

EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: **Oral Medicine and Radiology**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
	(Space allocation for each dental chair 100 Sq.Ft. in all the Departments)				
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventry Suction, X-Ray viewer, 3 way syringe, instrument tray, Dental Operator's Stool with height adjustment		12	Yes	Adequate
Panoramic X-Ray with Cephalometric	Preferably digital		1	Yes	Adequate
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer		3	Yes	Adequate
Pulp testers	Digital			Yes	Adequate
Automatic periapical X-ray Developer			1	Yes	Adequate
Automatic Panoramic with Cephalometric X-ray Developer			1	Yes	Adequate
X-ray viewer	For Panoramic and Cephalometric films		2	Yes	Adequate
Radiovisiography	Digital Intra X-ray system with one Sensor and Software		1	Yes	Adequate
General X-ray Unit			1	Yes	Adequate
Ortho Pantmograph	Preferably digital		1	Yes	Adequate
Automatic Developers / Dark Room			2	Yes	Adequate
Lead aprons			2	Yes	Adequate
Lead Gloves			1	Yes	Adequate
X-ray Hangers			6	Yes	Adequate
X-ray Viewers			2	Yes	Adequate
Diagnostic Kits	Mouth mirror, dental probe, college tweezers		40	Yes	Adequate
Lead Screen			1	Yes	Adequate
Biopsy Kit			1	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	Adequate
Computers	Minimum Pentium – IV		1	Yes	Adequate
Intra Oral Camera	With High resolution		1	Yes	Adequate
Needle Burner with Syringe Cutter			2	Yes	Adequate

Department: **Oral Pathology and Oral Microbiology**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction		2	Yes	Adequate
Microscopes			40	Yes	Adequate
Microtome			1	Yes	Adequate
Wax bath			1	Yes	Adequate
Water bath			1	Yes	Adequate
Knife sharpener			1	Yes	Adequate
Hot plate			1	Yes	Adequate
Spencer Knife			1	Yes	Adequate

Department: **Public Health Dentistry**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction, micromotor, airtor, light cure		16	Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	Yes	Adequate
Needle burner with syringe cutter			4	Yes	Adequate
MOBILE CLINIC				Yes	Adequate
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people			Yes	Adequate
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airtor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool			Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		1	Yes	Adequate
Intraoral x-ray	Portable, 70 KV, 8 mA		1	Yes	Adequate
Glass bead sterilisers			1	Yes	Adequate
Compressor	1.25 HP		1	Yes	Adequate
Metal Cabinet	With wash basin		1	Yes	Adequate
Portable dental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP		2	Yes	Adequate
Stabiliser	4 KV		1	Yes	Adequate
Generator	4 KV		1	Yes	Adequate
Water tank	400 ltrs		1	Yes	Adequate
Oxygen cylinder			1	Yes	Adequate
Public address system			1	Yes	Adequate

TV and video cassette player		1	Yes	Adequate
Demonstration models		1	Yes	Adequate

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power motorized evacuation system, Air rotor with miniature, Airrotor HPS, Micro motor with miniature contrangle Hand piece, 3 way syringe, ultrasonic sealer with 3 tips, Light cure unit LED based heat free, X-ray viewer, instrument tray Dental Operator's stool with height adjustment (Pedo chair preferred)		20	Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters		2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer		2	Yes	Adequate
Needle Burner with syringe cutter			3	Yes	Adequate
Amalgamator			1	Yes	Adequate
Pulp Tester Digital			1	Yes	Adequate
Rubber dam kit for pedo			5	Yes	Adequate
Apex locator			1	Yes	Adequate
Endo motor	With torque control HPs		1	Yes	Adequate
Injectable gutta percha with condensation			1	Yes	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and software		1	Yes	Adequate
Intra Oral Camera	With high resolution		1	Yes	Adequate
Scale instruments			10	Yes	Adequate
Restorative instruments			10	Yes	Adequate
Extraction forceps			10	Yes	Adequate
Intra-oral X-ray			1	Yes	Adequate
Automatic Developer			1	Yes	Adequate
Computer	Minimum Pentium – IV		1	Yes	Adequate
PEDO LAB					
Plaster dispenser	One each for plaster and stone plaster		2	Yes	Adequate
Model Trimmer	With diamond disc		1	Yes	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc		1	Yes	Adequate
Welder with soldering attachments			1	Yes	Adequate
Vibrator			2	Yes	Adequate
Lab micro motor	Heavy duty with Hps		3	Yes	Adequate
Dental Lathe			1	Yes	Adequate
Model Trimmer			1	Yes	Adequate

