

4.2.1 FACILITIES FOR PATIENT CARE, TEACHING, LEARNING AND RESEARCH
AS STIPULATED BY THE RESPECTIVE REGULATORY BODIES

BDS EQUIPMENT REQUIREMENT AND AVAILABILITY

SURENDERA DENTAL COLLEGE & RESEARCH INSTITUTE
SRI GANGANAGAR

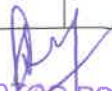
DEPARTMENT: PROSTHODONTICS AND CROWN & BRIDGE

Name	Specification	Quantity		Remarks of Inspector
		Required	Available	
Dental Chairs and Units	As per specification	34	34	
Semi adjustable articulator	With face bow	4	4	
Extra oral/intra oral tracer		4	4	
Dewaxing unit		2	5	
Curing unit		2	2	
Dental casting machine		1	1	
Wax burnout furnace		1	3	
Pre heating furnace		1	3	
Surveying unit		2	2	
Heavy duty hand piece	Lab micromotors	4	5	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	
Needle burner with syringe cutter		2	2	
CAD CAM LAB		1(Optional)	--	
Plaster Dispenser	One each for plaster and stone plaster	2	6	
Model Trimmer with Carborandum Disc		1	3	
Model Trimmer with Diamond Disc		2	2	
Acrylizer		3	3	
Lathe		2	6	
Flask press		4	5	
Deflasking unit		4	4	
Dewaxing unit		3	5	
Hydraulic Press		3	3	
Mechanical Press		2	2	
Vacuum mixing machine		1	2	
Curing pressure pot		1	1	
Hot water sterilizer	Compound bath	2	2	
Geysers		2	2	
Phantom heads		50	50	
Pre-clinical working tables	Gas connection & bunsen burner	100	100	

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CERAMIC AND CAST PARTIAL LABORATORY

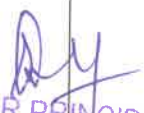
NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Plaster Dispensor	One each for plaster and stone plaster	2	6	
Duplicator		1	1	
Pindex System		1	1	
Circular saw		1	1	
Burn out furnace		1	3	
Sandblasting machine	With two containers	1	1	
Electro-polisher		1	1	
Model Trimmer with Carborandum disc		1	3	
Model Trimmer with Diamond disc		1	2	
Induction casting machine		1	1	
Programmable porcelain furnace with vacuum pump with instrument kit and material kit		1	1	
Spot welder with soldering, attachment of cable		1	1	
Vacuum mixing machine		1	2	
Steam Cleaner		1	1	
Spindle Grinder 24,000 RPM with vacuum suction		1	3	
Wax heater		1	1	
Wax carver		1	1	
Curing pressure pot		1	1	
Milling machine		1	1	
Heavy duty lathe with suction		1	1	
Preheating furnace		1	3	
Palatal trimmer		1	1	
Ultrasonic cleaner	5 liters capacity	1	1	
Composite curing unit		1	4	
Micro surveyor		1	2	
PRE-CLINICAL PROSTHETICS LABORATORY	Work table preferably complete stainless steel fitted with light, Bunsen burner, air blower, working stool. Adequate number of lab micro motor with attached hand piece	60 20	100 20	


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PLASTER ROOM FOR PRE-CLINICAL WORK				
Plaster dispenser	One each for plaster and stone plaster	2	6	
Vibrator		2	4	
Lathe		2	6	
Model Trimmer		1	5	
Carborandum Disc		1	1	
Diamond disc		1	1	

DEPARTMENT : CONSERVATIVE DENTISTRY AND ENDODONTICS

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	As per specification	34	35	
Rubber dam kits		6	6	
Restorative instruments kits		10	10	
R.C.T. instrument kits		10	10	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	3	3	
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket	2	2	
Needle burner with syringe cutter		4	5	
Amalgamator	With Autoclave proportion, Autoclave dispenser	3	5	
Pulp Tester-Digital		4	4	
Apex Locator		2	2	
Glass bead sterilizers		6	11	
Plaster dispensers		2	2	
Vibrator		2	4	
Intra-oral X-ray Unit	Proper radiation safety	1	1	
Automatic Developer		1	1	
Radiovisiography	RVG with Computer	1	1	
Endo motor	With torque control Hps	3	5	
Bleaching unit		1	1	
Magnification loops		2	3	
Injectable gutta percha		3	3	
CAD CAM		1 (Optional)	--	
PHANTOM LAB UNIT	Phantom Table fitted with Halogen Operating Light Phantom Head body type neck joint for all the movement, TMJ movement. Modular with Air rotor, Micro motor with contra angle Hns 3-way	60	60	


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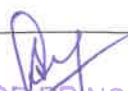
	stool (not to use extracted or cadaver teeth).			
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CLINICAL LABORATORY

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

DEPARTMENT : ORAL PATHOLOGY AND ORAL MICROBIOLOGY

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	2	7	
Slides		100	185	
Slides Boxes		4	21	
Microscopes		50	50	
Microtome		1	4	
Wax bath		1	2	
Water bath		1	1	
Knife sharpner		1	1	
Hot plate		1	1	
Spencer knife		1	4	
Adequate slides projection system		1	1	


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DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

