

DEPARTMENT: ORAL MEDICINE & RADIOLOGY
EQUIPMENTS REQUIRED AS PER REVISED BDS REQUIREMENTS 2007

Name	Specification	Quantity		Remarks of Inspector
		Required	Available	
Dental Chairs and Units	As per Specifications mentioned above	9	12	
Panoramic X-Ray with Cephalometric (Orthopentmogram)	Preferably Digital AERB Certified	1	1	
Intra Oral X-ray Unit	AERB Certified 70 KV , 8mA, high frequency preferably Digital Timer	3	4	
Pulp testers	Digital	2	2	
Automatic periapical X-ray Developer		1	1	
Automatic Panoramic with Cephalometric X-ray Developer		1	1	
X-Ray Viewer	For Panoramic and Cephalometric Films	2	4	
Radiovisiography	Digital intra X-ray system with one Sensor and Software	1	1	
General X-ray Unit		1	1	
Ortho Pantmograph	Preferably Digital	1	1	
Automatic Developers/Dark Room	As per AERB norms	1	1	
Lead Aprons		2	8	
Lead Gloves		1	1	
Lead Collar		1	6	
X-ray Hangers		6	6	
X-ray Viewers		2	2	
Diagnostic Kits	Mouth Mirror, Dental Probe, College Tweezers	35	100	
Lead Screen		1	1	
Biopsy Kit		1	2	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	
Computers	With Minimum Basic Specification (not below core i3 Processor)	1	1	
Intra Oral Camera	With High Resolution	1	1	
Needle Burner with Syringe Cutter		2	2	
CBCT	Desirable	1	1	

EQUIPMENTS REQUIRED AS PER REVISED MDS REQUIREMENTS 2017

S. No.	NAME	SPECIFICATION	Quantity		Availability
			1 Unit	2 Units	
1.	Dental Chairs and Units	Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per post-graduate student		11
2.	Digital X-ray System		1	1	1
3.	Extra oral radiography machine	100 kvp (Not required, If available in the Medical College or 100 Bedded General Hospital in the campus)	1	1	1
4.	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with Dicom printer	Digital compatibility	1	1	1
5.	Intra-oral camera		1	1	1
6.	Pulp tester		2	4	1
7.	Autoclave		1	1	1
8.	Punch biopsy tool		2	2	2
9.	Biopsy equipment		1	2	2
10.	Surgical trolley		2	2	3
11.	Emergency medicines kit		1	1	1
12.	Lead screens		2	2	3
13.	Lead aprons		2	2	8
14.	Lead gloves		2	2	1
15.	Dark room with safe light facility	Not required, If all X-ray units are digital	1	1	1
16.	Automatic radiographic film processors	Not required, If all X-ray units are digital	2	2	2
17.	Radiographic film storage lead containers	Not required, If all X-ray units are digital	1	1	1
18.	Thyroid collars		1	1	6
19.	Digital sphygmomanometer		1	1	1



20.	Digital blood glucose tester		1	1	1
21.	Digital camera		1	1	1
22.	X-ray viewer boxes		2	3	3
23.	Lacrimal probes		2 sets	2 Sets	2
24.	Sialography cannula		2 sets	2 Sets	2
25.	Illuminated mouth mirror and probe		2	2	2

(Inspector:1)

(Principal)

(Inspector:2)

26.	Computer with internet connection with attached printer and scanner		1	1	1
27.	Audio visual system		1	1	1
28.	Refrigerator		1	1	1
29.	Laser soft tissue	(Not required, if centralized Laser Clinic is available)	1	1	1
30.	Pain clinic equipment-TENS		1	1	1
31.	CBCT		1	1	2

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EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

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 / Airtor	15	30	30	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	Table top (21ltr)-03 Table top (19ltr) with distiller-03 Drum autoclave - 01	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Details attached dated 18/08/22 DC/3292	Adequate
Needle Burner with Syringe Cutter		4	6	06	Adequate
Extraction forceps sets	Complete set	10	20	20 sets	Adequate
Dental elevators	Complete set	5	10	20 sets	Adequate
Minor Oral Surgery kits		3	6	20	Adequate
Emergency drugs tray		1	1	01	Adequate
Oxygen cylinder with mask		1	1	Portable - 02 Central wall mounted - 05	Adequate
X-ray viewers		2	2	20	Adequate
Computer	Minimum Pentium - IV	1	1	01	Adequate

Dr. (Mrs.) N. N. ANGRADE

Professor and Head

Dept. of Maxillofacial Plastic

and Reconstructive

Surgery

Nair's Dental College

Municipal Corporation of Greater Mumbai

Mumbai-400 008.