Steam cleaner			1	Yes	Adequate
Pressure moulding machine			1	Yes	Adequate
Carborandum disc			1	Yes	Adequate
Diamond disc			1	Yes	Adequate

Department: **Orthodontics**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, micromotor control light cure 3 way syringe, X-ray viewer, instrument tray Dental Operators stool with height adjustment		18	Yes	Adequate
Unit mount scaler			5	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters		2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer		2	Yes	Adequate
ORTHO LAB				Yes	Adequate
Plaster dispenser	One each for plaster and stone plaster		2	Yes	Adequate
Vibrator			2	Yes	Adequate
Model Trimmer			2	Yes	Adequate
Micromotor	Heavy duey		4	Yes	Adequate
Lathe			2	Yes	Adequate
X-ray viewers			2	Yes	Adequate
OPG with cephalostat	If available in radiology its is adequate		1	Yes	Adequate
Welders			4	Yes	Adequate
Blue Torch			1	Yes	Adequate
Base Formers			4	Yes	Adequate
Typodont			4	Yes	Adequate
Set of pliers			10	Yes	Adequate
Welder with soldering attachments			1	Yes	Adequate
Hydro solder			1	Yes	Adequate
Typhodont articulator	With metal teeth wax rim of Class I, II, III		4	Yes	Adequate
Pressure moulding machine			1	Yes	Adequate

Department: **Periodontology**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment		34	Yes	Adequate
Scaling instrument sets			10	Yes	Adequate
Surgical instrument sets			6	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters		3	Yes	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket		2	Yes	Adequate
Electro surgical cautery			1	Yes	Adequate
Needle burner with syringe cutter			6	Yes	Adequate
LASER	Soft tissue laser		1	Yes	Adequate
Surgical motor with physio dispenser			1	Yes	Adequate

Department: **Conservative Dentistry and Endodontics**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, with shadowless lamp, spittoon, 3 way syringe, Ultrasonic sealer with 3 tips, X-ray viewer, instrument tray Dental Operators stool with height adjustment		34	Yes	Adequate
Rubber dam kits			6	Yes	Adequate
Restorative instruments kits			10	Yes	Adequate
R.C.T. instrument kits			10	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters		3	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	Yes	Adequate
Needle Burner with Syringe Cutter			4	Yes	Adequate
Amalgamator	With auto proportion, auto dispenser		3	Yes	Adequate
Rubber dam kits			6	Yes	Adequate
Pulp Tester Digital			4	Yes	Adequate
Apex locator			2	Yes	Adequate
Glass bead			6	Yes	Adequate

sterilizers					
Plaster dispenser			2	Yes	Adequate
Vibrator			2	Yes	Adequate
Ceramic Unit			1	Yes	Adequate
Casting machine			1	Yes	Adequate
Intra-oral X-ray Unit	Proper radiation safety		1	Yes	Adequate
Automatic Developer			1	Yes	Adequate
Radiovisiography	RVG with Computer		1	Yes	Adequate
Endo motor	With torque control Hps		1	Yes	Adequate
Bleaching Unit			1	Yes	Adequate
Magnification loops			2	Yes	Adequate
Injectable gutta percha			2	Yes	Adequate
PHANTOM LAB UNIT	Phantom Table fitted with Halogen Operating Light Phantom Head body type neck joint for all the movement, TMJ movement, Modular with Air rotor, Micro motor with contra angle Hps, 3 way syringe, jaw with ivorine teeth, preferably soft gingival, dental operator's stool (not to use extracted or cadaver teeth).		60	Yes	Adequate

Chemical Laboratory

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster Dispenser	One each for plaster and stone plaster		2	Yes	Adequate
Model Trimmer	Carborandum disc		1	Yes	Adequate
	Diamond disc		1	Yes	Adequate
Lathe	Heavy Duty		2	Yes	Adequate
Lab Micromotor	With heavy duty handpiece		3	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 5 litres		1	Yes	Adequate
Spindle Grinder			1	Yes	Adequate
Vibrator			2	Yes	Adequate
Burnout furnace			1	Yes	Adequate
Porcelain furnace			1	Yes	Adequate
Sandblasting Machine			1	Yes	Adequate
Lab Airotor			1	Yes	Adequate
Pindex System			1	Yes	Adequate
Circular saw			1	Yes	Adequate
Vacuum mixer			1	Yes	Adequate
Pnematic chisel			1	Yes	Adequate
Casting machine	Motor cast / induction casting preferred		1	Yes	Adequate

