


4.2.1 Teaching hospital, equipment, clinical teaching learning and laboratory facilities as stipulated by the respective regulatory bodies.

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| SL.NO | DESCRIPTION | PAGE NUMBER |
|-------|--|-------------|
| 1. | Certificate of the Head of the institution | 01-03 |
| 2. | Any other relevant information | 04-21 |


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CERTIFICATE OF THE HEAD OF THE INSTITUTION

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DR VINOD KUMAR R.B, MDS

PRINCIPAL

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, our institution has teaching hospital, equipment's, clinical teaching, learning and laboratory facilities are as stipulated by the respective regulatory bodies , details are given below:

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ANY OTHER RELEVANT INFORMATION

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REQUIREMENTS AS PER DCI – BDS

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DEPARTMENT: PROSTHODONTICS AND CROWN & BRIDGE

| Name | Specification | Available |
|-------------------------------------|--|-----------|
| | | 34 |
| Dental Chairs and Units | As per specification | |
| 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 |
| LAB | | |
| 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 |
| Geyser | | 2 |
| Phantom heads | | 50 |
| Pre-clinical working tables | Gas connection & bunson burner | 100 |

CERAMIC AND CAST PARTIAL LABORATORY

| NAME | SPECIFICATIONS | Available |
|-------------------|--|-----------|
| Plaster Dispensor | 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 |
| 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 |

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

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DEPARTMENT : CONSERVATIVE DENTISTRY AND ENDODONTICS


| NAME | SPECIFICATIONS | 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 guttapercha | | 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 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 |

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DEPARTMENT : ORAL PATHOLOGY AND ORAL MICROBIOLOGY

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


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DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

A) EXODONTIA

| NAME | SPECIFICATIONS | Available |
|-----------------------------------|--|-----------|
| 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 appartus | | 2 |
| Stethoscope | | 2 |
| Thermometer | | 2 |
| Glucometer | | 2 |
| Oxygen cylinder | | 1 |
| Oxygen mask adult | | 2 |
| Oxygen mask Pedo | | 2 |
| Impaction kit | | 2 |
| Lab micromotor with handpiece | | 3 |
| Trauma kit | | 3 |
| High volume suction | | 1 |
| Surgical straight hand piece | | 2 |
| | | 4 |

B) MINOR SURGERY

| | | |
|-------------------------|----------------------|---|
| Dental Chairs and Units | As per specification | 5 |
|-------------------------|----------------------|---|

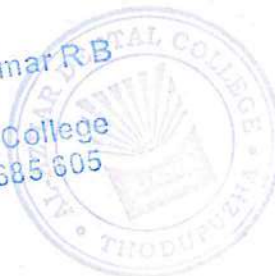
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DEPARTMENT : PERIODONTOLOGY


| NAME | SPECIFICATIONS | 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 | |
| Electro cauttery Kit | | 2 |
| Periodontal Surgical Kit | | 1 |
| | | 3 |

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DEPARTMENT : ORTHODONTICS

| NAME | SPECIFICATIONS | Available |
|-----------------------------------|--|-----------|
| 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 | 2 |
| Vibrator | | 2 |
| Model Trimmer | | 2 |
| Micromotor - | heavy duty | 4 |
| Lathe | | 2 |
| X-ray viewers | | 2 |
| OPG with cephalostat | If available in radiology its is adequate. | 1 |
| Welders | | 4 |
| Blue Torch | | 1 |
| Base Formers | | 4 |
| Typodont | | 4 |
| Set of Pliers | | 10 |
| Welder with soldering attachments | | 1 |
| Hydro solder | | 1 |
| Typodont articulator | With metal teeth wax rim of Class I, II, III | 4 |
| Pressure moulding machine | | 1 |
| Soldering torch | | 1 |
| Spot Welder | | 1 |


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DEPARTMENT : PAEDIATRIC AND PREVENTIVE DENTISTRY


| NAME | SPECIFICATIONS | Available |
|--|---|-----------|
| 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 guttapercha with condensation | | 1 |
| Radio visiography | 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 |
| Intra-oral X-ray | | 1 |
| RCT Instruments Kits | | 5 |
| Automatic Developer | | 1 |
| PEDO LAB | | |
| 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 |

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DEPARTMENT : ORAL MEDICINE AND RADIOLOGY.

| NAME | SPECIFICATIONS | Available |
|--|--|------------------|
| Dental Chairs and Units | As per specification | 12 |
| Panoramic X-Ray with Cephalometric | Preferably digital AERB Certified | 1 |
| Intra Oral X-ray Unit | AERB Certified | 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/ Dark Room | AERB Criteria | 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 |
| Diagnostic kit | | 25 |
| Biopsy Kit | | 2 |
| Sailography equipment & Kit | | 1 |


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DEPARTMENT: PUBLIC HEALTH DENTISTRY

| NAME | SPECIFICATIONS | 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 |

