-
3	Laminar Air Flow	1	-
4	Gamma Ray Spectrometer	1	-
5	Mobile Shields (Lead) for Therapy Ward	1	-
6	Generator	1	-
7	Centrifuge Machine	1	-
8	Intra Operative Gamma Probe	1	-
9	Tyroid Probe	1	-
21. Surgical Gastroenterology			
1	CUSA	1	-
2	Advance laparoscopic set with 3D 4K ICG visualization	1	-
3	Choledochoscope	1	-
4	Laparoscopic retractor system	1	-
5	HIPEC system	1	-
6	USG machine	1	-
7	DVT Pumps (4 nos.)	1	-
22 Ophthalmology			
1	Topographer	1	-
2	Corneal collagen cross linking machine	1	-
3	Anterior Segment OCT	1	-
4	Clinical Specular Microscope	1	-
23. Biochemistry			
1	Gel documentation system	1	-
2	Mini Rotary Shakers	1	-
3	Spinwin Centrifuge for microtubes	2	-
4	Cell Imaging System	1	-

5	LCMS (jointly with Dept of Pharmacology)	1	-
24. BMW			
1	Microwave Based Disinfection System (60 Litres Capacity)	1	1
2	Fully Automatic Autoclave Unit (100 Litres Capacity)	1	1
25. Pharmacology			
1	Analgesimeter tail flick (digital) apparatus	1	-
2	Analgesimeter Eddy's hot plate	1	-
3	Electroconvulsimeter	1	-
4	Rota rod	1	-
5	Photoactometer	1	-
6	Bicycle ergometer	1	-
7	LC-MS/MS mass spectrometer	-	1
26. Physiology			
1	Intraoperative Neurophysiological Monitoring (IONM) Unit	-	1
2	Automated Semen Analyser	1	-
3	Polysomnography (PSG) Machine	1	-
4	Applanation Tonometer Device Unit for non-Invasive measuring of central blood pressure and arterial stiffness	1	-
5	Light Microscope	5	-
6	Cardiopulmonary Exercise Testing (CPEX) Unit	-	1
7	Lower Body Negative Pressure (LBPN) Recording Unit with Tilting Table	-	1
8	Vascular Function Testing Device Unit	-	1
9	Transcranial Magnetic Stimulation (TMS) Device	-	1
10	Eye Tracking Device	1	-
27. Microbiology			
1	Anaerobic work station	1	1
2	-20C deep freezer	-	1
3	Pharmaceutical Refrigerator	1	1
4	Domestic Refrigerator	1	1
5	BacT/alert module	1	-
6	Automated Media preparation system	1	-
7	Liquid Waste Management	1	-
8	5 headed Microscope	-	1
9	Automated ELISA reader	1	-
10	Nucleic Acid Concentrator	1	-
28. Pathology			
For PCR Lab for sickle cell disease (DPR Item)			
1	Ultra Low Temp. Deep Freezer	1	-
2	Class II Type A2 Biological Safety Cabinet	1	-
3	High Speed Autoclavable	1	-
4	Gel Documentation System	1	-
5	Thermal Cycler	1	-
6	Refrigerated Table Top Centrifuge	1	-
7	Horizontal Gel Electrophoresis System	1	-
8	Vertical Electrophoresis System	1	-
9	Real Time PCR (DPR)	1	-
10	Sequencer (Sanger+NGS)	1	-
11	Urine Analyzer (DPR)	1	-

12	ESR Analyzer (DPR)	1	-
13	Pentahead Microscope	1	-
14	Decahead Microscope with camera	1	-
15	Automated Clinical Electrophoresis (DPR)	1	-
16	Platelet Aggregometer	1	-
29. Anatomy			
1	Gross Anatomy Museum development with Radiology museum	1	-
2	Cytogenetic Lab : Karyotyping software and metaphase finder	1	-
3	Plastination Unit for solid organs	1	-
4	Human Embryology Models (Gen. & Systemic)	1	-
5	Cadaveric Skill Lab	-	-
6	Virtual Anatomy table for undergraduate students	1	1
7	inverted tissue culture microscope	1	-
8	Cell Culture lab	1	-
9	Anthropometry Set	1	-
10	A-V aids in demo rooms	2	-
30. Urology and Renal Transplant			
1	Extra-Corporeal Shock Wave Lithotripsy Machine ESWL Machine	1	-
2	Sterrad 100 NX All Clear:- Low Temperature H2O2 Gas Plasma	1	-
3	Thulium fibre Laser 35w or more	1	-
4	Open surgical instruments set	1	-
5	Patient Warming System	2	-
6	Intra Operative ultrasoundography	1	-
7	OT Table for Transplant OT	1	-
8	Capacitive Coupling Plate	2	-
9	Human Organ transporter box	2	-
10	Organ retrieval instrument set for cadaveric donation	1	-