Department: **Oral & Maxillofacial Surgery**

A) Exodontia

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventury suction, X-ray viewer, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction, Micromotor / Airotor		30	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ^o C with minimum capacity of 20 liters		2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket		2	Yes	Adequate
Needle Burner with Syringe Cutter			6	Yes	Adequate
Extraction forceps sets	Complete set		20	Yes	Adequate
Dental elevators	Complete set		10	Yes	Adequate
Minor Oral Surgery kits			6	Yes	Adequate
Emergency drugs tray			1	Yes	Adequate
Oxygen cylinder with mask			1	Yes	Adequate
X-ray viewers			2	Yes	Adequate
Computer	Minimum Pentium – IV		1	Yes	Adequate

B) Minor Surgery

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contra-angle Handpiece, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction.		5	Yes	Adequate

Department: **Prosthodontics and Crown & Bridge**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and contrangle Handpiece, 3 way syringe, Ultrasonic sealer with 3 tips, Light cure unit, instrument tray and suction, Dental Operators stool with height adjustment		34	Yes	Adequate
Semi-adjustable articulator	With face bow		2	Yes	Adequate
Extra oral / intra oral tracer			2	Yes	Adequate
Dewaxing unit			2	Yes	Adequate

Curing unit			2	Yes	Adequate
Dental casting machine			1	Yes	Adequate
Wax burnout furnace			1	Yes	Adequate
Pre heating furnace			1	Yes	Adequate
Surveying unit			2	Yes	Adequate
Heavy duty hand piece	Lab micromotors		4	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters		2	Yes	Adequate
Needle Burner with Syringe Cutter			2	Yes	Adequate
Plaster dispenser	One each for plaster and stone plaster		2	Yes	Adequate
Model Trimmer with Carborandum disc			1	Yes	Adequate
Model Trimmer with diamond disc			2	Yes	Adequate
Acryliser			3	Yes	Adequate
Lathe			2	Yes	Adequate
Flask press			4	Yes	Adequate
Deflasking unit			4	Yes	Adequate
Dewaxing unit			3	Yes	Adequate
Hydraulic Press			3	Yes	Adequate
Mechanical Press			2	Yes	Adequate
Vacuum mixing machine			1	Yes	Adequate
Lab Micro motor	With heavy duty handpiece		4	Yes	Adequate
Curing pressure pot			1	Yes	Adequate
Porcelain furnace			2	Yes	Adequate
Vibrator			2	Yes	Adequate
Sandblasting unit			2	Yes	Adequate
Ultrasonic cleaner			2	Yes	Adequate
Model Trimmer			4	Yes	Adequate
Hot water sterilizer			2	Yes	Adequate
Geyser	Compound bath		2	Yes	Adequate
H.P. grinder with suction			3	Yes	Adequate
Heavy duty lathe			2	Yes	Adequate
Phantom heads			50	Yes	Adequate
Pre-clinical working tables	Gas connection & Bunsen burner		100	Yes	Adequate

Ceramic and Cast Partial Laboratory

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		50 Intake	100 Intake		
Plaster dispenser	One each for plaster and stone plaster		2	Yes	Adequate
Duplicator			1	Yes	Adequate
Pindex System			1	Yes	Adequate
Circular saw			1	Yes	Adequate
Burnout furnace			1	Yes	Adequate
Sandblasting Machine	With two containers		1	Yes	Adequate
Electro polisher			1	Yes	Adequate
Model Trimmer with Carborandum disc			1	Yes	Adequate
Model Trimmer with diamond disc			1	Yes	Adequate
Induction casting machine			1	Yes	Adequate
Programmable porcelain furnace with vacuum pump with instrument kit and material kit			1	Yes	Adequate
Spot welder with soldering attachment of cable			1	Yes	Adequate
Vacuum mixing machine			1	Yes	Adequate
Steam Cleaner			1	Yes	Adequate
Spindle Grinder 24000 rpm with vacuum suction			1	Yes	Adequate
Wax heater			1	Yes	Adequate
Wax carver			1	Yes	Adequate
Curing pressure pot			1	Yes	Adequate
Milling machine			1	Yes	Adequate
Heavy duty lathe with suction			1	Yes	Adequate
Preheating furnace			1	Yes	Adequate
Palatal trimmer			1	Yes	Adequate
Ultrasonic cleaner	5 liters capacity		1	Yes	Adequate
Composite curing unit			1	Yes	Adequate
Micro surveyor			1	Yes	Adequate
Pre-clinical Prosthetic Laboratory	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micro motor with attached hand piece.		60 20	Yes	Adequate
Plaster room for pre-clinical work				Yes	Adequate
Plaster dispenser	One each for plaster and stone		2	Yes	Adequate
Vibrator			2	Yes	Adequate
Lathe			2	Yes	Adequate
Model Trimmer			1	Yes	Adequate
Carborandum Disc			1	Yes	Adequate
Diamond disc			1	Yes	Adequate

EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department: **Prosthodontics and Crown & Bridge**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		1 Unit	2 Units		
Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment with handpieces	One Chair and unit per PG student and two chairs with unit for the faculty		Yes	Adequate
		1 Unit	2 Units		
Articulators – semi adjustable/ adjustable with face bow		6	12	Yes	Adequate
Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	Yes	Adequate
Ultrasonic scaler		2	2	Yes	Adequate
Light cures		2	2	Yes	Adequate
Hot air oven		1	1	Yes	Adequate
Autoclave		2	2	Yes	Adequate
Surveyor		2	2	Yes	Adequate
Refrigerator		1	1	Yes	Adequate
X-ray viewer		1	2	Yes	Adequate
Pneumatic, Crown bridge remover		2	3	Yes	Adequate
Needle destroyer		1	2	Yes	Adequate
Intra oral camera		1	1	Yes	Adequate
Digital SLR camera		1	1	Yes	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes	Adequate
LCD projector		1	1	Yes	Adequate
Clinical Lab for Prosthetics					Yes
Plaster dispenser		2	2	Yes	Adequate
Model trimmer with carborandum Disc		1	2	Yes	Adequate
Model trimmer with diamond disc		1	2	Yes	Adequate
High speed lathe		2	3	Yes	Adequate
Vibrator		2	4	Yes	Adequate
Acrylizer		1	2	Yes	Adequate
Dewaxing unit		1	2	Yes	Adequate
Hydraulic press		1	1	Yes	Adequate
Mechanical press		1	1	Yes	Adequate
Vacuum mixing machine		1	1	Yes	Adequate
Micro motor lab type		2	3	Yes	Adequate
Curing pressure pot		1	1	Yes	Adequate
Pressure molding machine		1	1	Yes	Adequate
Chrome – Cobalt Lab Equipment					
Duplicator		1	1	Yes	Adequate
Pindex system		1	1	Yes	Adequate
Burn-out furnace		1	1	Yes	Adequate
Welder		1	1	Yes	Adequate
Sandblaster	Micro and macro	1	1	Yes	Adequate
Electro – polisher		1	1	Yes	Adequate
Model trimmer with carborandum disc		1	1	Yes	Adequate

Model trimmer with diamond disc		1	1	Yes	Adequate
Model trimmer with double disc (one Carborandum and one diamond disc)		1	1	Yes	Adequate
Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	Yes	Adequate
Dewaxing furnace		1	1	Yes	Adequate
Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1	Yes	Adequate
Spot welder with soldering, attachment of cable		1	1	Yes	Adequate
Steam cleaner		1	1	Yes	Adequate
Vacuum mixing machine		1	1	Yes	Adequate
Spindle grinder 24,000 RPM with vacuum suction		1	1	Yes	Adequate
Wax heater		2	3	Yes	Adequate
Wax carvers (Full PKT Set)		2	3	Yes	Adequate
Grinding machine		1	1	Yes	Adequate
Stereo microscope		1	1	Yes	Adequate
Magnifying work lamp		1	1	Yes	Adequate
Heavy duty lathe with suction		1	1	Yes	Adequate
Preheating furnace		1	1	Yes	Adequate
Dry model trimmer		1	1	Yes	Adequate
Die cutting machine		1	2	Yes	Adequate
Ultrasonic cleaner		1	1	Yes	Adequate
Composite curing unit		1	1	Yes	Adequate
Ceramic Lab Equipment					
Fully programmable porcelain furnace with vacuum pump		1	1	Yes	Adequate
Ceramic kit (instruments)		3	3	Yes	Adequate
Ceramic materials (kit)		1	1	Yes	Adequate
Ceramic polishing kit		2	2	Yes	Adequate
Implant Equipment					
Electrical dental chair and unit		1	1	Yes	Adequate
Physio dispenser		1	1	Yes	Adequate
Implant kit	Minimum 2 systems	2	2	Yes	Adequate
Implants		10	10	Yes	Adequate
Prosthetic components		10	10	Yes	Adequate
Unit mount light cure		1	2	Yes	Adequate
X-ray viewer		1	2	Yes	Adequate
Needle destroyer		1	2	Yes	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes	Adequate
Autoclave programmable for all recommended cycles		1	2	Yes	Adequate
X-ray machine with RVG		1	1	Yes	Adequate
Refrigerator		1	1	Yes	Adequate
Surgical kit/prosthetic kit		2	2	Yes	Adequate
Educating models		1	1	Yes	Adequate
Implant removing instruments		1	1	Yes	Adequate