A) EXODONTIA

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	As per specification	25	27	
Autoclaves	Front loading Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	4	4	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket	2	2	
Needle burner with syringe cutter		8	8	
Extraction forceps sets	Complete set	20	20	
Dental elevators	Complete set	10	10	
Minor Oral surgery kits		6	6	
Emergency drugs tray		2	2	
X-ray viewers		2	6	
Pulse Oxymeter		2	2	
BP appartus		2	2	
Stethoscope		2	2	
Thermometer		2	2	
Glucometer		1	1	
Oxygen cylinder		2	7	
Oxygen mask adult		2	5	
Oxygen mask Pedo		2	2	
Impaction kit		3	3	
Lab micromotor with handpiece		3	6	
Trauma kit		1	1	
High volume suction		2	2	
Surgical straight hand piece		4	4	

B) MINOR SURGERY

Dental Chairs and Units	As per specification	5	5	
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DEPARTMENT : PERIODONTOLOGY

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

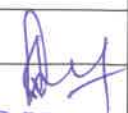
DEPARTMENT : ORTHODONTICS

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	As per specification	18	18	
Unit mount scaler		5	6	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	
Ultrasonic Cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2	2	
ORTHO LAB				
Plaster dispenser	One each for plaster and stone plaster	2	4	
Vibrator		2	5	
Model Trimmer		2	4	
Micromotor - heavy duty		4	4	
Lathe		2	4	

Welders		4	8	
Blue Torch		1	7	
Base Formers		4	4	
Typodont		4	4	
Set of Pliers		10	16	
Welder with soldering attachments		1	1	
Hydro solder		1	2	
Typhodont articulator	With metal teeth wax rim of Class I, II, III	4	8	
Pressure moulding machine		1	2	
Soldering torch		1	7	
Spot Welder		1	8	

DEPARTMENT : PAEDIATRIC AND PREVENTIVE DENTISTRY

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


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Welder with soldering attachments		1	1	
Vibrator		2	2	
Lab micro motor	Heavy duty with Hps	3	3	
Dental Lathe		1	1	
Steam cleaner		1	1	
Pressure moulding machine		1	1	


DEPARTMENT : ORAL MEDICINE AND RADIOLOGY.

NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	As per specification	12	12	
Panoramic X-Ray with Cephalometric	Preferably digital AERB Certified	1		
Intra Oral X-ray Unit	AERB Certified	3	3	
Pulp testers	Digital	3	3	
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	2	
Radiovisiography with Intra Oral Camera	Digital Intra X-ray System with one Sensor and Software	1	1	
General X-ray Unit		1	1	
Automatic Developers/Dark Room	AERB Criteria	1	1	
Lead Aprons		2	2	
Lead Gloves		2	2	
Lead collar		2	2	
X-ray Hangers		6	6	
Diagnostic Kits	Mouth mirror, dental probe, college tweezers	40	45	
Lead Screen		1	1	
Biopsy Kit		1	1	
Autoclave	Having wet and dry cycle, which can achieve 1350C with minimum capacity of 20 liters	2	2	
Needle Burner with Syringe Cutter		2	2	
	AERB Certified, capturing the	1(Onti		

Diagnostic kit		25	25	
Biopsy Kit		2	2	
Sailography equipment & Kit		1	1	

DEPARTMENT: PUBLIC HEALTH DENTISTRY


NAME	SPECIFICATIONS	Required	Available	Remarks of Inspector
Dental Chairs and Units	As per specification	16	16	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	2	2	
Ultrasonic cleaner	Minimum capacity 13 liters with mesh bucket with digital timer	2	2	
Needle burner with syringe cutter		4	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		2	
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.		3	
Autoclaves	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters.	1	2	
Intraoral x-ray	Portable	1	1	
Glass bead sterilizers		1	1	
Compressor	1.25HP	1	2	
Metal Cabinet	With wash basin	1	2	
Portable dental chair	Suitcase unit with airrotor, micromotor, scaler and compressor 0.25HP	2	2	
Stabilizer	4KV	1	1	
Generator	4KV	1	1	
Water tank	400ltrs	1	2	
Oxygen cylinder		1	2	
Public address system		1	1	
TV and video cassette player		1	1	
Demonstration models		5	5	


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DEPARTMENT: DENTAL ANATOMY, EMBRYOLOGY, ORAL HISTOLOGY
AND ORAL PATHOLOGY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
A	DENTAL ANATOMY, DENTAL HISTOLOGY & ORAL PATHOLOGY LAB				
1	Microscope		50	50	
2	Television	With USB port For displaying slide	1	1	
3	Teaching slides set with box		3 Sets (with minimum of 55 slides in each set)	3 Sets (with minimum of 55 slides in each set)	
4	Education models & dental developmental set (Nissan like model)		3	3	

B	HISTOPATHOLOGY ROOM				
	Microtome	Manual/automatic	1	4	
	Wax Bath		1	2	
	Water Bath		1	1	
	Knife Sharpener		1	1	
	Spencer Knife		1	4	
	Disposable Blade		1 set	1 set	
	Hot Air Oven		1	1	
	Organic Tissue Capsule	Small	2	29	
	Distilled Water Plant		1	1	
	Diamond Tip Pencil		1	3	
	Glass Dropper Bottle		5	10	
	Glass Bottle With Lid		5	7	
	Wide Mouth Bottles		5	9	
	Glass Funnel		5	9	
	Glass Pipette		5	5	
	Glass Measuring Jar		5	36	
	Petri Dish 4" Glass		5	10	
	L Blocks		3	28	
	Loop Holder		3	3	
	Magnifying Glass		1	1	
	Toothed Forceps		5	5	
	Plastic Dropper		5	5	


