EQUIPMENT REQUIREMENTS

As per Revised BDS Course Regulations, 2007

Department: Oral Medicine and Radiology

	nt: Oral Medicine and Radiology		ntity	Available	Adequate /
Name	Specification	50 Intake	100 Intake	Quantity	Inadequate
	(Space allocation for each dental chair 100 Sq.Ft. in all the Departments)				
Dental Chairs and	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, Air Ventry Suction, X-Ray viewer, 3 way syringe, instrument tray, Dental	6	12	15	
	Operator's Stool with height adjustment				
Panoramic X-Ray with Cephalometric	Preferably digital	1	1	1	
Intra Oral X-ray	70 KV, 8 mA, high frequency preferably Digital timer	2	3	4	
	Digital			7	
Automatic periapical X-ray Developer	Digital	1	1	2	
Automatic Panoramic with Cephalometric X- ray Developer		1	1	1	
X-ray viewer	For Panoramic and Cephalometric films	2	2	10	
Radiovisiography	Digital Intra X-ray system with one Sensor and Software	1	1	1	
General X-ray Unit		1	1	1	
Ortho Pantmograph	Preferably digital	1	1	1	
Automatic velopers / Dark Room		1	2	2	
		2	2	5	
Lead aprons		1	1	1	
Lead Gloves		6	6	10	
X-ray Hangers X-ray Viewers		2	2	10	
	Mouth mirror, dental probe, college tweezers	20	40	125,141,9	9
Diagnostic Kits Lead Screen	Model military deliter p. 2007 22-20	1	1	6	
Biopsy Kit		1.	1	2	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	
Computers	Minimum Pentium – IV	1	1	8	
Intra Oral Camera	With High resolution	1	1	3	
Needle Burner with Syringe Cutter	r	2	2	2.	

DEAN

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Nagpur-440019
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Department: Oral Pathology and Oral Microbiology

Department: Oral Pathology and Oral Microbiology		Quantity		Available	Adequate /
Name	Specification	50 Intake	100 Intake		
Dental Chairs and	With shadowless lamp, spittoon, 3 way syringe,	1	2	2	
Units	instrument tray and suction	20	40	50	
Microscopes		1	1	2	
Microtome		1	1	1	
Wax bath		1	1	2	
Water bath		1	1	1	
Knife sharpener		1	1	2	
Hot plate		1	1	1	
Spencer Knife		1			-

Department: Public Health Dentistry

Light with 2 intensity, Air Ventury 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, airotor, light cure Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters Ultrasonic Minimum capacity 13 litres with mesh bucket with digital timer Needle burner with syringe cutter MOBILE CLINIC Mobile dental wan 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 Intraoral x-ray Portable, 70 KV, 8 mA 1	100 Intake 16 2 2 4	Quantity	y Inadequate
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, airotor, light cure Autoclaves Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters Minimum capacity 13 litres with mesh bucket with digital timer Needle burner with syringe cutter MOBILE CLINIC Mobile dental an attachments and adequate sitting space for 15 to 20 people Dental chair with 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 Lintraoral x-ray Portable, 70 KV, 8 mA 1 2	2	2 2	
Having wet and dry cycle, which can achieve 135 C with minimum capacity of 20 liters Minimum capacity 13 litres with mesh bucket with digital timer Needle burner with syringe cutter MOBILE CLINIC Mobile dental Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people Dental chair with unit Dental chair with allogen 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, 70 KV, 8 mA 1	2	2	
Minimum capacity 13 litres with mesh bucket with digital timer Needle burner with syringe cutter MOBILE CLINIC Mobile dental attachments and adequate sitting space for 15 to 20 people Dental chair with unit 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 Intraoral x-ray Portable, 70 KV, 8 mA 1 Glass bead			
Needle burner with syringe cutter MOBILE CLINIC Mobile dental Mobile dental van with two dental chairs with all the attachments and adequate sitting space for 15 to 20 people Dental chair with unit Dental chair with 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 Intraoral x-ray Portable, 70 KV, 8 mA 1	4	4	
MOBILE CLINIC Mobile dental 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 Intraoral x-ray Portable, 70 KV, 8 mA 1 Glass bead			
Mobile dental 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 Intraoral x-ray Portable, 70 KV, 8 mA 1 Glass bead			
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 Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters Intraoral x-ray Portable, 70 KV, 8 mA 1			
Autoclaves Having wet and dry cycle, which can achieve 135 C with minimum capacity of 20 liters Intraoral x-ray Portable, 70 KV, 8 mA 1 Glass bead		2	
Intraoral x-ray Portable, 70 KV, 8 mA 1	1	1	
Glass bead	1	1 1	
	1	1 1	
sterilisers 1	1	1 1	
Compressor 1.25 HP 1	1	1 1	
Metal Cabinet With wash basin Portable dental Suitcase unit with airotor, micromotor, scaler and 2	2	2 2	
chair compressor 0.25 HP	1	1 1	
Stabiliser 4 KV	1	1 1	-
Generator 4 KV		1 1	36
Water tank 400 ltrs		1 1	
Oxygen cylinder Public address RANJEET DESHMUKH DENTAL 1	1	1 1	

