

**A. The facilities as per the stipulations of the respective regulatory bodies (DCI)**

**DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS (BDS)**

NAME	SPECIFICATIONS	Required/Available
Dental Chairs and Units	As per specification	34
Rubber dam kits		6
Restorative instruments kits		10
R.C.T. instrument kits		10
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	3
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket	2
Needle burner with syringe cutter		4
Amalgamator	With Autoclave proportion, Autoclave dispenser	3
Pulp Tester-Digital		4
Apex Locator		2
Glass bead sterilizers		6
Plaster dispensers		2
Vibrator		2
Intra-oral X-ray Unit	Proper radiation safety	1
Automatic Developer		1
Radiovisiography	RVG with Computer	1
Endo motor	With torque control Hps	3
Bleaching unit		1
Magnification loops		2
Injectable gutta percha		3
CAD CAM		1(Optional)

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>	60
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**CLINICAL LABORATORY**

Plaster Dispenser	One each for plaster and stone plaster	2
Model Trimmer	Carborandum disc	1
	Diamond disc	1
Lathe	Heavy Duty	2
Lab Micromotor	With heavy duty handpiece	3
Ultrasonic cleaner	Minimum capacity 5 liters	1
Spindle Grinder		1
Vibrator		2
Burnout furnace		1
Porcelain furnace		1
Sandblasting Machine		1
Lab Airrotor		1
Pindex System		1
Circular saw		1
Vacuum mixer		1
Pneumatic chisel		1
Casting machine	Motor cast/induction casting preferred	1
Ceramic Unit		1

**DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS (MDS)**

S.No.	NAME	SPECIFICATION	Quantity/ Availability	
			1 Unit	2 Units
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airrotor attachment with hand pieces	One chair & unit per post-graduate student and two chairs with unit for the faculty	
			<b>1 Unit</b>	<b>2 Units</b>
2.	ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3
3.	Mechanised rotary instruments including hand pieces (speed and torque control) and hand		3	6

	instruments various systems			
4.	Rubber dam kit		1 per chair	1 per chair
5.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3
6.	Autoclaves for hand piece sterilization		1	1
7.	Apex locators one for every two chairs		2	4
8.	Pulp tester		2	4
9.	Equipments for injectable thermoplasticized gutta percha		1	2
10.	Operating microscopes 3 step or 5 step magnification		1	1
11.	Surgical endo kits (Microsurgery)		2	2
12.	Set of hand instruments (specifications required)		1	2
13.	Sterilizer trays for autoclave		4	4
14.	Ultrasonic cleaner capacity 3.5 lts		1	1
15.	Variable Intensity polymerization equipments - VLC units	Desirable	1	1
16.	Conventional VLC units one for every two chairs		2	4
17.	Needle destroyer		2	2
18.	Magnifying loupes one for students and one for faculty		1	2
19.	LCD projector		1	1
20.	Composite kits with different shades and polishing kits		2	4
21.	Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3
22.	Amalgam finishing kits		2	3
23.	RVG with x-ray machine developing kit		1	1

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

**DEPARTMENT : ORAL MEDICINE AND RADIOLOGY.(BDS)**

NAME	SPECIFICATIONS	Required/Available
Dental Chairs and Units	As per specification	12
Panoramic X-Ray with Cephalometric	Preferably digital <b>AERB Certified</b>	1
Intra Oral X-ray Unit	<b>AERB Certified</b>	3
Pulp testers	Digital	3
Automatic periapical X-ray Developer		1
Automatic Panoramic with Cephalometric X-ray Developer		1
X-ray viewer	For Panoramic and Cephalometric films	2
Radiovisiography with Intra Oral Camera	Digital Intra X-ray System with one Sensor and Software	1
General X-ray Unit		1
Automatic Developers/ <i>Dark Room</i>	<b>AERB Criteria</b>	1

Lead Aprons		2
Lead Gloves		2
Lead collar		2
X-ray Hangers		6

Diagnostic Kits	Mouth mirror, dental probe, college tweezers	40
Lead Screen		1
Biopsy Kit		1
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2
Needle Burner with Syringe Cutter		2
CBCT	AERB Certified, capturing the complete image in less than 30 sec.	1(Optional)
Diagnostic kit		25
Biopsy Kit		2
Sailography equipment & Kit		1