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	Processing Bottles		5	9	
	Slide Warming Table		1	1	
	Slide Drying Tray		1	7	
	Slide Carrying Tray		1	8	
	Staining Basket SS		1	1	
	Staining Trough SS	Stainless steel	1	1	
	Staining Trough Glass		1	1	
	Slide Staining Rack SS	Stainless steel	1	5	
	Slide Box		1	21	
	Slides Storage Cabinet		1	3	
	Wax Block Storing Cupboard		1	1	
	Stop Watch			1	
C	ORAL PATHOLOGY REPORTING STATION				
	Microscope –Trinocular	With all attachments	1	1	
	Colour Printer		1	1	
	Desktop Computer		1	1	

Note: These provisions shall come into force only after suitable amendment to be carried out into the existing Revised BDS Course Regulations 2007 which are under active consideration with the Council.

DEPARTMENT : HUMAN ANATOMY


	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
1	DISSECTION HALL				
	Dissection table – Stainless-Steel tables with drainage for cadavers dissection	LARGE TABLE 71 inches length 22 inches breadth 36 inches height SMALL TABLE 35-Inches Length 22 inches Breadth 36 inches height	4- Large 4- Small	10	
	Educational models		10	10	
2	CADAVER ROOM				
	Large Storage Tank	1200 lt or 130 sq. feet	1	1	
	Small Tank	800 lts	1	1	
	Freezer Unit	To store two cadavers	1	1	
3	HISTOLOGY ROOM				
	Dissection Microscopes		5	5	
	Monocular Microscopes		25	25	
	Binocular Microscopes		1	1	

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	Head and neck bones set		5	5	
	Complete Human organs specimen set		1	1	

DEPARTMENT OF PHYSIOLOGY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
HEMATOLOGY LAB					
1	Microscopes	Monocular	50	50	
2.	Stage Incubator		1	1	
3	Westergen's Pipettes For E.S.R. on Stand		5 ESR STAND 10 PIPETTES	5 ESR STAND 10 PIPETTES	
4	Winrobes Pipettes		20	20	
5.	Haemo Giobinometer, Sahli's		50	50	
6.	Haemocytometers		50	50	
7.	Sphygmomanometer		30	30	
8.	Stethoscopes		25	25	
9.	Refrigerator		1	1	
10	Stop Watches		25	25	
11	Ph Meter		1	1	
12	Analytical Balance		1	1	
13	Centrifuge R4c & R8c		1	1	
14	Blood Cell Counters		1	1	
15	Haematocrit Tubes		5	5	
16	Glass Wares	Glass slide/ pipettes/ capillary tube/test tube/glass Rod	For 50 students	Available	
CLINICAL LAB					
1	Clinical Thermometers		5	5	
2	Knee Hammer		5	5	
3	Spirometer (Ordinary)		3	3	
4	Mosso's Erograph		1	1	
5	Ophthalmoscope		1	1	
6	Dynamometer		1	1	
7	Perimeter		1	1	
8	Hair Aesthesiometer		2	2	
9	Bicycle Ergometer		1	1	
10	Examination Couches		5	5	
11	Steriliser		1	1	
12	Weighing Machine		3	3	
13	Height Chart		1	1	

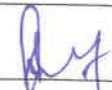

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DEPARTMENT OF BIOCHEMISTRY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
CLINICAL LAB					
	Glass Wares	Test tube/beaker/ measuring cylinder /glass rod/funnel/Amber bottle/plane bottle	For a batch of 50 students	Available	
	Micro pipettes		5	5	
	Water bath		4	4	
	Distillation Apparatus		2	2	
	Fume Cupboard		1	1	
PREPARATION ROOM					
	Balance	for weighing chemicals	3	3	
	Fridge	for storage of fine chemicals	1	1	
INSTRUMENT ROOM					
	Colorimeter	For quantitative analysis	5	5	
	Microscopes			5	
	Electrophoretic Apparatus		2	2	
	Urinometer		20	20	
	Centrifuge	for sample separation	1	1	
	Incubator		1	1	
	Hot air oven	for sterilization	2	2	

DEPT OF PHARMACOLOGY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
CLINICAL LAB					
GLASS WARE					
1	Beakers	50/100/250/500ml	100 Each	100 Each	
2	China Dish		50	50	
3	Conical Flask		5	5	
4	Funnel	50/65/75 mm	25 each	25 each	
5	Glass Rod Medium/Small		100	100	
6	Measuring Cylinder	5/10/25/50/100ml	60	60	
7	Measuring Cylinder 250ml		5	5	
-	Measuring				


