

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	6	12	Yes	Adequate
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	Yes	Adequate
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer	2	3	Yes	Adequate
Pulp testers	Digital			Yes	Adequate
Automatic periapical X-ray Developer		1	1	Yes	Adequate
Automatic Panoramic with Cephalometric X-ray Developer		1	1	Yes	Adequate
X-ray viewer	For Panoramic and Cephalometric films	2	2	Yes	Adequate
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	Yes	Adequate
General X-ray Unit		1	1	Yes	Adequate
Ortho Pantmograph	Preferably digital	1	1	Yes	Adequate
Automatic Developers / Dark Room		1	2	Yes	Adequate
Lead aprons		2	2	Yes	Adequate
Lead Gloves		1	1	Yes	Adequate
X-ray Hangers		6	6	Yes	Adequate
X-ray Viewers		2	2	Yes	Adequate
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	20	40	Yes	Adequate
Lead Screen		1	1	Yes	Adequate
Biopsy Kit		1	1	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters	1	2	Yes	Adequate
Computers	Minimum Pentium – IV	1	1	Yes	Adequate
Intra Oral Camera	With High resolution	1	1	Yes	Adequate
Needle Burner with Syringe Cutter		2	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	1	2	Yes	Adequate
Microscopes		20	40	Yes	Adequate
Microtome		1	1	Yes	Adequate
Wax bath		1	1	Yes	Adequate
Water bath		1	1	Yes	Adequate
Knife sharpener		1	1	Yes	Adequate
Hot plate		1	1	Yes	Adequate
Spencer Knife		1	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	8	16	Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	Yes	Adequate
Needle burner with syringe cutter		2	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	2		Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	Yes	Adequate
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	Yes	Adequate
Glass bead sterilisers		1	1	Yes	Adequate
Compressor	1.25 HP	1	1	Yes	Adequate
Metal Cabinet	With wash basin	1	1	Yes	Adequate
Portable dental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP	2	2	Yes	Adequate
Stabiliser	4 KV	1	1	Yes	Adequate
Generator	4 KV	1	1	Yes	Adequate
Water tank	400 ltrs	1	1	Yes	Adequate
Oxygen cylinder		1	1	Yes	Adequate
Public address system		1	1	Yes	Adequate

TV and video cassette player		1	1	Yes	Adequate
Demonstration models		1	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 conrtriangle Hand piece, 3 way syringe, ultrasonic sealer with 3 tips, Light cure unit LED based heat free, X-ray viewer, instrument tray Dental Operator'sstool with height adjustment (Pedo chair preferred)	10	20	Yes	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters	1	2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	Yes	Adequate
Needle Burner with syringe cutter		2	3	Yes	Adequate
Amalgamator		1	1	Yes	Adequate
Pulp Tester Digital		1	1	Yes	Adequate
Rubber dam kit for pedo		3	5	Yes	Adequate
Apex locator		1	1	Yes	Adequate
Endo motor	With torque control HPs	1	1	Yes	Adequate
Injectable gutta percha with condensation		1	1	Yes	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and software	1	1	Yes	Adequate
Intra Oral Camera	With high resolution	1	1	Yes	Adequate
Scale instruments		5	10	Yes	Adequate
Restorative instruments		5	10	Yes	Adequate
Extraction forceps		5	10	Yes	Adequate
Intra-oral X-ray		1	1	Yes	Adequate
Automatic Developer		1	1	Yes	Adequate
Computer	Minimum Pentium – IV	1	1	Yes	Adequate
PEDO LAB					
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes	Adequate
Model Trimmer	With diamond disc	1	1	Yes	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc	1	1	Yes	Adequate
Welder with soldering attachments		1	1	Yes	Adequate
Vibrator		2	2	Yes	Adequate
Lab micro motor	Heavy duty with Hps	2	3	Yes	Adequate
Dental Lathe		1	1	Yes	Adequate
Model Trimmer		1	1	Yes	Adequate