**DEPARTMENT: ORAL MEDICINE & RADIOLOGY (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/Availability	
			1 Unit	2 Units
1.	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	
2.			1 Unit	2 Units
3.	RVG with intra oral radiography machine (FDA Approved)	55-70 kVp with digital compatibility	1	1
4.	Extra oral radiography machine	100 kvp	1	1
5.	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1
6	Intra-oral camera		1	2
7	Pulp tester		2	4



8	Autoclave		1	1
9	Punch biopsy tool		2	3
10	Biopsy equipment		1	2
11	Surgical trolley		2	2
12	Emergency medicines kit		1	1
13	Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6
14	Lead screens		2	2
15	Lead aprons		2	2
16	Lead gloves		2	2
17	Radiographic filters (Conventional and rare earth)		1	1
18	Dark room with safe light facility		1	1
19	Automatic radiographic film processors		2	2
20	Radiographic film storage lead containers		1	1
21	Thyroid collars		1	1
22	Digital sphygmomanometer		1	1
23	Digital blood glucose tester		1	1
24	Digital camera		1	1
25	X-ray viewer boxes		2	3
26	Lacrimal probes		2 sets	2 Sets
27	Sialography cannula		2 sets	2 Sets
28	Illuminated mouth mirror and probe		2	2
29	Computer with internet connection with attached printer and scanner		1	1
30	LCD projector		1	1
31	Refrigerator		1	1

**DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY (BDS)**

**A) EXODONTIA**

<b>NAME</b>	<b>SPECIFICATIONS</b>	<b>Required/Available</b>
Dental Chairs and Units	As per specification	25
Autoclaves	Front loading Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	4
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	2
Needle burner with syringe cutter		8
Extraction forceps sets	Complete set	20
Dental elevators	Complete set	10
Minor Oral surgery kits		6
Emergency drugs tray		2
X-ray viewers		2
Pulse Oxymeter		2
BP apparatus		2
Stethoscope		2
Thermometer		2
Glucometer		1
Oxygen cylinder		2
Oxygen mask adult		2
Oxygen mask Pado		2
Impaction kit		3
Lab micromotor with handpiece		3
Trauma kit		1
High volume suction		2
Surgical straight hand piece		4

**B) MINOR SURGERY**

Dental Chairs and Units	As per specification	5
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**DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY (MDS)**

S.No.	NAME	SPECIFICATION	Quantity/Availability	
			1 Unit	2 Units
1.	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	
2.	Autoclave	Front loading	2	3
3.	Fumigators		1	1
4.	Oscillating saw	With all hand pieces	1	1
5.	<i>Surgical instruments</i> General surgery kit including tracheotomy kit Minor oral surgery kit Osteotomy kit Cleft surgery kit Bone grafting kit Emergency kit Trauma set including bone plating kit Implantology kit with implants	Minimum 2 systems	2 5 1 1 1 1 1 2 1 2 10	2 10 1 1 1 1 2 1 2 10
6.	Distraction osteogenesis kit		1	1
7.	Peizo surgical unit		1	1
8.	Magnifying loops		1	1
9.	Operating microscope and Microsurgery kit	desirable	1	1
10.	Dermatomes		1	1
11.	Needle destroyer		2	3
12.	Ultrasonic Cleaner capacity 3.5 lts		1	1
13.	Formalin chamber		1	1
14.	Pulse oxymeter		1	1



15.	Ventilator		1	1
16.	Major operation theatre with all facilities		1	1
17.	Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds
18.	Fibrooptic light		1	1
19.	Inpatient beds		20	20
20.	Fiber optic laryngoscope		1	1
21.	Computer with internet connection with attached printer and scanner		1	1
22.	LCD projector		1	1
23.	Refrigerator		1	1

**DEPARTMENT : ORAL PATHOLOGY AND ORAL MICROBIOLOGY (BDS)**

NAME	SPECIFICATIONS	Required/Available
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	2
Slides		100
Slides Boxes		4
Microscopes		50
Microtome		1
Wax bath		1
Water bath		1