A) 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, Airtor, Micromotor with straight and contra-angle Handpiece, 3 way syringe, instrument tray Dental Operators stool and height adjustment and suction.	3	5	05	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		11	Adequate
		1 Unit	2 Units		
Autoclave	Front loading	2	3	05	Adequate
Fumigators		1	1	04	Adequate
Oscillating saw	With all hand pieces	1	1	01	Adequate
Surgical Instruments					
General surgery kit including tracheotomy kit		2	2	04	Adequate
Minor oral surgery kit		5	10	10	Adequate
Osteotomy kit		1	1	02	Adequate
Cleft surgery kit		1	1	01	Adequate
Bone grafting kit		1	1	01	Adequate
Emergency kit		1	1	01	Adequate
Trauma set including bone		2	2	02	Adequate
Plating kit		1	1	02	Adequate
Implantology kit	Minimum 2	2	2	02	Adequate
With implants	systems	10	10	10	Adequate
Distraction osteogenesis kit		1	1	1kit+ 20 distractors	Adequate
Peizo surgical unit		1	1	00	Inadequate
Magnifying loops		1	1	08	Adequate
Operating microscope and Microsurgery kit	desirable	1	1	-	-
Dermatomes		1	1	01	Adequate
Needle destroyer		2	3	04	Adequate
Ultrasonic Cleaner capacity 3.5 lts		1	1	Details attached dated 18/08/22 DC/3292 Demo Done	Adequate
Formalin chamber		1	1	01	Adequate
Pulse oxymeter		1	1	05	Adequate
Ventilator		1	1	1+3 bipaps	Adequate
Major operation theatre with all facilities		1	1	01	Adequate
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	2 beds in NHDC 2 beds in TNMC	Adequate
Fibrooptic light		1	1	01	Adequate
Inpatient beds		20	20	25	Adequate

EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007
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	30	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	Table top (21ltr)-03 Table top (19ltr) with distiller-03 Drum autoclave - 01	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	Details attached dated 18/08/22 DC/3292	Adequate
Needle Burner with Syringe Cutter		4	6	06	Adequate
Extraction forceps sets	Complete set	10	20	20 sets	Adequate
Dental elevators	Complete set	5	10	20 sets	Adequate
Minor Oral Surgery kits		3	6	20	Adequate
Emergency drugs tray		1	1	01	Adequate
Oxygen cylinder with mask		1	1	Portable - 02 Central wall mounted - 05	Adequate
X-ray viewers		2	2	20	Adequate
Computer	Minimum Pentium - IV	1	1	01	Adequate

A) 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	05	Adequate

Dr. (M) एन एन अन्डरिड

कायदापत्रक - विभागप्रमुख
पुस्तकेंत शास्त्रिकशा विभाग
शास्त्र शाखाध्यक्ष दत्त महाविद्यालय
एडमिनिस्ट्रेटिव्ह महानगरपालिका
मुंबई ४००००८

Department: Oral & Maxillofacial Surgery

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
		1 Unit	2 Units		
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		11	Adequate
		2	3	05	Adequate
Autoclave	Front loading	1	1	04	Adequate
Fumigators		1	1	01	Adequate
Oscillating saw	With all hand pieces				
Surgical Instruments					
General surgery kit including tracheotomy kit		2	2	04	Adequate
Minor oral surgery kit		5	10	10	Adequate
Osteotomy kit		1	1	02	Adequate
Cleft surgery kit		1	1	01	Adequate
Bone grafting kit		1	1	01	Adequate
Emergency kit		1	1	01	Adequate
Trauma set including bone plating kit		2	2	02	Adequate
Plating kit		1	1	02	Adequate
Implantology kit	Minimum 2	2	2	02	Adequate
With implants system		10	10	10	Adequate
Distraction osteogenesis kit with mandibular, maxillary or alveolar distractor		1	1	1kit+ 20 distractors	Adequate
Peizosurgical unit		1	1	0	Inadequate
Magnifying loops		1	1	08	Adequate
Operating microscope and Microsurgery kit	desirable	1	1	-	-
Dermatomes		1	1	01	Adequate
Needle destroyer		2	3	04	Adequate
Ultrasonic Cleaner capacity 3.5 lts		1	1	Details attached 18/08/22 to DC/3292	Adequate
Formalin chamber		1	1	01	Adequate
Pulse oxymeter		1	1	05	Adequate
Ventilator		1	1	1+3 bipaps	Adequate
Major operation theatre with all facilities		1	1	01	Adequate
Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	2 beds in NHDC 2 beds in TNMC	Adequate
Fibrooptic light		1	1	01	Adequate
Inpatient beds		20	20	25	Adequate
Fiber optic laryngoscope		1	1	01	Adequate
Computer with internet connection with attached printer and scanner		1	1	02	Adequate
LCD projector		1	1	01	Adequate
Refrigerator		1	1	06	Adequate

