

As per Revised BDS Course Regulation

EQUIPMENT REQUIREMENTS

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	12	
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	01	
Intra Oral X-ray Unit	70 KV, 8 mA, high frequency preferably Digital timer	2	3	04	
Pulp testers	Digital			03	
Automatic periapical X-ray Developer		1	1	01	
Automatic Panoramic with Cephalometric X-ray Developer		1	1	01	
X-ray viewer	For Panoramic and Cephalometric films	2	2	06	
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	01	
General X-ray Unit		1	1	01	
Ortho Pantmograph	Preferably digital	1	1	01	
Automatic Developers / Dark Room		1	2	02	
Lead aprons		2	2	02	
Lead Gloves		1	1	02	
X-ray Hangers		6	6	10	
X-ray Viewers		2	2	06	
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	20	40	100	
Lead Screen		1	1	02	
Biopsy Kit		1	1	02	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	
Computers	Minimum Pentium – IV	1	1	06	
Intra Oral Camera	With High resolution	1	1	01	
Needle Burner with Syringe Cutter		2	2	02	



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Nair Hospital Dental College

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Dr. KAUSTUBH SANSARE
MUMBAI
PROFESSOR AND HEAD
ORAL MEDICINE AND RADIOLOGY
NAIR HOSPITAL DENTAL COLLEGE,
MUMBAI

Department: Oral Medicine and Radiology

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	One chair and unit per post-graduate student and one chair with unit for the faculty		11	
RVG with intra oral radiography machine (FDA Approved)	55-70 Kvp with digital compatibility	1 Unit	2 Units	1 unit	
Extra oral radiography machine	100 kvp	1	1	02	
Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1	01	
Intra-oral camera		1	2	01	
Pulp tester		2	4	03	
Autoclave		1	1	02	
Punch biopsy tool		2	3	02	
Biopsy equipment		1	2	02	
Surgical trolley		2	2	02	
Emergency medicines kit		1	1	01	
Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6	04	
Lead screens		2	2	04	
Lead aprons		2	2	02	
Lead gloves		2	2	02	
Radiographic filters (Conventional and rare earth)		1	1	01	
Dark room with safe light facility		1	1	01	
Automatic radiographic film processors		2	2	02	
Radiographic film storage lead containers		1	1	01	
Thyroid collars		1	1	01	
Digital sphygmomanometer		1	1	02	
Digital blood glucose tester		1	1	01	
Digital camera		1	1	01	
Ray viewer boxes		2	3	04	
Lacrimal probes		2 sets	2 Sets	2 sets	
Sialography cannula		2 sets	2 Sets	2 sets	
Illuminated mouth mirror and probe		2	2	02	
Computer with internet connection with attached printer and scanner		1	1	04	
LCD projector		1	1	01	
Refrigerator		1	1	01	

Dr. KAUSTUBH SANSARE
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Nair Hospital Dental C

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

Dr. (Mrs.) N. N. ANDRADE

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, 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

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
Soft surgery kit		1	1	01	Adequate
Bone grafting kit		1	1	01	Adequate
Emergency kit		2	2	02	Adequate
Trauma set including bone		1	1	02	Adequate
Plating kit		2	2	02	Adequate
Implantology kit	Minimum 2 systems	10	10	10	Adequate
With implants		1	1	1kit+ 20 distractors	Adequate
Distraction osteogenesis kit		1	1	02	Adequate
Peizo surgical unit		1	1	08	Adequate
Magnifying loops		1	1	-	-
Operating microscope and Microsurgery kit	desirable	1	1	01	Adequate
Dermatomes		2	3	04	Adequate
Needle destroyer		1	1	Details attached dated 18/08/22 DC/3292	Adequate
Ultrasonic Cleaner capacity 3.5 lts					
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. (Mrs.) N. N. ANDRADE
Professor and Head

Dept. of Maxillofacial Plastic
and Reconstructive Surgery

Nair Hospital Dental College
Municipal Corporation of Greater Mumbai
Mumbai-400 008.