Knife sharpner		1
Hot plate		1
Spencer knife		1
Adequate slides projection system		1

**DEPARTMENT: ORAL & MAXILLOFACIAL PATHOLOGY AND ORALMICROBIOLOGY (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/ Availability	
			1 Unit	2 Units
1.			1 Unit	2 Units
2.	Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and suction	3	6

3.	Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available		
4.	Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available		
5	Paraffin wax bath	thermostatically controlled	1	1
6	Leuckhart pieces		10	10
7	Block holders		25	25
8	Microtome	Manual	1	1
9	Microtome	semi – automated	1	1
10	Tissue floatation water bath	thermostatically controlled	1	1
11	Slide warming table		1	1
12	Steel slide racks for staining		5	5
13	Diamond glass marker		2	2
14	Research microscope with phase contrast, dark field, polarization, image analyzer , photomicrography attachments		1	1
15	Multi head microscope	Penta headed	1	1
16	Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student
17	Stereo microscope		1	1
18	Aluminum slide trays		5	5
19	Wooden / plastic slide boxes		5	5
20	Wax block storing cabinet		5,000 capacity	10,000 capacity
21.	Slide storing cabinet		5,000 capacity	10,000 capacity
22.	Refrigerator		1	1
23.	Pipettes		5	5
24.	Surgical kit for biopsy		3	6
25.	Immuno histo chemistry lab		1	1

26.	Computer with Internet Connection with attached printer and scanner		1	1
27.	LCD projector		1	1
28.	<b>Desirable Equipment</b>			
29.	Cryostat		1	1
30.	Fluorescent microscope		1	1
31.	Hard tissue microtome		1	1
32.	Tissue storing cabinet (frozen)		1	1
33.	Microwave		1	1

**DEPARTMENT : ORTHODONTICS (BDS)**

NAME	SPECIFICATIONS	Available /Required
Dental Chairs and Units	As per specification	18
Unit mount scaler		5
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2

ORTHO LAB		
Plaster dispenser	One each for plaster and stone plaster	
Vibrator		2
Model Trimmer		2
Micromotor –	heavy duty	2
Lathe		4
X-ray viewers		2
OPG with cephalostat	If available in radiology its is adequate.	2
Welders		1
Blue Torch		4
Base Formers		1
Typodont		4
Set of Pliers		4
Welder with soldering attachments		10
Hydro solder		1
Typodont articulator	With metal teeth wax rim of Class I, II, III	1
Pressure moulding machine		4
Soldering torch		1
Spot Welder		1
		1

**DEPARTMENT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**  
**(MDS)**

S. No.	NAME	SPECIFICATION	Quantity/ Availability	
			1 Unit	2 Units
1.	Dental Chairs and Unit	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and motorized suction	One chair & unit per PG student and Two chairs with unit for the faculty	
			<b>1 Unit</b>	<b>2 Units</b>
1	Vacuum /pressure moulding unit		1	1
2	Hydrogen soldering unit		1	1
3	Lab micromotor		3	5
4	Spot welders		3	5
5	Model trimmer (Double disc)		2	3
6	Light curing unit		2	2
7	High intensity light curing unit		1	2
8	Polishing lathes		2	3
9	Tracing tables		3	5
10	SLR digital camera		1	1
11	Scanner with transparency adapter		1	1
12	X-ray viewer		3	4
13	LCD projector		1	1
14	Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1
15	Needle destroyer		1	1
16	Dry heat sterilizer		1	1
17	Ultrasonic scaler		1	1
18	Sets of Orthodontic pliers		3	3
19	Orthodontic impression trays		3	5
20	Ultrasonic cleaner capacity 3.5		1	1

	Its			
21	Electropolisher		1	1
22	Typodonts with full teeth set		3	3
23	Anatomical articulator with face bow attachments		1	1
23	Free plane articulators		1	1
25	Hinge articulators		4	4
26	Computer software for cephalometrics		1	1
27	Computer with internet connection with attached printer and scanner		1	1
28	Refrigerator		1	1