Dr. (S) An. An. Anand

Head of Department

Department of Oral & Maxillofacial Surgery

Postgraduate Institute of Dental Sciences

Chennai

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Annexure V

Department: Periodontics

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	32	2
Scaling instrument sets		5	10	10	Adequate
Surgical instrument sets		3	6	06	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C with minimum capacity of 20 liters	2	3	3	Adequate
Ultrasonic scaler	Minimum capacity 13 litres with mesh bucket	1	2	2(3L+5L)	Adequate
Electrosurgical cautery		1	1	2	Adequate
Needle burner With syringe cutter		4	6	6	Adequate
LASER	Soft tissue laser	1	1	1	Adequate
Surgical motor With physio dispenser		1	1	1	Adequate

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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 contraangle 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		11	Adequate
		1 Unit	2 Unit		
Autoclave (fully automatic) front loading		1	2	2	Adequate
Steel bin		4	6	4	Adequate
Airoter hand pieces		2	2	27	Adequate
UV chamber		1	1	1	Adequate
Formalin chamber		1	1	1	Adequate
W.H.O probe		2	2	2	Adequate
Nabers probe		2	2	2	Adequate
Williams probe		2	2	2	Adequate
UNC-15 probe		4	4	9	Adequate
Gold Man fox probe		1	1	2	Adequate
Pressure sensitive probe		1	1	1	Adequate
Marquis color coded probe		1	1	1	Adequate
Supra gingival scalers	set	2	2	2	Adequate
Sub gingival scaler	set	2	2	2	Adequate
Arkansas sharpening stone		1	1	1	Adequate
Surgical Instruments					
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	3	Adequate
Surgery trolleys		6	6	6	Adequate
X ray viewer		1	2	1	Adequate
Surgical cassette with sterilisation pouches		4	6	9	Adequate
Electro surgery unit		1	1	1	Adequate
Special Surgical Instruments					
Kirkland's knife	set	1	1	1	Adequate
Orban's knife	set	1	1	1	Adequate
Paquette blade handle		1	1	1	Adequate
Kranekaplan pocket marker	set	1	1	1	Adequate

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Department of Periodontics

Mc Calls universal curettes	set	1	1	1	Adequate
Gracey's curettes (No.1-18)	set	2	2	1	Adequate
Mini five curettes	set	1	1	1	Adequate
Cumine scalar		1	1	1	Adequate
Mallet		1	1	1	Adequate
Chisel		1	1	1	Adequate
Oschenbein chisel	straight, curved	1	1	1	Adequate
Schluger bone file		1	1	1	Adequate
Bone fixation screw kit		1	1	0	Inadequate
Bone scrapper		1	1	1	Adequate
Bone trephines for harvesting autografts	1 set	1	1	0	Inadequate
Bone regenerative materials	Bone graft and GTR membranes			5	Adequate
Local drug delivery systems	At least two different agents	5	5		
Root conditioning agent	At least two different agents	1	1	1	Adequate
Micro needle holder		2	2	2	Adequate
Micro scissors		1	1	1	Adequate
Magnifying loop (2.5 - 3.5)		1	2	2	Adequate
Operating microscope	optional	1	1	0	Adequate
3rd generation digital probe	optional	1	1	0	
Bone expander and bone crester	optional	1	1	0	
Distraction osteogenesis kit	optional	1	1	0	
Bone mill	optional	1	1	0	
Bone graft / membrane placement spoon		1	1	1	Adequate
Bone condenser		1	1	1	Adequate
Peizo-surgery unit	optional	1	1	0	
Centrifuge for PRP/PRF preparation	optional	1	1	2	Adequate
Soft tissue laser (8 watt)		1	1	1	Adequate
Osteotome	set optional	1	1	0	
Miscellaneous Instruments					
Composite gun with material kit		1	1	13	Adequate
Splinting kit with material		2	3	2	Adequate
Composite finishing kit		1	1	1	Adequate
Glass Ionomer cement		1	1	1	Adequate
Digital camera		1	1	1	Adequate
Intra Oral camera		1	1	0	
Ultrasonic cleaner		1	1	1	Adequate
Emergency kit		1	1	1	Adequate
Refrigerator		1	1	1	Adequate
X-ray viewer		2	2	1	Adequate
LCD projector		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
Implant Equipment					
Electrical dental chair and unit		1	1	1	Adequate
Physio dispenser		1	1	1	Adequate