system TV and video	1	1	1	
Demonstration	1	1	10	
models				

Departmen	nt: Paediatric and Preventive Dentistry	Quai	ntity	Available	Adequate /
Name	Specification	50 Intake	100 Intake	Quantity	Inadequate
Units L	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	10	20	20	
utoclaves	preferred) Having wet and dry cycle, which can achieve 135°C	1.	2	2	
Jltrasonic	with minimum capacity of 20 liters Minimum capacity 13 liters with mesh bucket with	1	2	2	
Needle Burner with syringe	digital timer	2	3	3	
cutter		1	1	1	
Amalgamator Pulp Tester		1	1	1	
Digital Rubber dam kit		3	5	5	
for pedo		1	1	1	
Apex locator	. 100-	1	1	1	
Endo motor Injectable gutta ercha with		1	1	1	
condensation Radiovisiography	Digital intra X-ray system with pedo sensor and software	1	1	1	
L L Owel Compre	With high resolution	1	1	1	
		5	10	10	
Scale instruments Restorative		5	10	10	
instruments Extraction		5	10	10	
forceps		1	1	1	
Intra-oral X-ray Automatic		1	1	- 1	
Developer	Minimum Pentium – IV	1	1	1	
Computer	PEDO LAB				
	I take plaster	2	2	2	
Plaster dispenser	With diamond disc	1	1	1	
Model Trimmer	Double disc one diamond and one carborandam dis	sc 1	1	1	26
Model Trimmer Welder with soldering attachments	1/	1.		1	

Villandana		2	2	2	
Vibrator	II. and duty with Hns	2	3	3	
Lab micro motor	Heavy duty with Hps	1	1	1	
Dental Lathe		1	1	1	
Model Trimmer		4	1	1	
Steam cleaner		1	1	1	
Pressure moulding machine		1	1	1	
Carborandum disc		1	1	1	
Diamond disc		1	1	1	

Department: Orthodontics

	ent: Orthodontics	Qua	ntity	Available	Adequate /
Name	Specification	50 Intake	100 Intake	Quantity	
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		18	18	
Jnit mount scaler		3	5	5	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	1	2	2	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket with digital timer	1	2	2	
ORTHO LAB				2	
Plaster dispenser	One each for plaster and stone plaster	2	2	2	
Vibrator		2	2	2	
Model Trimmer		1	2	2	
Micromotor	Heavy duey	2	4	4	
Lathe		1	2	2	
X-ray viewers		2	2	2	
OPG with	If available in radiology its is adequate	1	1	1	
Welders		2	4	4	
Blue Torch		1	1	1	
Base Formers		2	4	4	
Typodont		2	4	4	
Set of pliers		5	10	10	
Welder with soldering attachments		1	1	1	
AND		1	1	1	
Hydro solder Typhodont	With metal teeth wax rim of Class I, II, III	3	4	4)
Pressure moulding machine	Da	1	1	1	