**DEPARTMENT : PAEDIATRIC AND PREVENTIVE DENTISTRY (BDS)**

NAME	SPECIFICATIONS	Available /Required
Dental Chairs and Units	As per specification (Pedo chair preferred with micro head hand pieces)	20
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	2
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2
Needle Burner with syringe cutter		3
Amalgamator		1
Pulp Tester-Digital		1
Rubber dam kit for pedo		5
Apex locator		1
Endo motor	With torque control HPs	1
Injectable gutta percha with condensation		1
Radiovisiography	Digital intra X-ray system with pedo sensor and software	1
Intra Oral Camera	With high resolution	1
Scaling instruments		10
Restorative instruments		10

Extraction forceps	Pedo Forceps complete sets	10
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Intra-oral X-ray		1
RCT Instruments Kits		5
Automatic Developer		1
<b>PEDO LAB</b>		
Plaster dispenser	One each for plaster and stone plaster	2
Model Trimmer	With diamond disc	1
Model Trimmer	With Carborandum disc	1
Welder with soldering attachments		1
Vibrator		2
Lab micro motor	Heavy duty with Hps	3
Dental Lathe		1
Steam cleaner		1
Pressure moulding machine		1

**DEPARTMENT: PEDODONTICS (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/Availability	
			1 Unit	2 Units
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contra angle miniature handpiece, airtor attachment with miniature handpiece, dental operator stool (40% dental chairs shall be pedo chairs)	One chair and unit per post-graduate student and Two chairs with unit for the faculty	
2.			<b>1 Unit</b>	<b>2 Units</b>
3.	Pedo extraction forceps sets		3	4
4.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2
5.	RVG with intra oral x-ray unit		1	1
6.	Automatic developer		1	1
7.	Pulp tester		2	3

8.	Apex locator		1	1
9.	Rubber dam kit	One set per student	1	1
10.	Injectable GP condenser		1	1
11.	Endodontic pressure syringe		1	1
12.	Glass bead steriliser		2	4
13.	Spot welder		2	3
14.	Ultrasonic scalers		2	4
15.	Needle destroyer		1	1
16.	Formalin chamber		1	1
17.	Ultrasonic cleaner capacity 3.5 lts		1	1
18.	X-ray viewer		2	3
19.	Amalgamator		1	2
20.	Plaster dispenser		2	2
21.	Dental lathe		1	2
22.	Vibrator		2	3
23.	Typodonts	One set per student	1	1
24.	Soldering unit		1	1
25.	Band pinching beak pliers		2 Sets	2 Sets
26.	Proximal contouring pliers		2	3
27.	Crown crimping pliers		2	3
28.	Double beak pliers anterior and posterior		2	3
29.	Lab micro motor		2	3
30.	Acryliser		1	2
31.	Magnifying loupes		1	1
32.	Conscious sedation unit	Desirable	1	1
33.	Pulse oxymeter		1	1
34.	Phantom head table with attached Light, Airtor and micro motor	One set per each P.G. Student	1	1
35.	Computer with internet connection with attached		1	1

	printer and scanner			
36.	LCD projector		1	1
37.	Refrigerator		1	1

**DEPARTMENT : PERIODONTOLOGY (BDS)**

NAME	SPECIFICATIONS	Required/Available
Dental Chairs and Units	Atleast 50% of the units should have the Ultrasonic scaler with high volume suction.	34
	Note: Atleast 25% of the units should have the Airpolisher.	
Surgical instrument sets		6
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	3
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	2
Electro surgical cautery		1
Needle burner with syringe cutter		4
Laser	Soft tissue laser	1
Physio dispenser with implant kit		1
X-ray Viewer (Extra Oral)		2
Hand scaler Supra gingival	Set of 8	10
Hand scaler Sub gingival	Set of 6	10
Set of curettes	Set of 12	2
Electro cautery Kit		1
Periodontal Surgical Kit		3

**DEPARTMENT: PERIODONTICS (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp,	One chair and unit per post-graduate student