Steam cleaner		1	1	Yes	Adequate
Pressure moulding machine		1	1	Yes	Adequate
Carborandum disc		1	1	Yes	Adequate
Diamond disc		1	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	9	18	Yes	Adequate
Unit mount scaler		3	5	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	Yes	Adequate
ORTHO LAB				Yes	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes	Adequate
Vibrator		2	2	Yes	Adequate
Model Trimmer		1	2	Yes	Adequate
Micromotor	Heavy duey	2	4	Yes	Adequate
Lathe		1	2	Yes	Adequate
X-ray viewers		2	2	Yes	Adequate
OPG with cephalostat	If available in radiology its is adequate	1	1	Yes	Adequate
Welders		2	4	Yes	Adequate
Blue Torch		1	1	Yes	Adequate
Base Formers		2	4	Yes	Adequate
Typodont		2	4	Yes	Adequate
Set of pliers		5	10	Yes	Adequate
Welder with soldering attachments		1	1	Yes	Adequate
Hydro solder		1	1	Yes	Adequate
Typhodont articulator	With metal teeth wax rim of Class I, II, III	3	4	Yes	Adequate
Pressure moulding machine		1	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	17	34	Yes	Adequate
Scaling instrument sets		5	10	Yes	Adequate
Surgical instrument sets		3	6	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters	2	3	Yes	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket	1	2	Yes	Adequate
Electro surgical gutery		1	1	Yes	Adequate
Needle burner with syringe cutter		4	6	Yes	Adequate
LASER	Soft tissue laser	1	1	Yes	Adequate
Surgical motor with physio dispenser		1	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	17	34	Yes	Adequate
Rubber dam kits		4	6	Yes	Adequate
Restorative instruments kits		5	10	Yes	Adequate
R.C.T. instrument kits		5	10	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters	2	3	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Yes	Adequate
Needle Burner with Syringe Cutter		3	4	Yes	Adequate
Amalgamator	With auto proportion, auto dispenser	2	3	Yes	Adequate
Rubber dam kits		4	6	Yes	Adequate
Pulp Tester Digital		2	4	Yes	Adequate
Apex locator		1	2	Yes	Adequate
Glass bead		4	6	Yes	Adequate

sterilizers					
Plaster dispenser		2	2	Yes	Adequate
Vibrator		1	2	Yes	Adequate
Ceramic Unit		1	1	Yes	Adequate
Casting machine		1	1	Yes	Adequate
Intra-oral X-ray Unit	Proper radiation safety	1	1	Yes	Adequate
Automatic Developer		1	1	Yes	Adequate
Radiovisiography	RVG with Computer	1	1	Yes	Adequate
Endo motor	With torque control Hps	1	1	Yes	Adequate
Bleaching Unit		1	1	Yes	Adequate
Magnification loops		1	2	Yes	Adequate
Injectable gutta percha		1	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 ivory teeth, preferably soft gingival, dental operator's stool (<u>not to use extracted or cadaver teeth</u>).	30	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	2	Yes	Adequate
Model Trimmer	Carborandum disc	1	1	Yes	Adequate
	Diamond disc	1	1	Yes	Adequate
Lathe	Heavy Duty	1	2	Yes	Adequate
Lab Micromotor	With heavy duty handpiece	2	3	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 5 litres	1	1	Yes	Adequate
Spindle Grinder		1	1	Yes	Adequate
Vibrator		1	2	Yes	Adequate
Turnout furnace		1	1	Yes	Adequate
Porcelain furnace		1	1	Yes	Adequate
Sandblasting Machine		1	1	Yes	Adequate
Lab Airtor		1	1	Yes	Adequate
Pindex System		1	1	Yes	Adequate
Circular saw		1	1	Yes	Adequate
Vacuum mixer		1	1	Yes	Adequate
Pneumatic chisel		1	1	Yes	Adequate
Casting machine	Motor cast / induction casting preferred	1	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	15	30	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	Yes	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Yes	Adequate
Needle Burner with Syringe Cutter		4	6	Yes	Adequate
Extraction forceps sets	Complete set	10	20	Yes	Adequate
Dental elevators	Complete set	5	10	Yes	Adequate
Minor Oral surgery kits		3	6	Yes	Adequate
Emergency drugs tray		1	1	Yes	Adequate
Oxygen cylinder with mask		1	1	Yes	Adequate
X-ray viewers		2	2	Yes	Adequate
Computer	Minimum Pentium – IV	1	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.	3	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	17	34	Yes	Adequate
Semi-adjustable articulator	With face bow	2	2	Yes	Adequate
Extra oral / intra oral tracer		2	2	Yes	Adequate
Dewaxing unit		1	2	Yes	Adequate