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Department: Periodontology

Departine	ent: Periodontology Specification	Quantity		Available	Adequate /
Name		50 Intake	100 Intake	Quantity	Inadequate
Inite	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		34	34	
Scaling	adjustment	5	10	12	
nstrument sets		_ 3	6	6	
Surgical instrument sets				1	
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	4	
soalor	Minimum capacity 13 litres with mesh bucket	1	2	2	
Trasonic scaler Erectro surgica		1	1	2	
cautery Needle burner with syringe		4	6	6	
cutter	Soft tissue laser	1	1	1	
Surgical moto with physic dispenser	r	1	1	2	

Department: Conservative Dentistry and Endodontics

Departine	Specification	Quantity		Available	Adequate /
Name		50 Intake	100 Intake	Quantity	Inadequate
nits	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	
	adjustment	4	6	6	
Rubber dam kits Restorative		5	10	10	
instruments kits R.C.T. instrument		5	10	10	
kits Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	3	3	
Ultrasonic	Minimum capacity 13 litres with mesh bucket	1	2	2	
cleaner Needle Burner with Syringe		3	4	4	-
Cutter	With auto proportion, auto dispenser	2	3	3	1
Amalgamator Rubber dam kits	RANJEET DESHMUKH DENTA	4	6	6	

Chemical Laboratory

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

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Department: Oral & Maxillofacial Surgery

A) Exodontia

Name	Specification	Qua	ntity	Available	Adequate /
		50 Intake	100 Intake	Quantity	Inadequate
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		30	30	4
Autoclave	Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters	2	2	4	
Ultrasonic cleaner	Minimum capacity 13 litres with mesh bucket	1	2	2	
Needle Burner with Syringe Cutter		4	6	6	
Extraction ceps sets	Complete set	10	20	20	
Dental elevators	Complete set	5	10	10	1
Minor Oral Surgery kits		3	6	6	
Emergency drugs tray		1	1	1	
Oxygen cylinder with mask		1	1	1	
X-ray viewers		2	2	6	
Computer	Minimum Pentium – IV	1	1	4	

B) Minor Surgery

Name Sp		Quantity		Available	Adequate /
	Specification	50 Intake	100 Intake		Inadequate
units	Electrically operated, Spittoon attachment, Halogen Light with 2 intensity, high power evaculation 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.		5	5	

Department: Prosthodontics and Crown & Bridge

			Quantity		Adequate /
Name Spec	Specification	50 Intake	100 Intake	Available Quantity	THE PROPERTY OF THE PARTY OF TH
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		34	34	
Semi-adjustable articulator	With face bow	2	2	2	
Extra oral / intra	RANJEET DESHMUKH DENTAL COLLEGE & RESEARCH CENTE		2	2	

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Ceramic and Cast Partial Laboratory

	loratory	Quantity		Available	Adequate /
Name	Specification	50		Quantity	Inadequate
		Intake	Intake	Quantity	
laster dispenser	One each for plaster and stone plaster	2	2	2	
Duplicator	•	1	1	1	
Pindex System		1	1	1.	
Circular saw		1	1	1	
Burnout furnace		1	1	1	
Sandblasting Machine	With two containers	1	1	1	
Electro polisher		1	1	1	
Model Trimmer with Carborandum		1	1	1	
disc Model Trimmer with diamond disc		1	1	1	
		1	1	1	1
Induction casting machine Programmable porcelain furnace with		1	1		
vacuum pump with instrument kit and				1	
nterial kit Spot welder with soldering attachment		1	1	1	
of cable		1	1.	1	
Vacuum mixing machine		1	1	1	
Steam Cleaner Spindle Grinder 24000 rpm with		1	1	1	
vacuum suction	0	1	1	1	
Wax heater		1	1	1	
Wax carver		1	1	1	
Curing pressure pot		1	1	-	
Milling machine		1	1	1	
Heavy duty lathe with suction		1	1	1	
Preheating furnace		1	1	i	
Palatal trimmer		-	1	1	
Ultrasonic cleaner	5 liters capacity	1	1	i	
Composite curing unit		1	1	+	
Micro surveyor		1	60		
re-clinical Prosthetic Laboratory	Work table preferably complete stainless steel fitted with light, Bunsen burner, ai	d	20	60	1
	blower, working stool. Adequate number of lab micro motor with attached hand piece.	o d		20	
Plaster room for pre-clinical work		-	2	2	
Plaster dispenser	One each for plaster and stone		2	2	
Vibrator		2	2	2	
Lathe		2	2	1	
Model Trimmer		1	1		
Carborandum Disc		1	1	1	
Diamond disc		1	1	1	