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10	Pasteur pipette pack of 100		3	3	
11	Pipette 1 ml		100	100	
12	Pipette 2ml		50	50	
13	Pipette 5 ml		25	25	
14	Reagent bottle with lid – Narrow Mouth	Amber(NMA) 125/250/500 ml	100 each	100 each	
15	Reagent bottle with lid – Narrow Mouth	White(NMW)125 /250/500ml	100 each 500ml-50	100 each 500ml-50	
16	Reagent bottle with lid – Wide Mouth	Amber(WMA) 250ml	50	50	
17	Reagent bottle with lid – Wide Mouth	White(WMW) 125/250/500ml	100 each 500ml-50	100 each 500ml-50	
18	Test Tubes (Medium)		50	50	
19	Petri dish		10	10	
20	Wash Bottle		75	75	
21	Dropper Bottle		50	50	

INSTRUMENTS

1.	Transparent Dispensing Box		50	50	
2.	Dispensing Balance		50	50	
3.	Dispensing Weight box		50	50	
4.	Electronic balance		1	1	
5.	Mechanical pipette		1	1	
6.	Sensitive Balance (Shimadzu)		1	1	
7.	Sphygmomanometer		1	1	
8.	Spirit lamp		7	7	
9.	Test Tube Holders		25	25	
10.	Test Tube Stand		25	25	
11.	Water bath		1	1	
12.	Wax paper bundles		5	5	


DEPT OF MICROBIOLOGY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
	CLINICAL LAB				
1.	Microscopes monocular	Examination of micro-organisms for students	50	50	

		purposes			
3.	Incubator		1	1	
4.	Double Door Refrigerator	Maintaining Cultures	1	1	
Preparation Room					
1.	Autoclave (Small)	Sterilisation	1	1	
2.	Electronic Balance		1	1	
3.	Water Bath		1	1	
4.	Anaerobic Jar		1	1	
5.	Centrifuge		1	1	
6.	Bio Safety Cabinet		1	1	
7.	Hot Air Oven	Sterilisation	1	1	
8.	Hot Plate	Electrical For Heating	1	1	

DEPT OF GENERAL PATHOLOGY

	DEPARTMENT	SPECIFICATION	REQUIREMENT	AVAILABLE	REMARKS OF INSPECTOR
CLINICAL LAB					
A.	GLASS WARE				
1	Test tubes		Adequate number	Adequate number	
2	Glass pipette	1ml,2ml,10ml	25 Each	25 Each	
3	Conical flask		50	50	
4	Coupling Jar		25	27	
5	Wintrobe tubes		20	20	
6	Dropper bottles		25	25	
7	Capillary tubes		2 Pack	2 Pack	
8	RBC pipette		60	60	
9	Glass rods		50	50	
10	Micropipettes		50	50	
11	Hemometer pipette		20	25	
B.	INSTRUMENTS				
1	Microscopes		25	50	
2	Incubator		1	1	
3	Centrifuge		1	1	
4	Hemocytometer		20	40	
5	Hemometer		20	25	
6	Water bath		1	1	
7	Electronic weigh scale		10	10	
8	Sprit lamp		5	5	
9	Test tube stand		50	50	
10	ESR stand		25	25	
11	Laboratory thermometer		5	5	
12	Counting chamber		10	10	
13	Sphygnomanometer		1	1	
14	Lancets		1Pack	1Pack	
15	Stethoscope		1	1	

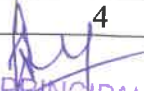

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4.2.1 FACILITIES FOR PATIENT CARE, TEACHING, LEARNING AND RESEARCH
AS STIPULATED BY THE RESPECTIVE REGULATORY BODIES


MDS EQUIPMENT REQUIREMENT AND AVAILABILITY

DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS

S.No.	Name	Specification	Stipulated required Quantity		Availability
			Unit 1	Unit 2	
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor, airtor attachment with hand pieces (Fibre optic) and scaller	One chair per post-graduate student and two for faculty per Unit		12
			Unit 1	Unit 2	
2.	ENDOSONIC HANDPIECES – Micro endosonic Tips, retro treatment		2	3	3
3.	Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments various systems		3	6	3
4.	Rubber dam kit		1 per chair	1 per chair	11
5.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	2
6.	Autoclaves for hand piece sterilization		1	1	2
7.	Apex locators		2	4	3
8.	Pulp tester		2	4	2
9.	Equipments for injectable thermoplasticized gutta percha		1	2	1
10.	Operating microscopes 3 step or 5 step magnification		1	1	1
11.	Surgical endo kits (Microsurgery)		2	2	2
12.	Set of hand cutting instruments		1	2	9
13.	Sterilizer trays for autoclave		4	6	4


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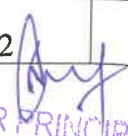
14.	Ultrasonic cleaner capacity 3.5 lts		1	1	1
15.	Variable Intensity polymerization equipments - VLC units	Desirable	1	1	1
16.	Conventional VLC units		2	4	15
17.	Needle destroyer		2	2	2
18.	Magnifying loupes		1	2	3
19.	LCD projector		1	1	1
20.	Composite kits with different shades and polishing kits		2	4	2
21.	Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	2
22.	Amalgam finishing kits		2	3	2
23.	RVG with x-ray machine developing kit		1	1	1
24.	Chair side micro abrasion		1	1	1
25.	Bleaching unit		1	1	1
26.	Instrument retrieval kits with Piezo Electric ultrasonic tips		1	1	1
27.	Computer with internet connection with attached printer and scanner		1	1	3
28.	Refrigerator		1	1	1
29.	Equipments for casting procedures				
30.	Equipments for ceramics including induction casting machines/ burnout preheat furnaces/ wax elimination furnaces		1	1	1
31.	Lab micro motor/ metal grinders / sand blasters/ polishing lathes/ duplicator equipment/ vacuum investment equipments		1	1	1
32.	Laser (preferably hard tissue)		1	1	1
33.	Face bow with semi adjustable articulator		1	2	1
34.	GP cutter		3	6	3
35.	Proffin system		1	1	1