Department: Periodontology

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece,airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece	One chair and unit per post-graduate student and Two chairs with unit for the faculty		Yes	Adequate
		1 Unit	2 Units		
Auto clave (fully automatic) front loading		1	2	Yes	Adequate
Steel bin		4	6	Yes	Adequate
Airoter hand pieces		2	2	Yes	Adequate
UV chamber		1	1	Yes	Adequate
Formalin chamber		1	1	Yes	Adequate
W.H.O probe		2	2	Yes	Adequate
Nabers probe		2	2	Yes	Adequate
Williams probe		2	2	Yes	Adequate
UNC-15 probe		4	4	Yes	Adequate
Gold Man fox probe		1	1	Yes	Adequate
Pressure sensitive probe		1	1	Yes	Adequate
Marquis color coded probe		1	1	Yes	Adequate
Supra gingival scalers	set	2	2	Yes	Adequate
Sub gingival scaler	set	2	2	Yes	Adequate
Arkansas sharpening stone		1	1	Yes	Adequate
Surgical Instruments					Yes
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	Yes	Adequate
Surgery trolleys		6	6	Yes	Adequate
X ray viewer		1	2	Yes	Adequate
Surgical cassette with sterilisation pouches		4	6	Yes	Adequate
Electro surgery unit		1	1	Yes	Adequate
Special Surgical Instruments					
Kirkland's knife	set	1	1	Yes	Adequate
Orban's knife	set	1	1	Yes	Adequate
Paquette blade handle		1	1	Yes	Adequate
Krane kaplan pocket marker	set	1	1	Yes	Adequate
Mc Calls universal curettes	set	1	1	Yes	Adequate
Gracey's curettes (No.1-18)	set	2	2	Yes	Adequate
Mini five curettes	set	1	1	Yes	Adequate
Cumine scalar		1	1	Yes	Adequate
Mallet		1	1	Yes	Adequate
Chisel		1	1	Yes	Adequate
Oschenbein chisel	straight, curved	1	1	Yes	Adequate
Schluger bone file		1	1	Yes	Adequate
Bone fixation screw kit		1	1	Yes	Adequate
Bone scrapper		1	1	Yes	Adequate