		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	and Two chairs with unit for the faculty	
			<b>1 Unit</b>	<b>2 Units</b>
2.	Auto clave (fully automatic) front loading		1	2
3.	Steel bin		4	6
4.	Airoter hand pieces		2	2
5.	UV chamber		1	1
6.	Formalin chamber		1	1
7.	W.H.O probe		2	2
8.	Nabers probe		2	2
9.	Williams probe		2	2
10.	UNC-15 probe		4	4
11.	Gold Man fox probe		1	1
12.	Pressure sensitive probe		1	1
13.	Marquis color coded probe		1	1
14.	Supra gingival scalers	set	2	2
15.	Sub gingival scaler	set	2	2
16.	Arkansas sharpening stone		1	1
	<b>Surgical Instruments</b>			
1.	Routine surgical instrument kit (Benquis periosteal elevator, periotome)	set	2	3
2.	Surgery trolleys		6	6
3.	X ray viewer		1	2
4.	Surgical cassette with sterilisation pouches		4	6
5.	Electro surgery unit		1	1
	<b>Special Surgical Instruments</b>			

1.	Kirkland's knife	set	1	1
2.	Orban's knife	set	1	1
3	Paquette blade handle		1	1
4	Krane kaplan pocket marker	set	1	1
5.	Mc Calls universal curettes	set	1	1
6.	Gracey's curettes (No.1-18)	set	2	2
7.	Mini five curettes	set	1	1
8.	Cumine scalar		1	1
9.	Mallet		1	1
10.	Chisel		1	1
11.	Oschenbein chisel	straight, curved	1	1
12.	Schluger bone file		1	1
13.	Bone fixation screw kit		1	1
14.	Bone scrapper		1	1
15.	Bone trephines for harvesting autografts	1 set	1	1
16.	Bone regenerative materials	Bone graft and GTR membranes	5	5
17.	Local drug delivery systems	At least two different agents	1 each	1
18.	Root conditioning agent	At least two different agents	2	2
19.	Micro needle holder		1	1
20.	Micro scissors		1	1
21.	Magnifying loop (2.5 – 3.5)		1	2
22.	Operating microscope	optional	1	1
23.	3 <sup>rd</sup> generation digital probe	optional	1	1
24.	Bone expander and bone crester	optional	1	1
25.	Distraction osteogenesis kit	optional	1	1
26.	Bone mill	optional	1	1
27.	Bone graft / membrane placement spoon		1	1



28.	Bone condenser		1	1
29.	Peizo-surgery unit	optional	1	1
30.	Centrifuge for PRP/PRF preparation	optional	1	1
31.	Soft tissue laser (8 watt)		1	1
32.	Osteotome	set optional	1	1
<b>MISCELLANEOUS INSTRUMENTS</b>				
1.	Composite gun with material kit		1	1
2.	Splinting kit with material		2	3
3.	Composite finishing kit		1	1
4.	Glass Ionomer cement		1	1
5.	Digital camera		1	1
6.	Intra Oral camera		1	1
7.	Ultrasonic cleaner		1	1
8.	Emergency kit		1	1
9.	Refrigerator		1	1
10.	X-ray viewer		2	2
11.	LCD projector		1	1
12.	Computer with internet connection with attached printer and scanner		1	1

13.	Implant Equipment			
14.	Electrical dental chair and unit		1	1
	Physio dispenser		1	1
15.	Implant kit	At least two different systems	2	2
16.	Implants		10	10
17.	Implant maintenance kit (plastic instruments)		1 set	1 set
18.	Implant guide		1	1
19.	X-ray viewer		1	2
20.	Needle destroyer		1	2
21.	Ultrasonic cleaner capacity 3.5 lts		1	1
22.	Autoclave programmable for all recommended cycles		1	1
23.	RVG with x-ray machine		1	1
24.	Refrigerator		1	1
25.	Surgical kit		2	2
26.	Sinus lift kit		1	1
27.	Educating models		1	1
28.	Implant removing kit		1	1

**DEPARTMENT: PROSTHODONTICS AND CROWN & BRIDGE (BDS)**

Name	Specification	Required/ Available
Dental Chairs and Units	As per specification	34
Semi adjustable articulator	With face bow	4
Extra oral/intra oral tracer		4
Dewaxing unit		2
Curing unit		2
Dental casting machine		1
Wax burnout furnace		1
Pre heating furnace		1
Surveying unit		2
Heavy duty hand piece	Lab micromotors	4
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2
Needle burner with syringe cutter		2
CAD CAM		1(Optional)
<b>LAB</b>		