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DEPARTMENT: ORAL MEDICINE AND RADIOLOGY

S.No.	Name	Specification	Quantity		Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction	One chair per post-graduate student and two for faculty per Unit		11
			1 Unit	2 Units	
2.	Intra Oral X-ray Machine		1	1	1
3.	RVG with intra oral radiography machine (FDA Approved)	55-70 kVp with digital compatibility	1	1	1
4.	Extra oral radiography machine	100 kvp	1	1	1
5.	Panoramic radiography (OPG) machine with cephalometric and TMJ attachment with printer	Digital compatibility	1	1	1
6	Intra-oral camera		1	2	1
7	Pulp tester		2	4	2
8	Autoclave		1	1	1
9	Punch biopsy tool		2	3	2
10	Biopsy equipment		1	2	1
11	Surgical trolley		2	2	2
12	Emergency medicines kit		1	1	1
13	Extra oral cassettes with intensifying screens (Conventional and rare earth)		4	6	4
14	Lead screens		2	2	2
15	Lead aprons		2	2	2
16	Lead gloves		2	2	2


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17	Radiographic filters (Conventional and rare earth)		1	1	1
18	Dark room with safe light facility		1	1	1
19	Automatic radiographic film processors		2	2	2
20	Radiographic film storage lead containers		1	1	1
21	Thyroid collars		1	1	1
22	Digital sphygmomanometer		1	1	1
23	Digital blood glucose tester		1	1	1
24	Digital camera		1	1	1
25	X-ray viewer boxes		2	3	2
26	Lacrimonal probes		2 sets	2 Sets	2 sets
27	Sialography cannula		2 sets	2 Sets	2 sets
28	Illuminated mouth mirror and probe		2	2	2
29	Computer with internet connection with attached printer and scanner		1	1	1
30	CBCT	Optional	1	1	--
31	LCD projector		1	1	1
32	Refrigerator		1	1	1


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EQUIPMENTS

DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

S.No.	Name	Specification	Quantity		Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and high motorised suction, with micromotor and micro motor attachment	One chair per post-graduate student and Two chairs for the faculty in each unit.		
			1 Unit	2 Units	
2.	Autoclave	Front loading	2	3	2
3.	Fumigators		1	1	2
4.	Oscillating saw, Reciprocating, Saggital saw with module	With all hand pieces	1	1	1
5.	<i>Surgical instruments</i> General surgery kit including tracheotomy kit		2	2	2
	Minor oral surgery kit		5	10	6
	Osteotomy kit		1	1	1
	Cleft surgery kit	Minimum 2 systems	1	1	1
	Bone grafting kit		1	1	1
	Emergency kit		1	1	1
	Trauma set including bone plating kit		2	2	2
	Implantology kit		2	2	2
	with implants		10	10	10
6.	Distraction osteogenesis kit		1	1	1
7.	Piezo surgical unit		1	1	1
8.	Surgical Magnifying loops 3x		1	1	2


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9.	Operating microscope and Microsurgery kit	desirable	1	1	1
10.	Dermatomes		1	1	1
11.	Needle destroyer		2	3	2
12.	Ultrasonic Cleaner capacity 3.5 lts		1	1	1
13.	Formalin chamber		1	1	10
14.	Pulse oxymeter/NIBP		1	1	2
15.	Ventilator		1	1	1
16.	Major operation theatre with all facilities as per MCI guidelines		1	1	1
17.	Recovery and Intensive Care Unit with all necessary life support equipments		2 beds	2 beds	3 beds
18.	Fiber optic light		1	1	1
19.	In-patient beds		20	20	20
20.	Fiber optic laryngoscope		1	1	1
21.	Computer with internet connection with attached printer and scanner		1	1	1
22.	LCD projector		1	1	1
23.	Refrigerator		1	1	1


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ORAL & MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY

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	4
2.	Adequate laboratory glassware's as required for processing of biopsy specimens and staining.	Reasonable quantity should be made available			available
3.	Adequate tissue capsules / tissue embedding cassettes	Reasonable quantity should be made available			29 (TISSUE CAPSULE)
4.	Paraffin wax bath	thermostatically controlled	1	1	2
5.	Leuckhart pieces		10	10	28
6.	Block holders		25	25	30
7.	Microtome	Manual	1	1	3
8.	Microtome	semi – automated	1	1	1
9.	Tissue floatation water bath	thermostatically controlled	1	1	2
10.	Slide warming table		1	1	1
11.	Steel slide racks for staining		5	5	7
12.	Diamond glass marker		2	2	3
13.	Research microscope with phase contrast, dark field, polarization, image analyzer , photomicrography attachments		1	1	1
14.	Multi head microscope	Penta headed	1	1	1
15.	Binocular compound microscope		2 for faculty and one per student	4 for faculty and one per student	13
16.	Stereo microscope		1	1	1
17.	Aluminum slide trays		5	5	15
18.	Wooden / plastic slide boxes		5	5	21
19.	Wax block storing cabinet		5,000	10,000	1 (10,000)