Annexure V

Department of Periodontics

Implant kit	At least two different systems	2	2	1	Adequate
Implants		10	10	10	Adequate
Implant maintenance kit (plastic instruments)		1 set	1 set	1	Adequate
Implant guide		1	1	0	
X-ray viewer		1	2	2	Adequate
Needle destroyer		1	2	2	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Autoclave programmable for all recommended cycles		1	1	1	Adequate
RVG with x-ray machine		1	1	1	Adequate
Refrigerator		2	2	1	Adequate
Surgical kit		1	1	1 in process	
Sinus lift kit		1	1	1	Adequate
Educating models		1	1	1 in process	
Implant removing kit					

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EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007
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	16	Adequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	00	
Needle burner With syringe cutter		2	4	04	Adequate
MOBILE CLINIC					
Mobile dental van	Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 People			Available	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		01	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	1	01	Adequate
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	01	Adequate
Glassbead sterilisers		1	1	01	Adequate

DR. SEEMA KAMBLE

Associate Professor

 Dept. of Public Health Dentistry
Nair Hospital Dental College

Seema

Compressor	1.25 HP	1	1	01	Adequate
Metal Cabinet	With wash basin	1	1	04	Adequate
Portable dental Chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP	2	2	02	Adequate
Stabiliser	4 KV	1	1	01	Adequate
Generator	4 KV	1	1	01	Adequate
Water tank	400 ltrs	1	1	01	Adequate
Oxygen cylinder		1	1	01	Adequate
Public address system		1	1	01	Adequate
Vand video cassette player		1	1	01	Adequate
Demonstratio n models		1	1	40	Adequate

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ANNEXURE - V
Department of Pediatric Dentistry
EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: 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)	10	20	10	Inadequate
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	Adequate
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	1	2	2	Adequate
Needle Burner with syringe cutter		2	3	3	Adequate
Amalgamator		1	1	1	Adequate
Pulp Tester Digital		1	1	2	Adequate
Rubber dam kit for pedo		3	5	18	Adequate
Apex locator		1	1	2	Adequate
Endo motor	With torque control HPs	1	1	1	Adequate
Injectable gutta percha with condensation		1	1	1	Adequate
Radiovisiography	Digital intra X-ray system with pedo sensor and Software	1	1	1	Adequate
Intra Oral Camera	With high resolution	1	1	1	Adequate
Scale instruments		5	10	22	Adequate
Restorative instruments		5	10	100	Adequate
Extraction forceps		5	10	125	Adequate
Intra-oral X-ray		1	1	2	Adequate
Automatic Developer		1	1	1	Adequate
Computer	Minimum Pentium - IV	1	1	2	Adequate
PEDO LAB					
Plaster dispenser	One each for plaster and stone plaster	2	2	2	Adequate
Model Trimmer	With diamond disc	1	1	1	Adequate
Model Trimmer	Double disc one diamond and one carborandam disc	1	1	1	Adequate

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ANNEXURE – V
Department of Pediatric Dentistry
EQUIPMENT REQUIREMENTS