Plaster Dispenser	One each for plaster and stone plaster	2
Model Trimmer with Carborandum Disc		1
Model Trimmer with Diamond Disc		2
Acrylizer		3
Lathe		2
Flask press		4
Deflasking unit		4
Dewaxing unit		3
Hydraulic Press		3
Mechanical Press		2
Vacuum mixing machine		1
Curing pressure pot		1
Hot water sterilizer	Compound bath	2
Geysers		2
Phantom heads		50
Pre-clinical working tables	Gas connection & bunsen burner	100

### CERAMIC AND CAST PARTIAL LABORATORY

NAME	SPECIFICATIONS	Required/ Available
Plaster Dispenser	One each for plaster and stone plaster	2
Duplicator		1
Pindex System		1
Circular saw		1
Burn out furnace		1
Sandblasting machine	With two containers	1
Electro-polisher		1
Model Trimmer with Carborandum disc		1
Model Trimmer with Diamond disc		1
Induction casting machine		1
Programmable porcelain furnace with vacuum pump with instrument kit and material kit		1
Spot welder with soldering, attachment of cable		1
Vacuum mixing machine		1
Steam Cleaner		1
Spindle Grinder 24,000 RPM with vacuum suction		1
Wax heater		1
Wax carver		1
Curing pressure pot		1
Milling machine		1

Heavy duty lathe with suction		1
Preheating furnace		1
Palatal trimmer		1
Ultrasonic cleaner	5 liters capacity	1
Composite curing unit		1
Micro surveyor		1
<b>PRE-CLINICAL PROSTHETICS LABORATORY</b>	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micro motor with attached hand piece	60 20

<b>PLASTER ROOM FOR PRE-CLINICAL WORK</b>		
Plaster dispenser	One each for plaster and stone plaster	2
Vibrator		2
Lathe		2
Model Trimmer		1
Carborandum Disc		1
Diamond disc		1

**DEPARTMENT: PROSTHODONTICS AND CROWN & BRIDGE (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/ Availability	
			1 Unit	2 Units
1.	Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment with handpieces.	One chair and unit per PG student and two chairs with unit for the faculty.	
			<b>1 Unit</b>	<b>2 Units</b>
2.	Articulators – semi adjustable/ adjustable with face bow		6	12
3.	Micromotor – (Lab Type can also be attached (fixed) to wall		2	4
4.	Ultrasonic scaler		2	2
5.	Light cures		2	2

6.	Hot air oven		1	1
7.	Autoclave		2	2
8.	Surveyor		2	2
9.	Refrigerator		1	1
10.	X-ray viewer		1	2
11.	Pneumatic, Crown bridge remover		2	3
12.	Needle destroyer		1	2
13.	Intra oral camera		1	1
14.	Digital SLR camera		1	1
15.	Computer with internet connection with attached printer and scanner		1	1
16.	LCD projector		1	1
Clinical Lab for Prosthetics				
1.	Plaster dispenser		2	2
2.	Model trimmer with carborandum Disc		1	2
3.	Model trimmer with diamond disc		1	2
4.	High speed lathe		2	3
5.	Vibrator		2	4
6.	Acrylizer		1	2
7.	Dewaxing unit		1	2
8.	Hydraulic press		1	1
9.	Mechanical press		1	1
10.	Vacuum mixing machine		1	1
11.	Micro motor lab type		2	3
12.	Curing pressure pot		1	1
13.	Pressure molding machine		1	1
Chrome – Cobalt Lab Equipment				
1.	Duplicator		1	1
2.	Pindex system		1	1
3.	Burn-out furnace		1	1
4.	Welder		1	1