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			capacity	capacity	capacity)
20.	Slide storing cabinet		5,000 capacity	10,000 capacity	3 (10,000 capacity)
21.	Refrigerator		1	1	1
22.	Pipettes		5	5	5
23.	Surgical kit for biopsy		3	6	3
24.	Immuno histo chemistry lab		1	1	1
25.	Computer with Internet Connection with attached printer and scanner		1	1	1
26.	LCD projector		1	1	1
27.	Desirable Equipment				
28.	Cryostat		1	1	1
29.	Fluorescent microscope		1	1	1
30.	Hard tissue microtome		1	1	1
31.	Tissue storing cabinet (frozen)		1	1	1
32.	Microwave		1	1	1

EQUIPMENTS

DEPARTMENT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

S. No.	NAME	SPECIFICATION	Quantity		Availability
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		11
2.			1 Unit	2 Units	
3.	Vacuum /pressure moulding unit		1	1	2
4.	Hydrogen soldering unit		1	1	2
5.	Lab micromotor		3	5	6
6.	Spot welders		3	5	8
7.	Model trimmer (Double disc)		2	3	4
8.	Light curing unit		2	2	2
9.	High intensity light curing unit		1	2	4
10.	Polishing lathes		2	3	4
11.	Tracing tables		3	5	3
12.	SLR digital camera		1	1	1
13.	Scanner with transparency adapter		1	1	1
14.	X-ray viewer		3	4	5
15.	LCD projector		1	1	1



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16.	Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1
17.	Needle destroyer		1	1	1
18.	Dry heat sterilizer		1	1	1
19.	Ultrasonic scaler		1	1	6
20.	Sets of Orthodontic pliers		3	3	16
21.	Orthodontic impression trays		3	5	3
22.	Ultrasonic cleaner capacity 3.5 lts		1	1	2
23.	Electropolisher		1	1	1
24.	Typhodonts with full teeth set		3	6	8
25.	Anatomical articulator with face bow attachments		1	1	1
26.	Free plane articulators		1	1	4
27.	Hinge articulators		4	4	5
28.	Computer software for cephalometrics		1	1	1
29.	Computer with internet connection with attached printer and scanner		1	1	1
30.	Mini Implant kit		1	1	2
31.	Refrigerator		1	1	1


EQUIPMENTS

DEPARTMENT: PAEDODONTICS AND PREVENTIVE DENTISTRY

S. No.	NAME	SPECIFICATION	Quantity	Availability
1.	Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, and motorised suction, micromotor attachment with contra angle miniature handpiece, airotor attachment with miniature handpiece, dental operator stool (40% dental chairs shall be pedo chairs)	One chair per post-graduate student and two for faculty per Unit	11
2.			1 Unit	2 Units


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3.	Pedo extraction forceps sets		3	4	3
4.	Autoclaves for bulk instrument sterilization vacuum (Front loading)		1	2	1
5.	RVG with intra oral x-ray unit		1	1	1
6.	Automatic developer		1	1	1
7.	Pulp tester		2	3	2
8.	Apex locator		1	1	1
9.	Rubber dam kit	One set per student	1	1	9 (1 per PG)
10.	Injectable GP condenser		1	1	1
11.	Endodontic pressure syringe		1	1	1
12.	Glass bead steriliser		2	4	2
13.	Spot welder		2	3	2
14.	Ultrasonic scalers		2	4	2
15.	Needle destroyer		1	1	1
16.	Formalin chamber		1	1	1
17.	Ultrasonic cleaner capacity 3.5 lts		1	1	1
18.	X-ray viewer		2	3	2
19.	Amalgamator		1	2	1
20.	Plaster dispenser		2	2	2
21.	Dental lathe		1	2	1
22.	Vibrator		2	3	2
23.	Typodonts	One set per P.G. Student for 1 st year only	1 per PG	1 per PG	1 set per PG
24.	Soldering unit		1	1	1
25.	Band pinching beak pliers		2 Sets	2 Sets	2 Sets
26.	Proximal contouring pliers		2	3	2
27.	Crown crimping pliers		2	3	2
28.	Double beak pliers anterior and posterior		2	3	2
29.	Lab micro motor		2	3	2
30.	Acryliser		1	2	1
31.	Magnifying loupes		1	1	1
32.	Conscious sedation unit	Desirable	1	1	1
33.	Pulse oxymeter		1	1	1
34.	Phantom head table with attached Light, Airtor and micro motor	One set per P.G. Student for 1 st year only	1 per PG	1 per PG	3 (1 per PG)
35.	Computer with internet connection with attached printer and scanner		1	1	1
36.	LCD projector		1	1	1
37.	Refrigerator		1	1	1