As per Revised MDS Course Regulations, 2017

Department: Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Details on College Website	Adequate /Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contraangle 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		11	Adequate
		1Unit	2Units		
		3	4	10	Adequate
Pedo extraction forceps sets		1	2	2	Adequate
Autoclaves for bulk instrument sterilization vacuum(Front loading)		1	1	1	Adequate
RVG with intraoral x-ray unit		1	1	1	Adequate
Automatic developer		2	3	2	Adequate
Pulp tester		1	1	2	Adequate
Apex locator		1	1	18	Adequate
Rubber dam kit	One set per student	1	1	1	Adequate
Injectable GP condenser		1	1	5	Adequate
Endodontic pressure syringe		2	4	2	Adequate
Glass bead steriliser		2	3	4	Adequate
Spot welder		2	4	22	Adequate
Ultrasonic scalers		1	1	3	Adequate
Needle destroyer		1	1	1	Adequate
Formalin chamber		1	1	1	Adequate
Ultrasonic cleaner capacity 3.5lts		2	3	22	Adequate
X-ray viewer		1	2	1	Adequate
Amalgamator		2	2	2	Adequate
Plaster dispenser					

Dental lathe		1	2	1	Adequate
Vibrator		2	3	2	Adequate
Typodonts	One set per student	1	1	1	Adequate
Soldering unit		1	1	4	Adequate
Band pinching beak pliers		2Sets	2Sets	5sets	Adequate
Proximal contouring pliers		2	3	4	Adequate
Crown crimping pliers		2	3	3	Adequate
Double beak pliers anterior and posterior		2	3	8	Adequate
Lab micromotor		2	3	2	Adequate
Acryliser		1	2	1	Adequate
Magnifying loupes		1	1	2	Adequate
Conscious sedation unit	Desirable	1	1	1	Adequate
Pulse oxymeter		1	1	1	Adequate
Phantom head table with Attached Light, Airtor and micromotor	One set per each P.G.Student	1	1	1	Adequate
Computer with internet connection with Attached printer and scanner		1	1	2	Adequate
LCD projector		1	1	1	Adequate
Refrigerator		1	1	4	Adequate

		2	2	2	Adequate
Vibrator		2	3	2	Adequate
Lab micro motor	Heavy duty with Hps	1	1	1	Adequate
Dental Lathe		1	1	1	Adequate
Model Trimmer		1	1	1	Adequate
Steam cleaner		1	1	1	Adequate
Pressure moulding machine					
Carborandum disc		1	1	1	Adequate
Diamond disc		1	1	1	Adequate

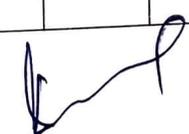
EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

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	34	
Rubber dam kits		4	6	13	
Restorative instruments kits		5	10	10	
R.C.T. instrument kits		5	10	10	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	5	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	2	
Needle Burner with Syringe Cutter		3	4	4	
Amalgamator	With auto proportion, auto dispenser	2	3	3	
Rubber dam kits		4	6	13	
Pulp Tester Digital		2	4	4	
Apex locator		1	2	4	
Glass bead sterilizers		4	6	6	
Plaster dispenser		2	2	2	
Vibrator		1	2	2	
Ceramic Unit		1	1	1	
Casting machine		1	1	1	
Intra-oral X-ray Unit	Proper radiation safety	1	1	3	
Automatic Developer		1	1	1	
Radiovisiography	RVG with Computer	1	1	3	
Endo motor	With torque control Hps	1	1	5	
Bleaching Unit		1	1	1	
Magnification loops		1	2	6	
Injectable gutta percha		1	2	2	

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PHANTOM UNIT	LAB	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 (<u>not to use extracted or cadaver teeth</u>).	30	60	110	
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Chemical Laboratory

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


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EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

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		12	Adequate
		1 Unit	2 Units	1 unit	
ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	2	Adequate
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	4	Adequate
Rubber dam kit		1 per chair	1 per chair	13	Adequate
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	6	Adequate
Autoclaves for hand piece sterilization		1	1	1	Adequate
Apex locators one for every two chairs		2	4	4	Adequate
Pulp tester		2	4	2	Adequate
Equipments for injectable thermoplasticized gutta percha		1	2	1	Adequate
Operating microscopes 3 step or 5 step magnification		1	1	5	Adequate
Surgical endo kits (Microsurgery)		2	2	2	Adequate
Set of hand instruments (specifications required)		1	2	1	Adequate
Sterilizer trays for autoclave		4	4	4	Adequate
Ultrasonic cleaner capacity 3.5 lts		1	1	1	Adequate
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	1	Adequate
Conventional VLC units one for every two Chairs		2	4	12	Adequate
Needle destroyer		2	2	2	Adequate
Magnifying loupes one for students and one for faculty		1	2	6	Adequate
LCD projector		1	1	1	Adequate
Composite kits with different shades and polishing kits		2	4	5	Adequate
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	2	Adequate
Amalgam finishing kits		2	3	2	Adequate
RVG with x-ray machine developing kit		1	1	1	Adequate