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EQUIPMENT REQUIREMENTS

As per MDS Course Regulations, 2017

Department	Prosthodontics	and	Crown	& Bridge
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Name	Specification		Quantity		Quantity		Adequate / Inadequate
ectrical Dental Chairs and Units	With shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor and airotor attachment with handpieces	unit per PG student and two chairs		20			
		-1 Unit	2 Units				
articulators — semi adjustable/ adjustable with face bow		6	12	12			
Aicromotor – (Lab Type can also be attached fixed) to wall		2	4	4			
trasonic scaler		2	2	2			
		2	2	2			
ight cures		1	1.	1			
Hot air oven		2	2	2			
Autoclave		2	2	2			
Surveyor		1	1	1			
Refrigerator		1	2	2			
K-ray viewer		2	3	3			
Pneumatic, Crown bridge remover		1	2	2			
Needle destroyer *		1	1	1			
ntra oral camera		1	1	1			
Digital SLR camera		1	1				
Computer with internet connection with	1			l.			
attached printer and scanner		1	1	1			
LCD projector	h atian	-					
Clinical Lab for Prost	netics	2	2	2			
Plaster dispenser		1	2	2			
lodel trimmer with carborandum Disc		1	2	2			
Model trimmer with diamond disc		2	3	3			
High speed lathe			4	4			
Vibrator		2	2	2			
Acrylizer		1	2	2			
Dewaxing unit		1	_	1			
Hydraulic press		1	1	1			
Mechanical press		1	1	1			
Vacuum mixing machine		1	1	3			
Micro motor lab type		2	3	1			
Curing pressure pot		1	1	- 1			
Pressure molding machine		1	1				
Chrome - Cobalt Lab Ec	luipment		-	1			
Duplicator		1	1				
Pindex system	N-	1	1	1			
Burn-out furnace		1	1	1			
Welder	4	11	1	1	-30		
Sandblaster	Micro and macro	1	1	1			
Electro – polisher	DEAN RANJEET DESHMUKH DENTA	1	1	1			

		1	1	1	
Nodel trimmer with diamond disc		1	1		
Model trimmer with double disc (one				1	
arborandum and one					
liamond disc)		1	1		
Casting machine, motor cast with				1	
he safety door closure, gas blow torch with					
egulator		1	1	1	
Dewaxing furnace		1	1		
nduction casting machine with vacuum				1	
oump, capable of casting		1 3			
itanium chrome cobalt precision metal		1	1		
Spot welder with soldering, attachment of				1	
cable		1	1	1	
Steam cleaner		- 1	1	1	
Vacuum mixing machine		1	1		
Spindle grinder 24,000 ROM with vacuum				1	
suction		2	3	3	
Wax heater		2	3	3	
'ax carvers (Full PKT Set)		1	1		
Milling machine		-	1		
Stereo microscope		1	1	1	
Magnifying work lamp		1	1	1	
Heavy duty lathe with suction		1	774	1	
Preheating furnace		1	1	1	
Dry model trimmer		1	1	2	-
Die cutting machine	A	1	2	1	
Ultrasonic cleaner		1	1	1	
Composite curing unit		1	1	1	
Ceramic Lab Equipme	ent				
Fully programmable porcelain furnace with		1	1	1	
vacuum pump					
Ceramic kit (instruments)		3	3	3	
Ceramic materials (kit)		1	1	1	
Ceramic polishing kit		2	2	2	
Implant Equipmen	t				
electrical dental chair and unit		1	1	1	
Physio dispenser		1	1	1	
Implant kit	Minimum 2 systems	2	2	2	
Control of the Contro		10	10	10	
Implants Prosthetic components		10	10	10	
Unit mount light cure		1	2	2	
		1	2	2	
X-ray viewer		1	2	2	
Needle destroyer Ultrasonic cleaner capacity 3.5 lts		1	1.	1	
The state of the s		1	2		
Autociave programmasis					
recommended cycles		1	1	ì	
X-ray machine with RVG		1	1	1	
Refrigerator		2	2	2	
Surgical kit/prosthetic kit	1	1	1	1	
Educating models	1	1	1	1	

