### Criterion 4 - Infrastructure and Learning Resources

- 4.2 Clinical, Equipment and Laboratory Learning Resources
- 4.2.1 Teaching Hospital, equipment, clinical teaching-learning, and laboratory facilities are as stipulated by the respective Regulatory Bodies

#### Response:

### CLINICAL TEACHING AND LEARNING:

Each of these departments manages an out-patient ward where students can examine/perform therapeutic procedures, seminar hall for teaching/ presentations, laboratory for pre-clinical exercises / biochemical investigations and a research facility with equipment to perform basic medical/dental and clinical projects. The clinical/laboratory/academic space is allocated based on the DCI regulations. All our departments have the necessary clinical/laboratory materials as stipulated by the DCI. The basic clinical requirement is the flow of patients to the Dental OPD in particular, and Medical OPD for learning the basic medicine. The number of patients visiting our hospital is more than sufficient for our students to thoroughly learn all the basic and certain advanced clinical dental procedures. The basic clinical equipment's and materials that are required, are governed by the regulations of the DCI. ARDCH possesses several pre-clinical laboratories where our students can learn the basic clinical dental exercises on models before performing the same on patients. Mannequins for IV &; IM injection technique. Laboratory space to learn basic dental exercises like cement mixing, impression making, duplicating impression models etc. Advanced Dental equipment's ARDCH also possesses the following numerous specialized dental therapeutic procedures.

### **Laboratory Facilities:**

### 1. Basic Clinical Equipment's:

The basic clinical equipment's / materials that are required, are governed by the regulations of the DCI. These include:

- 1. Dental Chairs
- 2. Operating Theaters
- 3. Ultrasonic Scalers
- 4. Airotor Handpieces
- 5. Restorative Cements of different types
- 6. Impression Materials
- X-rays:

### Regular dental X-ray units, Digital X-ray units

- 1. OPG unit for full mouth imaging
- 2. Lateral cephalogram for orthodontics imaging
- 3. Autoclaves for sterilization of instruments
- 4. Fumigation equipment for sterilization of the minor operating theatre
- 5. Instruments for performing tooth extractions, surgical tooth removal, minor oral surgical procedures.
- 6. Pre-clinical laboratory

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ARDCH possesses several pre-clinical laboratories where our students can learn the basic clinical dental exercises on models before performing the same on patients. The following are available in the labs.

- · Mannequins for BLS
- Mannequins for IV & IM injection technique
- Dental Models to perform cavity preparations, tooth preparations.
- Dental handpieces
- Laboratory space to learn basic dental exercises like cement mixing, impression making, duplicating impression models etc.
- · Tooth Morphology lab with workstations, demonstration models, white/black boards and charts
- Patient education room for teaching the patients proper oral hygiene measures with required models for demonstration.
- Clinical laboratory spaces

Our institution also houses a laboratory where fabrication of dentures/artificial teeth/histological analysis is performed. The equipment's present include Induction casting machines, Burnout furnaces, Micromotors, Metal grinders, Sandblasters, Duplicator equipment, Vacuum investors, Ceramic finishing kits, Metal finishing kits, Microtome, Tissue Processing unit.

#### 1. Advanced Dental Equipment's

ARDCH also possesses the following numerous specialized dental instruments to perform advanced dental therapeutic procedures.

- 1. Endosonic Handpieces
- 2. Dental LASER
- 3. Piezo for surgeries
- 4. Loupes for microsurgery
- 5. Fiberoptic intubation scope
- 6. Implant physio dispenser with surgical kits of different systems
- 7. Faced software for ortho treatment planning.
- 8. Specialized operating dental microscopes.
- 9. Micro surgical instruments
- 10. Bleaching and micro abrasion equipment's
- 11. Injectable thermoplasticized gutta percha
  - 2. Stereo microscope
- 13. 10W laser unit

All the equipment's stated above are adequate to cater to the academic and clinical requirements of the students and as per the norms prescribed by DCI.