Chair side micro abrasion	1	1	1	
Bleaching unit	1	1	1	
Instrument retrieval kits	1	1	2	
Computer with internet connection with attached printer and scanner	1	1	1	
Refrigerator				
Equipments for casting procedures	1	1	1	
Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces	1	1	1	
Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments	1	1	1	
Laser (preferably hard tissue)	1	2	1	
Face bow with semi adjustable articulator				


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NAIR HOSPITAL DENTAL COLLEGE, MUMBAI-400008
DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

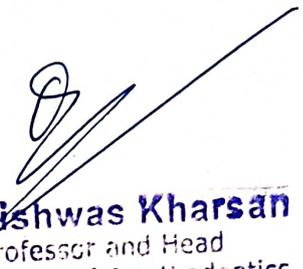
Name	Specification	Quantity		Available quantity	Adequate /Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evacuation system, Air Ventury suction, X-ray viewer, Airrotor, Micromotor with straight and conrtriangle Handpiece, 3way syringe, Ultrasonic sealer with 3 tips, Light cure unit, instrument tray and suction, Dental Operators stool with height adjustment	17	34	34	
Semi-adjustable articulator	With facebow	2	2	2	
Extraoral/ intra oral tracer		2	2	2	
Dewaxing unit		1	2	2	
Curing unit		1	2	2	
Dental casting machine		1	1	1	
Wax burnout furnace		1	1	1	
Pre heating furnace		1	1	1	
Surveying unit		1	2	2	
Heavy-duty hand piece	Lab micromotors	3	4	4	
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C With minimum capacity of 20 liters	1	2	2	
Needle Burner with Syringe Cutter		1	2	2	
Plaster dispenser	One each for plaster and stone plaster	2	2	2	
Model Trimmer with Carborandum disc		1	1	1	
Model Trimmer with diamond disc		1	2	2	
Acryliser		2	3	3	
Lathe		1	2	2	

Flask press		4	4	4	
Deflasking unit		4	4	4	
Dewaxing unit		2	3	2	
Hydraulic Press		2	3	3	
Mechanical Press		1	2	1	
Vacuum mixing machine		1	1	1	
Lab Micromotor	With heavyduty handpiece	3	4	4	
Curing pressure pot		1	1	1	
Porcelain furnace		1	2	2	
Vibrator		1	2	2	
Sandblasting unit		2	2	2	
Ultrasonic cleaner		1	2	2	
Model Trimmer		2	4	4	
Hot water sterilizer		1	2	2	
Geyser	Compound bath	1	2	2	
H.P. grinder with suction		2	3	3	
Heavyduty lathe		2	2	2	
Phantom heads		50	100	110	
Pre-clinical Working tables	Gas connection & Bunsen burner	50	100	100	

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	2	
Duplicator		1	1	1	
Pindex System		1	1	1	
Circular saw		1	1	1	
Burnout furnace		1	1	1	
Sandblasting Machine	With two containers	1	1	1	
Electro-polisher		1	1	1	
Model Trimmer with Carborandum disc		1	1	1	
Model Trimmer with diamond disc		1	1	1	
Induction casting machine		1	1	1	
Programmable porcelain furnace with Vacuum pump with instrument kit and material kit		1	1	1	
Spot welder with soldering attachment of cable		1	1	1	
Vacuum mixing machine		1	1	1	
Steam Cleaner		1	1	1	
Spindle Grinder 24000 rpm with Vacuum suction		1	1	1	
Wax heater		1	1	1	
Wax carver		1	1	1	
Curing pressure pot		1	1	1	
Milling machine		1	1	1	
Heavyduty lathe with suction		1	1	1	
Preheating furnace		1	1	1	
Palatal trimmer		1	1	1	
Ultrasonic cleaner	5 liters capacity	1	1	1	
Composite curing unit		1	1	1	
Microsurveyor		1	1	1	
Pre-clinical Prosthetic Laboratory	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micromotor with attached handpiece.	30 10	60 20	110	
Plaster room for pre-clinical work					
Plaster dispenser	One each for plaster and stone	2	2	2	
Vibrator		2	2	2	