Bone trephines for harvesting autografts	1 set	1	1	Yes	Adequate
Bone regenerative materials	Bone graft and GTR membranes	5	5	Yes	Adequate
Local drug delivery systems	At least two different agents	1 each	1	Yes	Adequate
Root conditioning agent	At least two different agents	2	2	Yes	Adequate
Micro needle holder		1	1	Yes	Adequate
Micro scissors		1	1	Yes	Adequate
Magnifying loop (2.5 – 3.5)		1	2	Yes	Adequate
Operating microscope	optional	1	1	Yes	Adequate
3rd generation digital probe	optional	1	1	Yes	Adequate
Bone expander and bone crester	optional	1	1	Yes	Adequate
Distraction osteogenesis kit	optional	1	1	Yes	Adequate
Bone mill	optional	1	1	Yes	Adequate
Bone graft / membrane placement spoon		1	1	Yes	Adequate
Bone condenser		1	1	Yes	Adequate
Peizo-surgery unit	optional	1	1	Yes	Adequate
Centrifuge for PRP/PRF preparation	optional	1	1	Yes	Adequate
Soft tissue laser (8 watt)		1	1	Yes	Adequate
Osteotome	set optional	1	1	Yes	Adequate
Miscellaneous Instruments					
Composite gun with material kit		1	1	Yes	Adequate
Splinting kit with material		2	3	Yes	Adequate
Composite finishing kit		1	1	Yes	Adequate
Glass Ionomer cement		1	1	Yes	Adequate
Digital camera		1	1	Yes	Adequate
Intra Oral camera		1	1	Yes	Adequate
Ultrasonic cleaner		1	1	Yes	Adequate
Emergency kit		1	1	Yes	Adequate
Refrigerator		1	1	Yes	Adequate
X-ray viewer		2	2	Yes	Adequate
LCD projector		1	1	Yes	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes	Adequate
Implant Equipment				Yes	Adequate
Electrical dental chair and unit		1	1	Yes	Adequate
Physio dispenser		1	1	Yes	Adequate
Implant kit	At least two different systems	2	2	Yes	Adequate
Implants		10	10	Yes	Adequate
Implant maintenance kit (plastic instruments)		1 set	1 set	Yes	Adequate
Implant guide		1	1	Yes	Adequate
X-ray viewer		1	2	Yes	Adequate
Needle destroyer		1	2	Yes	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes	Adequate
Autoclave programmable for all recommended cycles		1	1	Yes	Adequate
RVG with x-ray machine		1	1	Yes	Adequate
Refrigerator		1	1	Yes	Adequate
Surgical kit		2	2	Yes	Adequate
Sinus lift kit		1	1	Yes	Adequate
Educating models		1	1	Yes	Adequate
Implant removing kit		1	1	Yes	Adequate

Department: **Oral & Maxillofacial Surgery**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and high otorized suction, with micromotor and micro motor attachment	One chair and unit per post-graduate student and Two chairs with unit for the faculty		NA	NA
		1 Unit	2 Units		
Autoclave	Front loading	2	3	NA	NA
Fumigators		1	1	NA	NA
Oscillating saw	With all hand pieces	1	1	NA	NA
Surgical Instruments					
General surgery kit including tracheotomy kit		2	2	NA	NA
Minor oral surgery kit		5	10	NA	NA
Osteotomy kit		1	1	NA	NA
Left surgery kit		1	1	NA	NA
Bone grafting kit		1	1	NA	NA
Emergency kit		1	1	NA	NA
Trauma set including bone		2	2	NA	NA
Plating kit		1	1	NA	NA
Implantology kit	Minimum 2	2	2	NA	NA
With implants	systems	10	10	NA	NA
Distraction osteogenesis kit		1	1	NA	NA
Peizo surgical unit		1	1	NA	NA
Magnifying loops		1	1	NA	NA
Operating microscope and Microsurgery kit	desirable	1	1	NA	NA
Dermatomes		1	1	NA	NA
Needle destroyer		2	3	NA	NA
Ultrasonic Cleaner capacity 3.5 lts		1	1	NA	NA
Formalin chamber		1	1	NA	NA
Pulse oxymeter		1	1	NA	NA
Ventilator		1	1	NA	NA
Major operation theatre with all facilities		1	1	NA	NA
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	NA	NA
Fibrooptic light		1	1	NA	NA
Inpatient beds		20	20	NA	NA
Fiber optic laryngoscope		1	1	NA	NA
Computer with internet connection with attached printer and scanner		1	1	NA	NA
LCD projector		1	1	NA	NA
Refrigerator		1	1	NA	NA

Department: **Conservative Dentistry and Endodontics**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces	One chair & unit per post-graduate student and two chairs with unit for the faculty		Yes	Adequate
		1 Unit	2 Units		
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	Yes	Adequate
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	Yes	Adequate
Rubber dam kit		1 per chair	1 per chair	Yes	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	Yes	Adequate
Autoclaves for hand piece sterilization		1	1	Yes	Adequate
Apex locators one for every two chairs		2	4	Yes	Adequate
Pulp tester		2	4	Yes	Adequate
Equipments for injectable thermoplasticized gutta percha		1	2	Yes	Adequate
Operating microscopes 3 step or 5 step magnification		1	1	Yes	Adequate
Surgical endo kits (Microsurgery)		2	2	Yes	Adequate
Set of hand instruments (specifications required)		1	2	Yes	Adequate
Sterilizer trays for autoclave		4	4	Yes	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes	Adequate
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	Yes	Adequate
Conventional VLC units one for every two chairs		2	4	Yes	Adequate
Needle destroyer		2	2	Yes	Adequate
Magnifying loupes one for students and one for faculty		1	2	Yes	Adequate
LCD projector		1	1	Yes	Adequate
Composite kits with different shades and polishing kits		2	4	Yes	Adequate
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	Yes	Adequate
Amalgam finishing kits		2	3	Yes	Adequate
RVG with x-ray machine developing kit		1	1	Yes	Adequate
Chair side micro abrasion		1	1	Yes	Adequate
Bleaching unit		1	1	Yes	Adequate
Instrument retrieval kits		1	1	Yes	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes	Adequate