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

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

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कायदापक - विभागप्रमुख
मुख्यमंत्री स्वास्थ्य विभाग
राज्य स्वास्थ्य सेवा महाविद्यालय
इलाहाबाद महानगरपालिका
मुंबई ४००००८

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 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

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शाखाध्यक्ष व विभागाध्यक्ष

पुनर्वर्तित शैक्षणिक विभाग

राष्ट्रिय स्वास्थ्य सेवा आयोग, नई दिल्ली-110054

बहुमुखी चिकित्सा विभाग

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DEPARTMENT OF PERIODONTICS

ANNEXURE - V

EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007
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, Air rotor, 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	
Surgical instrument sets		3	6	6	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	3	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	2 (3L & 5L)	
Electro surgical cautery		1	1	2	
Needle burner with syringe cutter		4	6	6	
LASER	Soft tissue laser	1	1	1	
Surgical motor with physio dispenser		1	1	1	

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15/2/23
DR. MALA DIXIT BAPURIA
Professor and Head
Department of Periodontics,
Nair Hospital, Dental College
MUMBAI - 400 008

DEPARTMENT OF PERIODONTICS

As per MDS Course Regulations, 2017

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		11	
		1 Unit	2 Units		
Auto clave (fully automatic) front loading		1	2	2	
Steel bin		4	6	4	
Airoter hand pieces		2	2	27	
UV chamber		1	1	1	
Formalin chamber		1	1	1	
W.H.O probe		2	2	2	
Nabers probe		2	2	2	
Williams probe		4	4	9	
UNC-15 probe		1	1	2	
Gold Man fox probe		1	1	1	
Pressure sensitive probe		1	1	1	
Marquis color coded probe		2	2	2	
Supra gingival scalers	set	2	2	2	
Sub gingival scaler	set	2	2	2	
Arkansas sharpening stone		1	1	1	
Surgical Instruments					
Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3	3	
Surgery trolleys		6	6	6	
X ray viewer		1	2	1	
Surgical cassette with sterilization pouches		4	6	9	
Electro surgery unit		1	1	1	
Special Surgical Instruments					
Kirkland's knife	set	1	1	1	
Orban's knife	set	1	1	1	
Paquette blade handle		1	1	1	
Kranekaplan pocket marker	set	1	1	1	
Mc Calls universal curettes	set	1	1	1	
Gracey's curettes (No.1-18)	set	2	2	1	
Mini five curettes	set	1	1	1	
Cumine scalar		1	1	1	
Mallet		1	1	1	
Chisel		1	1	1	
Oschenbein chisel	straight, curved	1	1	1	

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Nair Hospital Dental College

DEPARTMENT OF PERIODONTICS


Schlager bone file		1	1	1	
Bone fixation screw kit		1	1	0	
Bone scrapper		1	1	1	
Bone trephines for harvesting autografts	1 set	1	1	1	
Bone regenerative materials	Bone graft and GTR membranes	5	5	5	
Local drug delivery systems	At least two different agents	1 each	1	1	
Root conditioning agent	At least two different agents	2	2	2	
Micro needle holder		1	1	1	
Micro scissors		1	1	1	
Magnifying loop (2.5 – 3.5)		1	2	2	
Operating microscope	optional	1	1	0	
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		1	1	1	
Bone graft / membrane placement spoon		1	1	1	
Bone condenser	optional	1	1	0	
Peizo-surgery unit	optional	1	1	2	
Centrifuge for PRP/PRF preparation		1	1	1	
Soft tissue laser (8 watt)	set optional	1	1	0	
Osteotome		1	1	13	
Miscellaneous Instruments					
Composite gun with material kit		2	3	2	
Splinting kit with material		1	1	1	
Composite finishing kit		1	1	1	
Glass Ionomer cement		1	1	1	
Digital camera		1	1	0	
Intra Oral camera		1	1	1	
Ultrasonic cleaner		1	1	1	
Emergency kit		2	2	1	
Refrigerator		1	1	1	
X-ray viewer		1	1	1	
LCD projector					
Computer with internet connection with attached printer and scanner		1	1	1	
Implant Equipment		1	1	1	
Electrical dental chair and unit		2	2	1	
Physio dispenser	At least two different systems	10	10	10	
Implant kit		1 set	1 set	1	
Implants		1	1	1	
Implant maintenance kit (plastic instruments)		1	2	1	
Implant guide		1	2	2	
X-ray viewer		1	1	1	
Needle destroyer		1	1	1	
Ultrasonic cleaner capacity 3.5 lts					
Autoclave programmable for all					
recommended cycles					
RVG with x-ray machine		1	1	1	
Refrigerator		2	2	1	
Surgical kit					