Lathe		2	2	2	
Model Trimmer		1	1	1	
Carborandum Disc		1	1	1	
Diamond disc		1	1	1	


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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE
EQUIPMENT REQUIREMENTS FOR POSTGRADUATE COURSE

Name	Specification	Quantity		Available quantity	Adequate /Inadequate
Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3way 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		12	
		1 Unit	2 Units		
Articulators – semi adjustable/ adjustable With facebow		6	12	6	
Micromotor – (Lab Type canal so be attached (fixed) to wall		2	4	2	
Ultrasonic scaler		2	2	2	
Light cures		2	2	2	
Hot air oven		1	1	1	
Autoclave		2	2	2	
Surveyor		2	2	2	
Refrigerator		1	1	1	
X-ray viewer		1	2	1	
Pneumatic, Crown bridge remover		2	3	In process	
Needle destroyer		1	2	1	
Intraoral camera		1	1	1	
Digital SLR camera		1	1	1	
Computer with internet connection with attached printer and scanner		1	1	1	
LCD projector		1	1	1	
Clinical Lab for Prosthetics					
Plaster dispenser		2	2	2	
Model trimmer with carborandum Disc		1	2	1	
Model trimmer with diamond disc		1	2	2	
High speed lathe		2	3	2	
Vibrator		2	4	2	
Acrylizer		1	2	1	
Dewaxing unit		1	2	1	
Hydraulic press		1	1	1	
Mechanical press		1	1	1	
Vacuum mixing machine		1	1	1	

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Micromotor lab type		2	3	2	
Curing pressure pot		1	1	1	
Pressure molding machine		1	1	1	

Chrome-Cobalt Lab Equipment

Duplicator		1	1	1	
Pindex system		1	1	1	
Burn-out furnace		1	1	1	
Welder		1	1	1	
Sandblaster	Micro and macro	1	1	1	
Electro-polisher		1	1	1	
Model trimmer with carborandum disc		1	1	1	
Model trimmer with diamond disc		1	1	In process	
Model trimmer with double disc (one Carborandum and one Diamond disc)		1	1	1	
Casting machine, motorcast with The safety door closure, gas blow torch with regulator		1	1	1	
Dewaxing furnace		1	1	1	
Induction casting machine with vacuum pump, capable of casting Titanium chrome cobalt precision metal		1	1	1	
Spot welder with soldering, attachment of Cable		1	1	1	
Steam cleaner		1	1	1	
Vacuum mixing machine		1	1	1	
Spindle grinder 24,000 RPM with vacuum Suction		2	3	2	
Wax heater		2	3	2	
Wax carvers (Full PKT Set)		1	1	1	
Milling machine		1	1	In process	
Stereomicroscope		1	1	1	
Magnifying work lamp		1	1	1	
Heavyduty lathe with suction		1	1	1	
Preheating furnace		1	1	1	
Dry model trimmer		1	2	1	
Die cutting machine		1	1	1	
Ultrasonic cleaner		1	1	1	
Composite curing unit					

Ceramic Lab Equipment

Fully programmable porcelain furnace with Vacuum pump		1	1	1	
Ceramic kit (instruments)		3	3	3	
Ceramic materials (kit)		1	1	1	
Ceramic polishing kit		2	2	2	

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Implant Equipment					
Electrical dental chair and unit		1	1	5	
Physiodispenser		1	1	3	
Implant kit	Minimum 2 systems	2	2	4	
Implants		10	10	50	
Prosthetic components		10	10	10	
Unit mount light cure		1	2	1	
X-ray viewer		1	2	1	
Needle destroyer		1	1	1	
Ultrasonic cleaner capacity 3.5 lts		1	2	1	
Autoclave programmable for all Recommended cycles		1	1	1	
X-ray machine with RVG		1	1	1	
Refrigerator		2	2	1	
Surgical kit/prosthetic kit		1	1	1	
Educating models		1	1	In process	
Implant removing instruments					


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EQUIPMENT REQUIREMENTS
As per MDS Course Regulations, 2017