Department: Periodontology					
Name	Specification	Quar	ntity	Available Quantity	Adequate / Inadequate
Dental Chairs and Units	with shadowless lamp, spittoon, 3 way syringe,	unit pe	graduate		
	handpiece,airoter attachment, ultrasonic scaler (Piezo) with	with u the facu	chairs nit for ulty		
	detachable autoclavable hand piece				
		1 Unit	2 Units	-	
rito clave (fully automatic) front loading		1	2	3	
ceel bin		4	6	6	1
Airoter hand pieces		2	2	9	
UV chamber		1	1	2	
Formalin chamber		1	1	1	-
W.H.O probe		2	2	2	
Nabers probe		2	2	2	
Williams probe	A	2	2	2	
UNC-15 probe		4	4	4	
Gold Man fox probe		1	1	1	
Pressure sensitive probe		1	1	2	
Marquis color coded probe		1	1	1	
Supra gingival scalers	set	2	2	2	
Sub gingival scaler	set	2	2	2	-14
Arkansas sharpening stone		1	1	11	
Surgical Instrume	nts				
Routine surgical instrument kit (Benquis eriosteal elevator, periotome)	set	2	3	6	
Surgery trolleys		6	6	12	
X ray viewer		1	2	5	
Surgical cassette with sterilisation pouches		4	6	6	
Electro surgery unit		1	1	1	
Special Surgical Instr	uments				
Kirkland's knife	set	1	1	1	
Orban's knife	set	1	1	1	
Paquette blade handle		1	1	1	
Krane kaplan pocket marker	set	1	1	6	
Mc Calls universal curettes	set	1	1	2	
Gracey's curettes (No.1-18)	set	2	2	2	
Mini five curettes	set	1	1	1	
Cumine scalar		1	1	1	
Mallet	V.	1	1	1	
Chisel	7	1	1	4	
Oschenbein chisel	straight, curved	1	1	1	30
Schluger bone file	DEAN	1	1	2	
D fivation scrow kit	TANKET DESHMIKH DENTA	L 1	1	1	
Bone scrapper C	OLLEGE & RESEARCH CENTE	RE 1	1	1	

Bone graft and GTR			5	
and a section of the				
membranes	5	5		
At least two different agents	1 each	1	2	
At least two different	2	2	2	
	1	1	4	
	1	1	2	
	1	2	2	
optional	1	1		
	1	1		
			-	
			1	
optional			3	
	-			
optional			1	
			1	
set optional	1	1	2	
nents				
	1	1		
	2	3	10	
	1	1	1	
	1	1	1	
		1	1	
			2	
			1	
			2	
			1	
			5	
			1	
			2	
k	1		3	
			2	
At least two different systems	2	2		
	10	10	10	
С	1 set	1 set	1	
	1	1	1	
	1	2	5	
	1	2	3	
	1	1	1	
11	1	1	1	
1	1	1	1	
1 De	_		1	-36
4 1		200		
mm + + +		4		
JEET DESHMUKH DENTAL	1	1		
	agents At least two different agents optional optional optional optional optional optional set optional ments At least two different systems c	At least two different agents 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	At least two different 2 2 agents	At least two different agents

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Department: Oral & Maxillofacial Surgery