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| Infrastructure  | Availability   |
|---|--|
| Administrative block  | 3000 sq. ft.   |
| Library   | 8750 sq. ft.   |
| Lecture Halls – 4   | 6400 sq. ft.   |
| Central Stores  | 800 sq. ft.  |
| Maintenance room  | 1000 sq. ft.   |
| Photography and artist room   | 400 sq. ft.  |
| Medical Stores cum Pharmacy   | 300 sq. ft.  |
| Faculty Rooms – Dental Faculty  | 2200 sq. ft.   |
| Faculty Rooms - Medical Basic Science   | 1550 sq. ft.   |
| Amenities Area to include boys and girl's locker room, boys and girls common rooms, Common room for non-teaching staff, common room for teaching staff, change room for men, change room for women. | •  |
| Room for Gas Cylinder (ventilated)  | 200 sq. ft.  |
| Compressor and Room for Gas Plant   | 350 sq. ft.  |
| Cafeteria   | 1550 sq. ft.   |
| Examination hall  | 3600 sq. ft.   |
| Auditorium  To accommodate at least 500 people)   | 5000 sq. ft.<br>(approx)                             |
| Clinical Area (for different specialty lepartments)   | 25000 sq. ft.  |
|   | (200 Dental<br>Chairs X 125<br>sq. Ft./per<br>chair) |
| Wards Male and Female to<br>accommodate 20 Beds, Central Store,<br>Departmental Store, Major and Minor<br>O.T. etc.   | Remaining<br>Area (7500 sq.<br>ft.)                  |

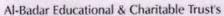
Straite.

| Pre-clinical Prosthodontics and dental material lab      | 3050 sq. ft. |
|--|--------------|
| Pre-clinical conservative lab                            | 2600 sq. ft. |
| Laboratories for Orthodontics and<br>Pedodontics         | 1500 sq. ft. |
| Anatomy dissection hall with storage                     | 2500 sq. ft  |
| for cadavers, osteology,                                 | 1579         |
| demonstration room etc.                                  |              |
| One laboratory for physiology with                       | 2500 sq. ft  |
| stores and preparation rooms.                            |              |
| Laboratory for biochemistry and                          | 2500 sq. ft. |
| Pharmacology   |              |
| Prosthodontics Cast Partial and                          | 3050 sq. ft. |
| Ceramic  |              |
| Conservative Clinical Lab                                | 2600 sq. ft. |
| Histopathology Lab for Oral Pathology                    | 2500 sq. ft. |
| Laboratories for Orthodontics and<br>Pedodontics         | 1600 sq. ft. |
| Haematology and Clinical                                 | 300 sq. ft.  |
| Biochemistry   | 54. 11.      |
| AREB certified Radiographic Room<br>along with Dark Room | 1200 sq. ft. |

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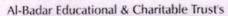




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PROSTHODONTICS AND CROWN & BRIDGE

| Extra oral/intra oral tracer  Dewaxing unit  Curing unit  Dental casting machine  Wax burnout furnace  Pre heating furnace  Surveying unit  Heavy duty hand piece Lab micromotors  Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB  Plaster Dispenser  Model Trimmer with Carborandum Disc | 7/3  2 2 2 1 1 1 2 3 2 2        |
|---|---------------------------------|
| Dewaxing unit Curing unit Dental casting machine Wax burnout furnace Pre heating furnace Surveying unit Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB Plaster Dispenser  | 2<br>2<br>1<br>1<br>1<br>2<br>3 |
| Curing unit  Dental casting machine  Wax burnout furnace  Pre heating furnace  Surveying unit  Heavy duty hand piece Lab micromotors  Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB  Plaster Dispenser   | 2<br>1<br>1<br>1<br>2<br>3      |
| Dental casting machine  Wax burnout furnace  Pre heating furnace  Surveying unit  Heavy duty hand piece Lab micromotors  Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB  Plaster Dispenser  | 1<br>1<br>1<br>2<br>3           |
| Wax burnout furnace Pre heating furnace Surveying unit Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB Plaster Dispenser   | 1<br>1<br>2<br>3                |
| Pre heating furnace Surveying unit Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB Plaster Dispenser   | 1<br>2<br>3                     |
| Surveying unit Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB Plaster Dispenser   | 2 3                             |
| Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB  Plaster Dispenser   | 2                               |
| Heavy duty hand piece Lab micromotors Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters  Needle burner with syringe cutter  LAB  Plaster Dispenser   | 2                               |
| Needle burner with syringe cutter  LAB  Plaster Dispenser   |                                 |
| LAB Plaster Dispenser   | 2                               |
| Plaster Dispenser   |                                 |
|   |                                 |
|   | 2                               |
|   | 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  | 2                               |
| Geyser  | 2                               |
| Phantom heads   | 38                              |
| Pre-clinical working tables   | 72                              |