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EQUIPMENTS

DEPARTMENT: PERIODONTOLOGY


S. No.	NAME	SPECIFICATION	Quantity		Availability
1.	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	
2.	Autoclave (fully automatic) front loading		1	2	1
3.	Steel bin		4	6	4
4.	Airoter hand pieces		2	2	2
5.	UV chamber		1	1	1
6.	Formalin chamber		1	1	2
7.	W.H.O probe		2	2	3
8.	Nabers probe		2	2	2
9.	Williams probe		2	2	5
10.	UNC-15 probe		4	4	5
11.	Gold Man fox probe		1	1	3
12.	Pressure sensitive probe		1	1	1
13.	Marquis color coded probe		1	1	1
14.	Supra gingival scalers	Set	2	2	2
15.	Sub gingival scaler	Set	2	2	2
16.	Arkansas sharpening stone		1	1	1

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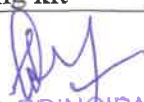
Surgical Instruments					
1.	Routine surgical instrument kit (Benquis periosteal elevator, periosteal)	Set	2	3	3
2.	Surgery trolleys		6	6	6
3.	X ray viewer		1	2	2
4.	Surgical cassette with sterilisation pouches		4	6	4
5.	Electro surgery unit		1	1	1
Special Surgical Instruments					
1.	Kirkland's knife		1	1	2
2.	Orban's knife		1	1	2
3.	Paquette blade handle		1	1	1
4.	Krane kaplan pocket marker	Set	1	1	1
5.	Mc Calls universal curettes	Set	1	1	1
6.	Gracey's curettes (No.1-18)	Set	2	2	4
7.	Mini five curettes	Set	1	1	1
8.	Cumine scaler		1	1	3
9.	Mallet		1	1	2
10.	Chisel		1	1	1
11.	Oschenbein chisel		1	1	1
12.	Schluger bone file		1	1	1
13.	Bone fixation screw kit	Optional	1	1	1
14.	Bone scrapper	Optional	1	1	1
15.	Bone trephines for harvesting autografts	1 Set Optional	1	1	1
16.	Bone regenerative materials	Bone graft and GTR membranes	5	5	5
17.	Local drug delivery systems	At least two	1 each	1	2


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		different drugs delivery agents			
18.	Root conditioning agent	At least two different agents	2	2	2
19.	Micro needle holder		1	1	2
20.	Micro scissors		1	1	2
21.	Magnifying loop (2.5 – 3.5)		1	2	1
22.	Operating microscope	Optional	1	1	--
23.	3 rd generation digital probe	Optional	1	1	--
24.	Bone expander and bone crestor	Optional	1	1	1
25.	Distraction osteogenesis kit	Optional	1	1	--
26.	Bone mill	Optional	1	1	1
27.	Bone graft / membrane placement spoon		1	1	1
28.	Bone condenser		1	1	2
29.	Peizo-surgery unit	Optional	1	1	--
30.	Centrifuge for PRP/PRF preparation	Optional	1	1	1
31.	Soft tissue laser (8 watt)		1	1	1
32.	Osteotome	Set Optional	1	1	1
MISCELLANEOUS INSTRUMENTS					
1.	Composite gun with material kit		1	1	1
2.	Splinting kit with material		2	3	1
3.	Composite finishing kit		1	1	1
4.	Glass Ionomer filling instruments		1	1	1
5.	Digital camera		1	1	1
6.	Intra Oral camera		1	1	1
7.	Ultrasonic cleaner		1	1	1


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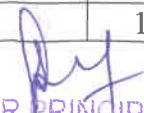
8.	Emergency kit		1	1	1
9.	Refrigerator		1	1	1
10.	X-ray viewer		2	2	2
11.	LCD projector		1	1	1
12.	Computer with internet connection with attached printer and scanner		1	1	2
	<u>Implant Clinic Equipments</u>				
13.	Electrical dental chair and unit		1	1	1
14.	Physio dispenser		1	1	1
15.	Implant kit	At least two different systems	2	2	2
16.	Implants		10	10	30
17.	Implant maintenance kit (plastic instruments)		1 set	1 set	1 set
18.	Implant guide		1	1	1
19.	X-ray viewer		1	2	1
20.	Needle destroyer		1	2	2
21.	Ultrasonic cleaner capacity 3.5 lts		1	1	1
22.	Autoclave programmable for all recommended cycles		1	1	1
23.	RVG with x-ray machine		1	1	1
24.	Refrigerator		1	1	1
25.	Surgical kit		2	2	2
26.	Sinus lift kit		1	1	1
27.	Educating models		1	1	3
28.	Implant removing kit		1	1	1


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DEPARTMENT: PROSTHODONTICS AND CROWN & BRIDGE

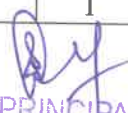
S. No.	NAME	SPECIFICATION	Quantity		Availability
1.	Electrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airtor attachment with handpieces.	One chair and unit per PG student and two chairs with unit for the faculty.		12
			1 Unit	2 Units	
2.	Articulators – semi adjustable/ adjustable with face bow		6	12	6
3.	Micromotor – (Lab Type can also be attached (fixed) to wall		2	4	10
4.	Ultrasonic scaler		2	2	4
5.	Light cures		2	2	5
6.	Hot air oven		1	1	1
7.	Autoclave (front loading)		2	2	2
8.	Surveyor		2	2	2
9.	Refrigerator		1	1	2
10.	X-ray viewer		1	2	5
11.	Pneumatic, Crown bridge remover		2	3	2
12.	Needle destroyer		1	2	2
13.	Intra oral camera		1	1	1
14.	Digital SLR camera		1	1	1
15.	Computer with internet connection with attached printer and scanner		1	1	1
16.	LCD projector		1	1	1
Clinical Lab for Prosthetics					
1.	Plaster dispenser		2	2	2
2.	Model trimmer with carborandum Disc		1	2	2
3.	Model trimmer with diamond disc		1	2	2
4.	High speed lathe		2	3	6
5.	Vibrator		2	4	3
6.	Acrylizer		1	2	2
7.	Dewaxing unit		1	2	3
8.	Hydraulic press		1	1	1
9.	Mechanical press		1	1	2
10.	Vacuum mixing machine		1	1	2
11.	Micro motor lab type		2	3	5
12.	Curing pressure pot		1	1	1