Name	Name Specification Quan		Quantity		Adequate / Inadequate
Dental Chairs and Units	with shadowless lamp, spittoon, 3 way syringe,				
	instrument tray and high otorized suction, with micromotor and	Two with u	chairs nit for	11	
	micro motor attachment				
Contract to the contract of th	* 11 P	1 Unit		4	
Autoclave	Front loading	2	3	1	
Fumigators		1	1	2	
Oscillating saw	With all hand pieces	1	1	4	
Surgical Instruments	3		_	2	
neral surgery kit including tracheotomy kit		2	2	2	
Minor oral surgery kit		5	10	10	
Osteotomy kit		1	1	1	
Cleft surgery kit		1	1	1	
Bone grafting kit		1	1	1	
Emergency kit		1	1	2	
Trauma set including bone	A	2	2	2	
Plating kit		1	1	1	
Implantology kit	Minimum 2	2	2	2	
With implants	systems	10	10	10	
Distraction osteogenesis kit		1	1	1	
Peizo surgical unit		1	1	1	
Magnifying loops		1	1	2	
Operating microscope and Microsurgery kit	desirable	1	1		
Dermatomes		1	1	1	
Needle destroyer		2	3	5	
trasonic Cleaner capacity 3.5 lts		1.	1	2	
Formalin chamber		1	1	1	
Pulse oxymeter		1	1	1	
Ventilator		1	1		
Major operation theatre with all facilities		1	1		
Recovery and Intensive Care Unit with all necessary life support		2 beds	2 beds		
equipments Fibraphtic light		1	1	1	
Fibrooptic light		20	20		
Inpatient beds		1	1	2	
Fiber optic laryngoscope Computer with internet connection with attached printe	r	1	1.	1	
and scanner					
	1	1	1.	1	
LCD projector		1	1	1	- 1
Refrigerator	10				

Department: Conservative Dentistry and Endodontics

Name	e Specification		ntity	Available Quantity	Adequate / Inadequate
	with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction,	tray and student and suction, two chairs airotor with unit fo			
		1 Unit		2	
ENDOSONIC HANDPIECES –		2	3	3	
Micro endosonic Tips, retro treatment				-	
Mechanised rotary instruments including hand pieces (speed and torque control) and hand instruments warious systems		3	6	6	
abber dam kit		1 per chair	18	18	
Autoclaves for bulk instrument sterilization vacuum (Front loading)		2	3	3	
Autoclaves for hand piece sterilization		1	1	1	
Apex locators one for every two chairs	A	2	4	4	
Pulp tester		2	4	4	
Equipments for injectable thermoplasticized	E E	1	2	2	
gutta percha Operating microscopes 3 step or 5 step magnification		1	1	1	
Surgical endo kits (Microsurgery)		2	2	2	
Set of hand instruments (specifications required)		1	2	2	
Sterilizer trays for autoclave		4	4	4	
trasonic cleaner capacity 3.5 Its		1	1	1	
Variable Intensity polymerization equipments - VLC units	Desirable	1	1	1	
Conventional VLC units one for every two chairs		2	4	4	
Needle destroyer		2	2	2	
Magnifying loupes one for students and one for faculty		1	2	2	
LCD projector		1	1	1	
Composite kits with different shades and polishing kits		2	4	4	
Ceramic finishing kits, metal finishing kits	In ceramic labs	2	3	3	
Amalgam finishing kits		2	3	3	
RVG with x-ray machine developing kit		1	1	1	
Chair side micro abrasion	1	1	1	1	
Bleaching unit	0	1	1	1	-56
Instrument retrieval kits	4	1	1	1	
Computer with internet connection with attached printer and scanner	DEAN RANJEET DESHMUKH DEN COLLEGE & RESEARCH CEI	TAL 1	1	1	

Refrigerator	1	1	1	
Equipments for casting procedures	3.00			
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	1	1	
Face bow with semi adjustable articulator	1	2	2	