Curing unit		1	2	Yes	Adequate
Dental casting machine		1	1	Yes	Adequate
Wax burnout furnace		1	1	Yes	Adequate
Pre heating furnace		1	1	Yes	Adequate
Surveying unit		1	2	Yes	Adequate
Heavy duty hand piece	Lab micromotors	3	4	Yes	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	Yes	Adequate
Needle Burner with Syringe Cutter		1	2	Yes	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	Yes	Adequate
Model Trimmer with Carborandum disc		1	1	Yes	Adequate
Model Trimmer with diamond disc		1	2	Yes	Adequate
Acryliser		2	3	Yes	Adequate
Lathe		1	2	Yes	Adequate
Flask press		4	4	Yes	Adequate
Deflasking unit		4	4	Yes	Adequate
Dewaxing unit		2	3	Yes	Adequate
Hydraulic Press		2	3	Yes	Adequate
Mechanical Press		1	2	Yes	Adequate
Vacuum mixing machine		1	1	Yes	Adequate
Lab Micro motor	With heavy duty handpiece	3	4	Yes	Adequate
Curing pressure pot		1	1	Yes	Adequate
Porcelain furnace		1	2	Yes	Adequate
Vibrator		1	2	Yes	Adequate
Sandblasting unit		2	2	Yes	Adequate
Ultrasonic cleaner		1	2	Yes	Adequate
Model Trimmer		2	4	Yes	Adequate
Hot water sterilizer		1	2	Yes	Adequate
Geyser	Compound bath	1	2	Yes	Adequate
H.P. grinder with suction		2	3	Yes	Adequate
Heavy duty lathe		2	2	Yes	Adequate
Phantom heads		50	50	Yes	Adequate
Pre-clinical working tables	Gas connection & Bunsen burner	50	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	2	Yes	Adequate
Duplicator		1	1	Yes	Adequate
Pindex System		1	1	Yes	Adequate
Circular saw		1	1	Yes	Adequate
Burnout furnace		1	1	Yes	Adequate
Sandblasting Machine	With two containers	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
Induction casting machine		1	1	Yes	Adequate
Programmable porcelain furnace with vacuum pump with instrument kit and material kit		1	1	Yes	Adequate
Spot welder with soldering attachment of cable		1	1	Yes	Adequate
Vacuum mixing machine		1	1	Yes	Adequate
Steam Cleaner		1	1	Yes	Adequate
Spindle Grinder 24000 rpm with vacuum suction		1	1	Yes	Adequate
Wax heater		1	1	Yes	Adequate
Wax carver		1	1	Yes	Adequate
Curing pressure pot		1	1	Yes	Adequate
Milling machine		1	1	Yes	Adequate
Heavy duty lathe with suction		1	1	Yes	Adequate
Preheating furnace		1	1	Yes	Adequate
Palatal trimmer		1	1	Yes	Adequate
Ultrasonic cleaner	5 liters capacity	1	1	Yes	Adequate
Composite curing unit		1	1	Yes	Adequate
Micro surveyor		1	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.	30 10	60 20	Yes	Adequate
Plaster room for pre-clinical work				Yes	Adequate
Plaster dispenser	One each for plaster and stone	2	2	Yes	Adequate
Vibrator		2	2	Yes	Adequate
Lathe		2	2	Yes	Adequate
Model Trimmer		1	1	Yes	Adequate
Carborandum Disc		1	1	Yes	Adequate
Diamond disc		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 : nrdcrcn@gmail.com, Web : www.nrdcrcn.com

Ref. No.: SGPN/NRDCRC/

Date :

To,

The Hon'ble Registrar

Maharashtra University of Health Sciences,
Nashik

Subject: Regarding availability of equipment's as per MUHS Norms.

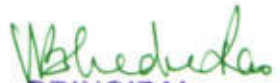
Respected Sir,

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 DCI norms.

Date: 01/01/2025

Place: Nanded

Regards,


PRINCIPAL
Nanded Rural Dental College
& Research Center, Nanded

Enclosed : As above

Maharashtra University of Health Sciences, Nashik
Inspection Committee Report for Academic Year 2025 – 2026

Clinical Material in Hospital

Faculty:- Dental

Name of College/Institute:- Nanded Rural Dental College & Research Center, Nanded

1) As per Revised BDS Course Regulations, 2007:

Since dentistry is a clinical oriented speciality, the Council desires that all the institutions make efforts to have adequate clinical material for satisfactory training of undergraduate students.

2) As per MDS Course Regulations, 2017.

3) OPD / IPD of last one year:

SN	Month and Year	Medical Hospital	Dental Hospital
1	January-2024		3715
2	February-2024		3572
3	March-2024		3464
4	April-2024		3321
5	May-2024		4504
6	June-2024		3772
7	July-2024		4852
8	August-2024		4211
9	September - 2024		4793
10	October - 2024		3390
11	November - 2024		3472
12	December - 2024		4277

Data verified by the Committee Members:

Member of LIC

Member of LIC

Member of LIC

Chairman of LIC