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#### CERAMIC AND CAST PARTIAL LABORATORY

| NAME  | AVAILABLE |
|---|-----------|
| Plaster Dispenser   | 2         |
| One each for plaster and stone plaster  |           |
| Duplicator  | 1         |
| Pindex System   | 1         |
| Circular saw  | 1         |
| Burn out furnace  | 1         |
| Sandblasting machine  | 1         |
| With two containers   |           |
| 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  | 1         |
| 5 liters capacity   |           |
| 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. | 60        |
| Adequate number of lab micro motor with attached hand piece   | 10        |
| PLASTER ROOM FOR PRE-CLINICAL WORK  |           |
| Plaster dispenser   | 2         |
| One each for plaster and stone plaster  |           |
| Vibrator  | 2         |
| Lathe   | 2         |
| Model Trimmer   | 1         |
| Carborandum Disc  | 1         |
| Diamond disc  | 1         |

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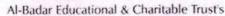
#### DEPARTMENT: CONSERVATIVE DENTISTRY AND ENDODONTICS

| DEPARTMENT: CONSERVATIVE DENTISTRY AND  Dental chair & units | ENDODONTICS |
|--|-------------|
| I. Manual  | 17          |
| Electrical   | 24          |
| Phantom head units   | 60          |
| Phantom head simulator unit with operative stools            | 02          |
| Micromotor control boxes                                     | 60          |
| Micromotor handpiece cord                                    | 28          |
| Contra angle micromotor hand piece                           | 20          |
| Contra angle airotar hand piece                              | 14          |
| Anthogyr hand piece  | 05          |
| Gear reduction hand piece                                    | 02          |
| Kavo torque control handpiece                                | 01          |
| Lab micromotor hand piece                                    | 01          |
| Control boxes for micromotor hand piece                      | 16          |
| Rotary endomotor x smart hand piece                          | 02          |
| Rotary rispisonic hand piece                                 | 02          |
| Conventional autoclave                                       | 01          |
| Front loading autoclave                                      | 04          |
| Glass bead sterilizer  | 06          |
| Formalin chamber sterilizer                                  | 01          |
| Hand piece sterilizer  | 02          |
| Sterilizer trays   |             |
| I. Conventional peroforated trays                            | 03          |
| Sterilization cassette                                       | 04          |
| Needle destroyer   | 02          |
| Runey's x ray unit   | 01          |
| Rvg  | 01          |
| Opg viewer   | 01          |
| Pulp tester  | 02          |
| Rubber dam kit   | 06          |
| Ligajet pressurized local anaesthesia                        | 02          |
| Apex locator   |             |
| I. Formatron   | 01          |
| II. Root zx  | 01          |
| III. Medic nrg   | 01          |
| Woodpecker   | 01          |
| Amalgamators   | O2          |
| Light cure units   |             |
| I. Conventional  | 01          |
| Variable intensity   | 03          |
| Rotary files systems   |             |
| I. Profiles  | 02          |
| II. Rotary protaper files                                    | 02          |
| III. Hand protaper files                                     | 01          |
| IV. Rispisonic files   | 02          |

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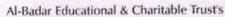