Name	Specification	unit per PG		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadow less lamp, spittoon, 3 way syringe, instrument tray and motorized suction				
		1 Unit	2 Units		
Vacuum /pressure moulding unit		1.	1	1	
Hydrogen soldering unit		1	1	1	
Lab micromotor		3	5	5	
Spot welders		3	5	5	
Model trimmer (Double disc)		2	3	3	
Light curing unit		2	2	2	
High intensity light curing unit		1	2	2	
Polishing lathes		2.	3	3	
Tracing tables		3	5	5	
SLR digital camera		1	1	1	
Scanner with transparency adapter		1	1	1	
ay viewer		3	4	4	
LCD projector		1	1.	1	
Autoclaves for bulk instrument Sterilization vacuum (Front loading)		1	1	1	
Needle destroyer		1	1.	1	
Dry heat sterilizer		1	1	1	
Ultrasonic scaler		1	1	1	
Sets of Orthodontic pliers		3	3	3	
Orthodontic impression trays		3	5	5	
Ultrasonic cleaner capacity 3.5 Its		1	1	1	
Electropolisher		1	1	- 1	
Typodonts with full teeth set		3	3	3	
Anatomical articulator with face bow attachments	/	1	1	1	
Free plane articulators		1	1	1	
Hinge articulators		4	4	4	
Computer software for cephalometrics		1	1	1	-2
Computer with internet connection with attached printer and	DEAN RANJEET DESHMUKH DENTA OLLEGE & RESEARCH CENT		1	1	

Department: Oral & Maxillofacial Pathology and Oral Microbiology

Name	Specification	Quar	ntity	Available Quantity	Adequate / Inadequate
		1 Unit	2 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.			7.	Available	
Adequate tissue capsules	Reasonable quantity			Available	
/ tissue embedding cassettes	should be made available			(25-30)	
Paraffin wax bath	thermostatically controlled	1	1	1	
ickhart pieces		10	10	10	
Block holders		25	25	25	
Microtome	Manual	1	1	1	
Microtome	semi – automated	1	1	1	
Tissue floatation water bath	thermostatically controlled	1	1	1	
Slide warming table		1	1	3	
Steel slide racks for staining	0	5	5	5	
Diamond glass marker		2	2	2	
Research microscope with phase contrast, dark field, polarization, image analyzer, photomicrography attachments		1	1	1	
Multi head microscope	Penta headed	1	1	1	
Binocular compound microscope			4 for faculty and one per student	10	
stereo microscope		1	1	1	
Aluminum slide trays		5	5	45	
Wooden / plastic slide boxes		5	5	15	
Wax block storing cabinet		5,000 capacity	10,000 capacity	10,000 capacity	
Slide storing cabinet		5,000 capacity	10,000 capacity	10,000 capacity	
Refrigerator		1	1	2	
Pipettes		5	5	5	
Surgical kit for biopsy		3	6	3	
Immuno histo chemistry lab		1	1	1	
Computer with Internet Connection with attached printer and scanner		1	1	4	
LCD projector		1	1	2	
Desirable Equipm	nent N			-	
Cryostat		1	1		
Fluorescent microscope	DEAN	1	1	1	

Tissue storing cabinet (frozen)	1	1	-	
Microwave	1	1	1	

Department: Public Health Dentistry

Name	Specification	Qua	intity	Available Quantity	Adequate / Inadequate
Dental Chairs	with shadowless lamp, spittoon, 3 way syringe, instrument tray and motorized suction, micromotor attachment	graduate student and one chair with unit for the faculty			
		1 Unit	2 Units		
Extraction forceps		4 sets	6 sets		
Filling instruments		4 sets	6 sets		
Scaling instruments	Supra gingival scaling	4 sets	6 sets		
Amalgamator		1	1		
Pulp tester		1	1		
Autoclave		1	1		
X-ray viewer		1	1		
Instrument cabinet		1	1		
LCD or DLP multimedia projector		1	1		
Computer with internet connection with attached printer and scanner		1	1		
For peripheral dental care or field	d programme				
Staff bus		1	1		
Noile dental clinic fitted with at least 2		1	1		
dental chairs with complete dental unit with fire extinguisher					
Ultrasonic scaler,		1	2		
Ultrasonic cleaner capacity 3.5 Its		1	1		
Compressor	One with chair				
Generator	10000000	1	1		
Public address system, audio-visual aids		1	1		
Television		1	1		
Digital Versatile Disc Player		1	1		
nstrument cabinet, emergency medicine		1	1		
kits, Blood pressure apparatus			*		
Portable oxygen cylinder		1	1		
Portable chair		1	1		
Refrigerator		1	1		-