Department: Oral & Maxillofacial Pathology and Oral Microbiology

Name	Specification	Quantity		Details on College Website	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	03	Adequate
Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available			Reasonable quantity is available	Adequate
Paraffin wax bath	thermostatically controlled	1	1	01	Adequate
Leuckhart pieces		10	10	10	Adequate
Block holders		25	25	50	Adequate
Microtome	Manual	1	1	1	Adequate
Microtome	semi - automated	1	1	1	Adequate
Tissue floatation water bath	thermostatically controlled	1	1	1	Adequate
Slide warming table		1	1	1	Adequate
Steel slide racks for staining		5	5	10	Adequate
Diamond glass marker		2	2	5	Adequate
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1	1	Adequate
Multi head microscope	Penta headed	1	1	1	Adequate
Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student	30	Adequate
Stereo microscope		1	1	01	Adequate
Aluminum slide trays		5	5	10	Adequate
Wooden / plastic slide boxes		5	5	20	Adequate

Wax block storing cabinet	5,000 capacity	10,000 capacity	45000 capacity		Adequate
Slide storing cabinet	5,000 capacity	10,000 capacity	45000 capacity		Adequate
Refrigerator	1	1	02		Adequate
Pipettes	5	5	20		Adequate
Surgical kit for biopsy	3	6	10		Adequate
Immunohistochemistry lab	1	1	01		-
Computer with Internet Connection with attached printer and scanner	1	1	03		Adequate
LCD projector	1	1	01		Adequate
Desirable Equipment					
Cryostat	1	1			-
Fluorescent microscope	1	1			-
Hard tissue microtome	1	1			-
Tissue storing cabinet (frozen)	1	1			-
Microwave	1	1	1		-

Desai

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Desai

**LIC INSPECTION
ANNEXURE - V
EQUIPMENT REQUIREMENTS**

As per Revised BDS Course Regulations, 2007
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	19	Adequate
Unit mount scaler		3	5	5	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	01	Adequate
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	02	Adequate
ORTHO LAB					Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	2	Adequate
Vibrator		2	2	2	Adequate
Model Trimmer		1	2	2	Adequate
Micromotor	Heavy duty	2	4	4	Adequate
Lathe		1	2	2	Adequate
X-ray viewers		2	2	2	Adequate
OPG with cephalostat	If available in radiology its adequate	1	1	In Radiology	Adequate
Welders		2	4	4	Adequate
Blue Torch		1	1	1	Adequate
Base Formers		2	4	4	Adequate
Typodont		2	4	4	Adequate
Set of pliers		5	10	33	Adequate
Welder with soldering attachments		1	1	1	Adequate
Hydro solder		1	1	1	Adequate
Typodont articulator	With metal teeth wax rim of Class I, II, III	3	4	4	Adequate
Pressure moulding machine		1	1	1	Adequate


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LIC INSPECTION
ANNEXURE - V
EQUIPMENT REQUIREMENTS
 As per MDS Course Regulations, 2017
 Department: **Orthodontics**

Name	Specification	Quantity		Details on College Website	Adequate / Inadequate
		1 Unit	2 Units		
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty		11	Adequate
		1	1	1	Adequate
Vacuum /pressure moulding unit		1	1	1	Adequate
Hydrogen soldering unit		3	5	21	Adequate
Lab micromotor		3	5	4	Adequate
Spot welders		2	3	2	Adequate
Model trimmer (Double disc)		2	2	21	Adequate
Light curing unit		1	2	1	Adequate
High intensity light curing unit		2	3	3	Adequate
Polishing lathes		3	5	3	Adequate
Tracing tables		1	1	1	Adequate
SLR digital camera		1	1	1	Adequate
Scanner with transparency adapter		3	4	4	Adequate
X-ray viewer		1	1	2	Adequate
LCD projector		1	1	1	Adequate
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1	Adequate
Needle destroyer		1	1	16	Adequate
Dry heat sterilizer		3	3	10	Adequate
Ultrasonic scaler		3	5	148	Adequate
Sets of Orthodontic pliers		1	1	1	Adequate
Orthodontic impression trays		1	1	1	Adequate
Ultrasonic cleaner capacity 3.5 lts		3	3	3	Adequate
Electropolisher		1	1	1	Adequate
Typodonts with full teeth set		1	1	2	Adequate
Anatomical articulator with facebow attachments		4	4	9	Adequate
Free plane articulators		1	1	1	Adequate
Hinge articulators		1	1	1	Adequate
Computer software for cephalometrics		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
Refrigerator					

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