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Nair Hospital Dental College

DEPARTMENT OF PERIODONTICS

Sinus lift kit		1	1	FILE:DC/16 71/3.6.19- C packet opening in process.	
Educating models		1	1	1	
Implant removing kit		1	1	DC/1667/ 3.6.19 C packet opening in process	


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Nair Hospital Dental College


OR MALA DIXIT BABURA
Professor and Head
Department of Periodontics
Nair Hospital, Dental College
MUMBAI - 400 004

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	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	02	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	01	
Needle burner with syringe cutter	Course Regulation Public Health Dentistry	2	4	04	
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 Quantity	
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	
Intraoral x-ray	Portable, 70 KV, 8 mA	1	1	01	
Glass bead sterilisers		1	1	01	
Compressor	1.25 HP	1	1	01	
Metal Cabinet	With wash basin	1	1	04	
Portable dental chair	Suitcase unit with airtor, micromotor, scaler and compressor 0.25 HP	2	2	02	
Stabiliser	4 KV	1	1	01	
Generator	4 KV	1	1	01	
Water tank	400 ltrs	1	1	01	
Oxygen cylinder		1	1	01	
Public address system		1	1	01	
TV and video cassette player		1	1	01	
Demonstration models		1	1	40	

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DR. SEEMA KAMBLE
 Associate Professor
 Dept. of Public Health Dentistry
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AA 212
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 Nair Hospital Dental College

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	11	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
Welder with soldering attachments		1	1	4	Adequate

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					
Rubber dam kit	One set per student	1	1	18	Adequate
Injectable GP condenser		1	1	1	Adequate
Endodontic pressure syringe		1	1	5	Adequate
Glass bead steriliser		2	4	2	Adequate
Spot welder		2	3	4	Adequate
Ultrasonic scalers		2	4	22	Adequate
Needle destroyer		1	1	3	Adequate
Formalin chamber		1	1	1	Adequate
Ultrasonic cleaner capacity 3.5lts		1	1	1	Adequate
X-ray viewer		2	3	22	Adequate
Amalgamator		1	2	1	Adequate
Plaster dispenser		2	2	2	Adequate

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

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Signature

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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	1	1	1	
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		Details on College Website	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	34	Adequate
Semi-adjustable articulator	With facebow	2	2	2	Adequate
Extra oral/ intra oral tracer		2	2	2	Adequate
Dewaxing unit		1	2	2	Adequate
Curing unit		1	2	2	Adequate
Dental casting machine		1	1	1	Adequate
Wax burnout furnace		1	1	1	Adequate
Pre heating furnace		1	1	1	Adequate
Surveying unit		1	2	2	Adequate
Heavy duty hand piece	Lab micromotors	3	4	4	Adequate
Autoclave	Having wet and dry cycle, which can achieve 135 ⁰ C With minimum capacity of 20 liters	1	2	2	Adequate
Needle Burner with Syringe Cutter		1	2	2	Adequate
Plaster dispenser	One each for plaster and stone plaster	2	2	In process	
Model Trimmer with Carborandum disc		1	1	1	Adequate
Model Trimmer with diamond disc		1	2	In process	
Acryliser		2	3	3	Adequate