Department: Paediatric and Preventive Dentistry

Name	Specification	Quantity		Available Quantity	Adequate / Inadequate
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 operater stool (40% dental chairs shall be pedo chairs)	unit p gradua studer Two with the fac	per post- ate nt and chairs unit for		
		1 Unit	2 Units		
Pedo extraction forceps sets		3	4	3	
oclaves for bulk instrument sterilization		1	2	1	
vacuum (Front loading)					
RVG with intra oral x-ray unit		1	1	1	
Automatic developer		1	1	1	
Pulp tester		2	3	2	
Apex locator		1	1	1	
Rubber dam kit	One set per student	1	. 1	1	
Injectable GP condenser		1	1	1	
Endodontic pressure syringe		1	1	1	
Glass bead steriliser		2	4	2	
Spot welder		2	3	2	
Ultrasonic scalers		2	4	2	
Needle destroyer		1	1	1	
Formalin chamber		1	1	1	
Ultrasonic cleaner capacity 3.5 Its		1	1	1	
X-ray viewer		2	3	2	
A Igamator		1	2	1	
Plaster dispenser		2	2 .	2	
Dental lathe		1	2		
Vibrator		2	3	2	
Typodonts	One set per student				
Soldering unit	One set per student	1	1	1	
Band pinching beak pliers		1	1	1	
Proximal contouring pliers		2 Sets	2 Sets	2 Sets	
Crown crimping pliers		2	3	2	
		2	3	2	
Double beak pliers anterior and posterior Lab micro motor		2	3	2	
Acryliser		2	3	-2	
Magnifying loupes		1	2	1	
Conscious sedation unit	Dociroble	1	1	1	
Pulse oxymeter	Desirable	1	1	1	
Phantom head table with	One get new sale	1	1	1	
The Control of the Market Control of the Control of	One set per each	1	1	1	-
	P.G. Student				
Computer with internet connection with attached printer and scanner	DEAN	1	1	1	
-CD projector RAI	WEET DESHAUKU DENTA	1	1	1	

Department: Oral Medicine and Radiology

Name	Specification	graduate student and one chair with unit for the faculty		Available Quantity	Adequate / Inadequate
Dental Chairs and Units	Electrically operated with shadowless lamp, spittoon, 3 way syringe, instrument tray and suction			17	
2000 100 100		The second secon	2 Units		
RVG with intra oral	55-70 Kvp with digital	1	1	1	
radiography machine (FDA Approved)	compatibility				
Extra oral radiography machine	100 kvp	1	1	1 ,	
Panoramic radiography (OPG) machine with halometric and TMJ attachment with printer		1	1	1	
Intra-oral camera		1	2	3	
Pulp tester	74-	2	4	7	
Autoclave		1	1	2	
Punch biopsy tool		2	3	2	
Biopsy equipment	0	1	2	2	
Surgical trolley		2	2	7	
Emergency medicines kit		1	1	1	
Extra oral cassettes with intensifying screens		4	6	3	
(Conventional and rare earth)					
Lead screens		2	2	6	
Lead aprons		2	2	5	
Lead gloves		2	2	2	
Radiographic filters (Conventional and rare earth)		1	1	1	
Dark room with safe light facility		1	1	1	
Accomatic radiographic film processors		2	2	2	
Radiographic film storage lead containers		1	1	1	
Thyroid collars		1	1	1	
Digital sphygmomanometer		1	1	1	
Digital blood glucose tester		1	1	1	
Digital camera		1	1	1	
X-ray viewer boxes		2	3	10	
Lacrimal probes		2 sets	2 Sets	14	
Sialography cannula		2 sets	2 Sets	2	
Illuminated mouth mirror and probe	1	2	2	5	
Computer with internet connection with	1) -6	1	1	1	
attached printer and scanner	7				
LCD projector	DEAN NJEET DESHMUKH DENTAL	1	1	2	
Deli Belgiui	LEGE & RESEARCH CRATER	1	1	1	

Digdoh Hills, Hingna Road, Nagpur-440019

Data verified by the Committee Members:

Member of LIC

Member of LIC

Member of LIC

Chairman of LIC