Refrigerator		1	1	Yes	Adequate
Equipments for casting procedures				Yes	Adequate
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces		1	1	Yes	Adequate
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments		1	1	Yes	Adequate
Laser (preferably hard tissue)		1	1	Yes	Adequate
Face bow with semi adjustable articulator		1	2	Yes	Adequate

Department: Orthodontics and Dentofacial Orthopedics

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty		Yes	Adequate
		1 Unit	2 Units		
Vacuum /pressure moulding unit		1	1	Yes	Adequate
Hydrogen soldering unit		1	1	Yes	Adequate
Lab micromotor		3	5	Yes	Adequate
Spot welders		3	5	Yes	Adequate
Model trimmer (Double disc)		2	3	Yes	Adequate
Light curing unit		2	2	Yes	Adequate
High intensity light curing unit		1	2	Yes	Adequate
Polishing lathes		2	3	Yes	Adequate
Tracing tables		3	5	Yes	Adequate
SLR digital camera		1	1	Yes	Adequate
Scanner with transparency adapter		1	1	Yes	Adequate
X-ray viewer		3	4	Yes	Adequate
LCD projector		1	1	Yes	Adequate
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	Yes	Adequate
Needle destroyer		1	1	Yes	Adequate
Dry heat sterilizer		1	1	Yes	Adequate
Ultrasonic scaler		1	1	Yes	Adequate
Sets of Orthodontic pliers		3	3	Yes	Adequate
Orthodontic impression trays		3	5	Yes	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes	Adequate
Electropolisher		1	1	Yes	Adequate
Typodonts with full teeth set		3	3	Yes	Adequate
Anatomical articulator with face bow attachments		1	1	Yes	Adequate
Free plane articulators		1	1	Yes	Adequate
Hinge articulators		4	4	Yes	Adequate
Computer software for cephalometrics		1	1	Yes	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes	Adequate
Refrigerator		1	1	Yes	Adequate

Department: Oral & Maxillofacial Pathology and Oral Microbiology

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	3	6	NA	NA
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			NA	NA
Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available			NA	NA
Paraffin wax bath	thermostatically controlled	1	1	NA	NA
Leuckhart pieces		10	10	NA	NA
Block holders		25	25	NA	NA
Microtome	Manual	1	1	NA	NA
Microtome	semi – automated	1	1	NA	NA
Tissue floatation water bath	thermostatically controlled	1	1	NA	NA
Slide warming table		1	1	NA	NA
Steel slide racks for staining		5	5	NA	NA
Diamond glass marker		2	2	NA	NA
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1	NA	NA
Multi head microscope	Penta headed	1	1	NA	NA
Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student	NA	NA
Stereo microscope		1	1	NA	NA
Aluminum slide trays		5	5	NA	NA
Wooden / plastic slide boxes		5	5	NA	NA
Wax block storing cabinet		5,000 capacity	10,000 capacity	NA	NA
Slide storing cabinet		5,000 capacity	10,000 capacity	NA	NA
Refrigerator		1	1	NA	NA
Pipettes		5	5	NA	NA
Surgical kit for biopsy		3	6	NA	NA
Immuno histo chemistry lab		1	1	NA	NA
Computer with Internet Connection with attached printer and scanner		1	1	NA	NA
LCD projector		1	1	NA	NA
Desirable Equipment					NA
Cryostat		1	1	NA	NA
Fluorescent microscope		1	1	NA	NA
Hard tissue microtome		1	1	NA	NA
Tissue storing cabinet (frozen)		1	1	NA	NA
Microwave		1	1	NA	NA