5.	Sandblaster	Micro and macro	1	1
6.	Electro – polisher		1	1
7.	Model trimmer with carborandum disc		1	1
8.	Model trimmer with diamond disc		1	1
9.	Model trimmer with double disc (one Carborandum and one diamond disc)		1	1
10.	Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1
11.	Dewaxing furnace		1	1
	Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1
12.	Spot welder with soldering, attachment of cable		1	1
13.	Steam cleaner		1	1
14.	Vacuum mixing machine		1	1
15.	Spindle grinder 24,000 RPM with vacuum suction		1	1
16.	Wax heater		2	3
17.	Wax carvers (Full PKT Set)		2	3
18.	Milling machine		1	1
19.	Stereo microscope		1	1
20.	Magnifying work lamp		1	1
21.	Heavy duty lathe with suction		1	1
22.	Preheating furnace		1	1
23.	Dry model trimmer		1	1
24.	Die cutting machine		1	2
25.	Ultrasonic cleaner		1	1
26.	Composite curing unit		1	1
Ceramic Lab Equipment				
1.	Fully programmable porcelain furnace with vacuum pump		1	1
2.	Ceramic kit (instruments)		3	3

3.	Ceramic materials (kit)		1	1
4.	Ceramic polishing kit		2	2
Implant Equipment				
1.	Electrical dental chair and unit		1	1
2.	Physio dispenser		1	1
3.	Implant kit	Minimum 2 systems	2	2
4.	Implants		10	10
5.	Prosthetic components		10	10
6.	Unit mount light cure		1	2
7.	X-ray viewer		1	2
8.	Needle destroyer		1	2
9.	Ultrasonic cleaner capacity 3.5 lts		1	1
10.	Autoclave programmable for all recommended cycles		1	2
11.	X-ray machine with RVG		1	1
12.	Refrigerator		1	1
13.	Surgical kit/prosthetic kit		2	2
14.	Educating models		1	1
15.	Implant removing instruments		1	1

**DEPARTMENT: PUBLIC HEALTH DENTISTRY (BDS)**

NAME	SPECIFICATIONS	Required/ Available
Dental Chairs and Units	As per specification	16
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	2
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2
Needle burner with syringe cutter		4
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	
Dental chair with unit	Hydraulically operated with spittoon attachment, halogen light with 2 intensity, air ventury suction, airrotor, micromotor, 3 way-scaler and light cure, x-ray viewer, instrument tray, operating stool.	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1
Intraoral x-ray	Portable	1
Glass bead sterilizers		1
Compressor	1.25HP	1
Metal Cabinet	With wash basin	1

Portable dental chair	Suitcase unit with airrotor, micromotor, scaler and compressor 0.25HP	2
Stabilizer	4KV	1
Generator	4KV	1
Water tank	400ltrs	1
Oxygen cylinder		1
Public address system		1
TV and video cassette player		1
Demonstration models		5

**DEPARTMENT: PUBLIC HEALTH DENTISTRY (MDS)**

S. No.	NAME	SPECIFICATION	Quantity/Availability
	<b>Instruments in the department for comprehensive Oral health care programme</b>		
1.	<b>Dental chairs</b>	<b>Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece, airroter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece with min 3 tips.</b>	One chair and unit per post-graduate student and one chair with unit for the faculty

			<b>1 Unit</b>	<b>2 Units</b>
2.				
3.	Extraction forceps		4 sets	6 sets
4.	Filling instruments		4 sets	6 sets
5.	Scaling instruments	Supra gingival scaling	4 sets	6 sets
6.	Amalgamator		1	1
7.	Pulp tester		1	1
8.	Autoclave		1	1
9.	X-ray viewer		1	1
10.	Instrument cabinet		1	1
11.	LCD or DLP multimedia projector		1	1
	Computer with internet connection with attached printer and scanner		1	1
13.	For peripheral dental care or field programme			
14.	Staff bus		1	1
15.	Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1
16.	Ultrasonic scaler,		1	2
17.	Ultrasonic cleaner capacity 3.5 lts		1	1
18.	Compressor	One with chair		
19.	Generator		1	1
20.	Public address system, audio-visual aids		1	1
21.	Television		1	1
22.	Digital Versatile DiscPlayer		1	1
23.	Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1
24.	Portable oxygen cylinder		1	1
25.	Portable chair		1	1
26.	Refrigerator		1	1

  
**PRINCIPAL**  
 College of Dental Sciences  
 Davangere