Lathe		1	2	2	Adequate
Flask press		4	4	4	Adequate
Deflasking unit		4	4	In process	
Dewaxing unit		2	3	2	Adequate
Hydraulic Press		2	3	3	Adequate
Mechanical Press		1	2	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Lab Micro motor	With heavy duty handpiece	3	4	4	Adequate
Curing pressure pot		1	1	1	Adequate
Porcelain furnace		1	2	2	Adequate
Vibrator		1	2	2	Adequate
Sandblasting unit		2	2	2	Adequate
Ultrasonic cleaner		1	2	In process	
Model Trimmer		2	4	4	Adequate
Hot water sterilizer		1	2	2	Adequate
Geyser	Compound bath	1	2	2	Adequate
H.P. grinder with suction		2	3	3	Adequate
Heavy duty lathe		2	2	2	Adequate
Phantom heads		50	50	60	Adequate
Pre-clinical Working tables	Gas connection & Bunsen burner	50	100	60	Adequate

CERAMIC AND CAST PARTIAL LABORATORY

Name	Specification	Quantity		Details on College Website	Adequate /Inadequate
		50 Intake	100 Intake		
Plaster dispenser	One each for plaster and stone Plaster	2	2	In process	
Duplicator		1	1	1	Adequate
Pindex System		1	1	1	Adequate
Circular saw		1	1	1	Adequate
Burnout furnace		1	1	1	Adequate
Sandblasting Machine	With two containers	1	1	1	Adequate
Electropolisher		1	1	1	Adequate
Model Trimmer with Carborandum disc		1	1	In process	
Model Trimmer with diamond disc		1	1	1	Adequate
Induction casting machine		1	1	1	Adequate
Programmable porcelain furnace with Vacuum pump with instrument kit and material kit		1	1	1	Adequate
Spot welder with soldering attachment of cable		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Steam Cleaner		1	1	1	Adequate
Spindle Grinder 24000 rpm with Vacuum suction		1	1	1	Adequate
Wax heater		1	1	1	Adequate
Wax carver		1	1	1	Adequate
Curing pressure pot		1	1	1	Adequate
Milling machine		1	1	1	Adequate
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	1	Adequate
Palatal trimmer		1	1	1	Adequate
Ultrasonic cleaner	5 liters capacity	1	1	1	Adequate
Composite curing unit		1	1	1	Adequate
Micro surveyor		30	60	110	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.	10	20		
PLASTER ROOM FOR PRE-CLINICAL WORK					

Plaster dispenser	One each for plaster and stone	2	2	In process	
Vibrator		2	2	2	Adequate
Lathe		2	2	2	Adequate
Model Trimmer		1	1	1	Adequate
Carborandum Disc		1	1	1	Adequate
Diamond disc		1	1	In process	


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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Name	Specification	Quantity		Details on College Website	Adequate /Inadequate
Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3way syringe, instrument tray and motorized suction, micro motor and airtor attachment with handpieces	One Chair and unit per PG student and two chairs with unit for the faculty		12	Adequate
		1 Unit	2 Units		
Articulators –semi adjustable/ adjustable With face bow		6	12	6	Adequate
Micromotor –(Lab Type can also be attached (fixed) to wall		2	4	2	Adequate
Ultrasonic scaler		2	2	2	Adequate
Light cures		2	2	2	Adequate
Hot air oven		2	2	2	Adequate
Autoclave		2	2	2	Adequate
Surveyor		1	1	In process	
Refrigerator		1	2	1	Adequate
X-ray viewer		2	3	In process	
Pneumatic, Crown bridge remover		1	2	1	Adequate
Needle destroyer		1	1	1	Adequate
Intra oral camera		1	1	1	Adequate
Digital SLR camera		1	1	1	Adequate
Computer with internet connection with attached printer and scanner		1	1	1	Adequate
CD projector					
Clinical Lab for Prosthetics					
Plaster dispenser		2	2	In process	
Model trimmer with carborandum Disc		1	2	1	Adequate
Model trimmer with diamond disc		1	2	In process	
High speed lathe		2	3	2	Adequate
Vibrator		2	4	2	Adequate
Acrylizer		1	2	1	Adequate
Dewaxing unit		1	2	1	Adequate
Hydraulic press		1	1	1	Adequate
Mechanical press		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate