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13.	Pressure molding machine		1	1	1
Chrome – Cobalt Lab Equipment					
1.	Duplicator		1	1	1
2.	Pindex system		1	1	1
3.	Burn-out furnace		1	1	4
4.	Welder		1	1	1
5.	Sandblaster	Micro and macro	1	1	3
6.	Electro – polisher		1	1	1
7.	Model trimmer with carborandum disc		1	1	2
8.	Model trimmer with diamond disc		1	1	2
9.	Model trimmer with double disc (one Carborandum and one diamond disc)		1	1	2
10.	Casting machine, motor cast with the safety door closure, gas blow torch with regulator		1	1	1
11.	Dewaxing furnace		1	1	4
	Induction casting machine with vacuum pump, capable of casting titanium chrome cobalt precision metal		1	1	1
12.	Spot welder with soldering, attachment of cable		1	1	1
13.	Steam cleaner		1	1	1
14.	Vacuum mixing machine		1	1	2
15.	Spindle grinder 24,000 ROM with vacuum suction		1	1	3
16.	Wax heater		2	3	2
17.	Wax carvers (Full PKT Set)		2	3	2
18.	Milling machine		1	1	1
19.	Stereo microscope		1	1	1
20.	Magnifying work lamp		1	1	2
21.	Heavy duty lathe with suction		1	1	1
22.	Preheating furnace		1	1	1
23.	Dry model trimmer		1	1	1
24.	Die cutting machine		1	2	1
25.	Ultrasonic cleaner		1	1	2
26.	Composite curing unit		1	1	5
Ceramic Lab Equipment					
1.	Fully programmable porcelain furnace with vacuum pump		1	1	2
2.	Ceramic kit (instruments)		3	3	6
3.	Ceramic materials (kit)		1	1	1
4.	Ceramic polishing kit		2	2	2


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Implant Equipment					
1.	Electrical dental chair and unit		1	1	1
2.	Physio dispenser		1	1	1
3.	Implant kit	Minimum 2 systems	2	2	5
4.	Implants		10	10	100
5.	Prosthetic components		10	10	500
6.	Unit mount light cure		1	2	1
7.	X-ray viewer		1	2	5
8.	Needle destroyer		1	2	2
9.	Ultrasonic cleaner capacity 3.5 lts		1	1	2
10.	Autoclave programmable for all recommended cycles		1	2	1
11.	X-ray machine with RVG		1	1	1
12.	Refrigerator		1	1	1
13.	Surgical kit/prosthetic kit		2	2	2
14.	Educating models		1	1	3
15.	Implant removing instruments		1	1	1


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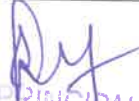
EQUIPMENTS

DEPARTMENT : PUBLIC HEALTH DENTISTRY

S. No.	NAME	SPECIFICATION	Quantity	Availability	
	Instruments in the department for Comprehensive Oral Health Care Programme				
1.	Dental chairs	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment with contra angle handpiece, airoter attachment, ultrasonic scaler (Piezo) with detachable autoclavable hand piece with min 3 tips.	One chair per post-graduate student and two for faculty per Unit	11	
			1 Unit	2 Units	
2.	Extraction forceps		4 sets	6 sets	4 set
3.	Filling instruments		4 sets	6 sets	4 set
4.	Scaling instruments	Supra gingival scaling	4 sets	6 sets	4 sets
5.	Amalgamator		1	1	1
6.	Pulp tester		1	1	2
7.	Autoclave		1	1	1
8.	X-ray viewer		1	1	2
9.	Instrument cabinet		1	1	1
10.	LCD or DLP multimedia projector		1	1	1
11.	Computer with internet connection with attached printer and scanner		1	1	1
12.	Refrigerator		1	1	1
	For peripheral dental care or field programme				


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13.	Staff bus		1	1	1
14.	Mobile dental clinic fitted with at least 2 dental chairs with complete dental unit with fire extinguisher		1	1	2
15.	Ultrasonic scaler,		1	2	2
16.	Ultrasonic cleaner capacity 3.5 lts		1	1	1
17.	Compressor	One with chair			2
18.	Generator		1	1	1
19.	Public address system, audio-visual aids		1	1	1
20.	Television		1	1	1
21.	Digital Versatile Disc Player		1	1	1
22.	Instrument cabinet, emergency medicine kits, Blood pressure apparatus		1	1	2
23.	Portable oxygen cylinder		1	1	2
24.	Portable chair		1	1	2


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