Department: **Public Health Dentistry**

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece, airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece with min 3 tips.	One chair and unit per post-graduate student and one chair with unit for the faculty		NA	NA
		1 Unit	2 Units	NA	NA
Extraction forceps		4 sets	6 sets	NA	NA
Filling instruments		4 sets	6 sets	NA	NA
Scaling instruments	Supra gingival scaling	4 sets	6 sets	NA	NA
Amalgamator		1	1	NA	NA
Pulp tester		1	1	NA	NA
Autoclave		1	1	NA	NA
X-ray viewer		1	1	NA	NA
Instrument cabinet		1	1	NA	NA
LCD or DLP multimedia projector		1	1	NA	NA
Computer with internet connection with attached printer and scanner		1	1	NA	NA
For peripheral dental care or field programme					
Staff bus		1	1	NA	NA
Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1	NA	NA
Ultrasonic scaler,		1	2	NA	NA
Ultrasonic cleaner capacity 3.5 lts		1	1	NA	NA
Compressor	One with chair			NA	NA
Generator		1	1	NA	NA
Public address system, audio-visual aids		1	1	NA	NA
Television		1	1	NA	NA
Digital Versatile Disc Player		1	1	NA	NA
Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1	NA	NA
Portable oxygen cylinder		1	1	NA	NA
Portable chair		1	1	NA	NA
Refrigerator		1	1	NA	NA

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contra angle miniature handpiece, airtor attachment with miniature handpiece, dental operator stool (40% dental chairs shall be pedo chairs)	One chair and unit per post-graduate student and Two chairs with unit for the faculty		Yes	Adequate
		1 Unit	2 Units		
Pedo extraction forceps sets		3	4	Yes	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2	Yes	Adequate
RVG with intra oral x-ray unit		1	1	Yes	Adequate
Automatic developer		1	1	Yes	Adequate
Pulp tester		2	3	Yes	Adequate
Apex locator		1	1	Yes	Adequate
Rubber dam kit	One set per student	1	1	Yes	Adequate
Injectable GP condenser		1	1	Yes	Adequate
Endodontic pressure syringe		1	1	Yes	Adequate
Glass bead steriliser		2	4	Yes	Adequate
Spot welder		2	3	Yes	Adequate
Ultrasonic scalers		2	4	Yes	Adequate
Needle destroyer		1	1	Yes	Adequate
Formalin chamber		1	1	Yes	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	Yes	Adequate
X-ray viewer		2	3	Yes	Adequate
Amalgamator		1	2	Yes	Adequate
Plaster dispenser		2	2	Yes	Adequate
Dental lathe		1	2	Yes	Adequate
Vibrator		2	3	Yes	Adequate
Typodonts	One set per student	1	1	Yes	Adequate
Soldering unit		1	1	Yes	Adequate
Band pinching beak pliers		2 Sets	2 Sets	Yes	Adequate
Proximal contouring pliers		2	3	Yes	Adequate
Crown crimping pliers		2	3	Yes	Adequate
Double beak pliers anterior and posterior		2	3	Yes	Adequate
Lab micro motor		2	3	Yes	Adequate
Acryliser		1	2	Yes	Adequate
Magnifying loupes		1	1	Yes	Adequate
Conscious sedation unit	Desirable	1	1	Yes	Adequate
Pulse oxymeter		1	1	Yes	Adequate
Phantom head table with attached Light, Airtor and micro motor	One set per each P.G. Student	1	1	Yes	Adequate
Computer with internet connection with attached printer and scanner		1	1	Yes	Adequate
LCD projector		1	1	Yes	Adequate
Refrigerator		1	1	Yes	Adequate



Shri Gurudatta Pratishthan Nanded's

NANDED RURAL DENTAL COLLEGE & RESEARCH CENTER

Affiliated to Maharashtra University of Health Sciences (MUHS, Nashik (M.S.)
Recognized by Government of India / Dental Council of India (DCI), New Delhi

Pangri Village, Behind S.R.T.M. University, Tq. & Dist. Nanded-431 606 (Maharashtra)
Contact : 7745000777, E-mail : nrdrccn@gmail.com, Web : www.nrdrccn.com

Ref. No.: SGPN/NRDCRC/

Date :

To,

The Hon'ble Registrar

Maharashtra University of Health Sciences,

Nashik

Sub.: Regarding availability equipment's as per MUHS norms.

Respected Sir,

With reference to above mentioned subject, you are informed that **SGPN's Nanded Rural Dental College & Research Center**, Nanded have purchased equipment's as per MUHS norms.

Date: 01/01/2026

Place: Nanded

Encl: As above.

Principal

PRINCIPAL
Nanded Rural Dental College
& Research Center, Nanded.