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

Chrome-Cobalt Lab Equipment

Duplicator		1	1	1	Adequate
Pindex system		1	1	1	Adequate
Burn-out furnace		1	1	1	Adequate
Welder		1	1	1	Adequate
Sandblaster	Micro and macro	1	1	1	Adequate
Electro-polisher		1	1	1	Adequate
Model trimmer with carborandum disc		1	1	1	Adequate

Model trimmer with diamond disc		1	1	In process	
Model trimmer with double disc(one Carborandum and one Diamond disc)		1	1	In process	
Casting machine, motor cast with The safety door closure, gas blow torch with regulator		1	1	In process	
Dewaxing furnace		1	1	1	Adequate
Induction casting machine with vacuum pump, capable of casting Titanium chrome cobalt precision metal		1	1	1	Adequate
Spot welder with soldering, attachment of cable		1	1	1	Adequate
Steam cleaner		1	1	1	Adequate
Vacuum mixing machine		1	1	1	Adequate
Spindle grinder24,000 ROM with vacuum suction		2	3	2	Adequate
Wax heater		2	3	2	Adequate
Wax carvers(Full PKT Set)		1	1	1	Adequate
Milling machine		1	1	In process	
Stereomicroscope		1	1	In process	
Magnifying work lamp		1	1	1	Adequate
Heavy duty lathe with suction		1	1	1	Adequate
Preheating furnace		1	1	In process	
Dry model trimmer		1	2	1	Adequate
Die cutting machine		1	1	1	Adequate
Ultrasonic cleaner		1	1	1	Adequate
Composite curing unit					
Ceramic Lab Equipment					
Fully programmable porcelain furnace with Vacuum pump		1	1	1	Adequate
Ceramic kit (instruments)		3	3	3	Adequate
Ceramic materials (kit)		1	1	1	Adequate
Ceramic polishing kit		2	2	2	Adequate
Implant Equipment					
Electrical dental chair and unit		1	1	5	Adequate
Physio dispenser		1	1	3	Adequate
Implan tkit	Minimum 2 systems	2	2	4	Adequate
Implants		10	10	50	Adequate
Prosthetic components		10	10	10	Adequate
Unit mount light cure		1	2	1	Adequate
X-ray viewer		1	2	1	Adequate
Needle destroyer		1	2	1	Adequate
Ultrasoniccleanercapacity3.5lts		1	1	1	Adequate

Autoclave programmable for all Recommended cycles		1	2	1	Adequate
X-ray machine with RVG		1	1	1	Adequate
Refrigerator		1	1	1	Adequate
Surgical kit/prosthetic kit		2	2	1	Adequate
Educating models		1	1	1	Adequate
Implant removing instruments		1	1	In process	


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ANNEXURE - V

EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007
Department: Oral Pathology and Oral Microbiology

Name	Specification	Quantity		Details on College Website	Adequate/ Inadequate
		50 Intake	100 Intake		
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	1	2	02	Adequate
Microscopes		20	40	60	Adequate
Microtome		1	1	01	Adequate
Wax bath		1	1	01	Adequate
Water bath		1	1	01	Adequate
Knife sharpener		1	1	01	Adequate
Hot plate		1	1	01	Adequate
Spencer Knife		1	1	01	Adequate



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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
Typhodont 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
		1	1	1	Adequate
Vacuum /pressure moulding unit		3	5	21	Adequate
Hydrogen soldering unit		3	5	4	Adequate
Lab micromotor		2	3	2	Adequate
Spot welders		2	2	21	Adequate
Model trimmer (Double disc)		1	2	1	Adequate
Light curing unit		2	3	3	Adequate
High intensity light curing unit		3	5	3	Adequate
Polishing lathes		1	1	1	Adequate
Tracing tables		1	1	1	Adequate
SLR digital camera		3	4	4	Adequate
Scanner with transparency adapter		1	1	2	Adequate
X-ray viewer		1	1	1	Adequate
LCD projector				2	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					
Anatomical articulator with facebow attachments		1	1	2	Adequate
Free plane articulators		4	4	9	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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