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

| | DEPARTMENT | SPECIFICATION | AVAILABLE |
|---|--|------------------------------------|-----------|
| A | DENTAL ANATOMY, DENTAL HISTOLOGY & ORAL PATHOLOGY LAB | | |
| 1 | Microscope | | 50 |
| 2 | Television | With USB port For displaying slide | 1 |
| 3 | Teaching slides set with box | | 3 |
| 4 | Education models & dental developmental set (Nissan like model) | | 3 |

| B | HISTOPATHOLOGY ROOM | | |
|---|----------------------------|------------------|-------|
| | Microtome | Manual/automatic | 1 |
| | Wax Bath | | 1 |
| | Water Bath | | 1 |
| | Knife Sharpener | | 1 |
| | Spencer Knife | | 1 |
| | Disposable Blade | | 1 set |
| | Hot Air Oven | | 1 |
| | Organic Tissue Capsule | Small | 2 |
| | Distilled Water Plant | | 1 |
| | Diamond Tip Pencil | | 1 |
| | Glass Dropper Bottle | | 5 |
| | Glass Bottle With Lid | | 5 |
| | Wide Mouth Bottles | | 5 |
| | Glass Funnel | | 5 |
| | Glass Pipette | | 5 |
| | Glass Measuring Jar | | 5 |
| | Petri Dish 4" Glass | | 5 |
| | L Blocks | | 3 |
| | Loop Holder | | 3 |
| | Magnifying Glass | | 1 |
| | Toothed Forceps | | 5 |
| | Plastic Dropper | | 5 |
| | Petri Dish 50mm Glass | | 5 |
| | Gas burner/Spirit Lamp | | 1 |
| | Processing Bottles | | 5 |
| | Slide Warming Table | | 1 |
| | Slide Drying Tray | | 1 |

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| | | | |
|----------|----------------------------|----------------------|---|
| | Slide Carrying Tray | | 1 |
| | Staining Basket SS | | 1 |
| | Staining Trough SS | Stainless steel | 1 |
| | Staining Trough Glass | | 1 |
| | Slide Staining Rack SS | Stainless steel | 1 |
| | Slide Box | | 1 |
| | Slides Storage Cabinet | | 1 |
| | Wax Block Storing Cupboard | | 1 |
| | Stop Watch | | 1 |
| C | | | |
| | Microscope –Trinocular | With all attachments | 1 |
| | Colour Printer | | |
| | Desktop Computer | | 1 |


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**REQUIREMENTS AS PER DCI – MDS
ORAL AND MAXILLOFACIAL SURGERY**

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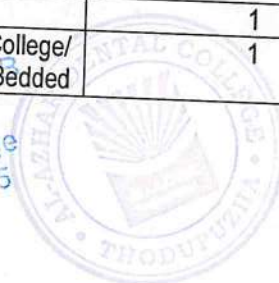


EQUIPMENTS :-

DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY (MDS)

| S.No. | NAME | SPECIFICATION | AVAILABILITY |
|-------|--|---|--------------|
| 1. | Dental Chairs and Units | Electrically operated with lamp, spittoon, 3 way syringe, instrument tray and high 1Motorized suction, with micromotor and air rotor attachment | 6 |
| 2. | Autoclave (If CSSD available 1 per Department sufficient) | | 1 |
| 3. | Fumigators | | 1 |
| 4. | Oscillating saw | With all hand pieces | 1 |
| 5. | Surgical instruments General surgery kit including tracheotomy kit | | 2 |
| | Minor oral surgery kit | | 5 |
| | Osteotomy kit | | 1 |
| | Cleft surgery kit | | 1 |
| | Bone grafting kit | | 1 |
| | Emergency kit | | 1 |
| | Trauma set including bone plating kit | | 1 |
| | Implantology kit, | | 2 |
| | Implantology system (if common implantology Dept. available not required) | | 1 |
| | Number of implants (if common implantology Dept. available not required) | | 2 |
| | | | 10 |
| 6. | Distraction osteogenesis kit | | 1 |
| 7. | Peizo surgical unit | | 1 |
| 8. | Magnifying loops | | 1 |
| 9. | Operating microscope and Microsurgery kit | desirable | 1 |
| 10. | Dermatomes | | 1 |
| 12. | Ultrasonic Cleaner capacity 3.5 lts | | 1 |
| 14. | Pulse oxymeter | | 1 |
| 15. | Fibroptic light | | 1 |
| 17. | Major operation theatre with all facilities | In Medical College/ 100 Bedded | 1 |

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| | | | |
|-----|--|---|--------|
| | | General Hospital | |
| 18. | Recovery and <i>Intensive Care Unit</i> with all necessary life support equipments with Ventilator | In Medical College/ 100 Bedded General Hospital | 2 beds |
| 19. | Inpatient beds | In Medical College/ 100 Bedded General Hospital | 20 |
| 20. | Fiber optic laryngoscope | In Medical College/ 100 Bedded General Hospital | 1 |
| 21. | Computer with internet connection with attached printer | | 1 |
| 22. | Audio Visual System | | 1 |
| 23. | Refrigerator | | 1 |
| 24. | B.P. Apparatus | | 1 |

* The number of equipments shown in this proforma represents the MINIMUM requirement for Implant clinic shared by the 3 departments viz. Oral & Maxillofacial Surgery and Periodontology and Prosthodontics and Crown & Bridge



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