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| V. Shaper sonic files   | 02     |
|---|--------|
| Heroshaper files  | 01     |
| Gates glidden drills  | 03     |
| Paeso raemers   | 03     |
| Lentulospirals  | 01     |
| Retreatment files (r endo)  | 01     |
| Thermoplasticized guttapercha with solid core thermafill          | 01     |
| Befill apical fill obturation system                              | 01     |
| Dejoy pen and gun   | 01     |
| Woodpecker pen and gun  | 01     |
| Plaster dispensers  | 04     |
| Model trimmers  | 01     |
| Vaccum mixer and vibrator   | 01     |
| Amalgamators  | 02     |
| Matrix band and retainer sytem                                    |        |
| I. Palodent system  | 01     |
| II. Sectional contact matrix band system                          | 01     |
| III. Metal contoured matrices                                     | 02     |
| IV. Ivory no 1  | 02     |
| V. Ivory no 8   | 04     |
| VI. Toffelmire  | 01     |
| Bioclear  | 01     |
| Light transmitting wedges   | 01     |
| Bleaching light   | 01     |
| Pkt kit   | 02     |
| Cord packer and retraction cord                                   | 01     |
| Amalgam polishing kit   | 02     |
| Ceramic finihing kit  | 02     |
| Gold polishing kit  | 01     |
| Crown remover system  | 276.37 |
| I. Conventional   | 02     |
| Pneumatic   | 01     |
| Hu friedy intrument set with cassette                             | O2 set |
| Fissurotomy smart burs  |        |
| I. Ref 18013  | 01     |
| II. Ref 18014   | 01     |
| Ref 18016   | 01     |
| Inlay preparation kit   | 01     |
| Masseren kit  | 01     |
| Veneer preparation kit  | 01     |
| Tooth preparation kit   | 01     |
| Dentatus metal post system  | 01     |
| Super splint  | 01     |
| Surgical microscope   | 01     |
| microscope Seiler IQ, evolution XR6 model 23 may 2012 from united | 01     |
| agencies Mumbai   | 2/3    |
| ageneres manifest   | PRINC  |
|   | PRINC  |

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| Bulb halogen Philips Germany 12Volts 100Watts 6834 G | 0.2     |
|--|---------|
| Magnifying loupes                                    | 02      |
| Surgical instrument kit                              | 01      |
| Microsurgical instrument kit                         | 01      |
| Agar duplicating machine                             | 01      |
| Spindle grinder                                      | 01      |
| Sand blaster   | 02      |
| Preheating furnace                                   | 02      |
| Polishing lathe                                      | 01      |
| Wax work station                                     | 01      |
| Ceramic work station                                 | 01      |
| Pickling kit   | 02      |
| Saw  | 01      |
| Burnout wax furnace                                  | 02      |
| Induction casting machine                            | 01      |
| Head torch   | 01      |
| Peizo torch  | 01      |
| Magnifying lens with light                           | 01      |
| Ceramic furnace- EP 3000 programate ivovclare        | 01      |
| Imported moulds for preparation of models            | 02 sets |
| Acrylic models of teeth                              | 04      |
| Steel trays  | 14      |
| hand instrument set                                  | 04      |
| Impression tray sets                                 | 05      |
| Enamel trays   | 02      |
| Surgical trays                                       | 04      |
| Kidney trays   | 17      |
| Blow torch   | 02      |
| Cotton holders                                       | 07      |
| Mouth mirrors  | 30      |
| Probes   | 25      |
| Tweezer  | 15      |
| Explorers  | 14      |
| Condensors   | 14      |
| Ball burnishers                                      | 20      |
| Cement spatula                                       | 15      |
| Agate spatula  | 01      |
| Cement carrier                                       | 15      |
| Spoon excavators                                     | 15      |
| Scissors   | 06      |
| Amalgam carrier                                      | 02      |
| Diamond carvers                                      | 25      |
| Parallelogram condensors                             | 09      |
| Hollenback carvers                                   | 21      |
| T burnishers   | 01      |
| Chisel   | 03      |



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| Hoe   | 04 |
|---|----|
| Gmt   | 05 |
| Metal scale   | 01 |
| Glas slab   | 08 |
| Endo box  | 12 |
| Sterilization pouches with pouch sealer   | 01 |
| Lab incubator   | 1  |
| Micro centrifuge (Remi Model RM 12C)  | 1  |
| Angle head rotor for centrifuge   | 1  |
| Precision laboratory weighing balance (ACZET Model CY 123)                      | 1  |
| Motorless magnetic stirrer  | 1  |
| Visible spectrophotometer   | 1  |
| PC link software with attachments compatible with VS spectrophotmetre Model 168 | 1  |
| Laboratory specimen carrier   | 1  |
| Lab incubator   | 1  |
|   |    |

### ORAL PATHOLOGY AND ORAL MICROBIOLOGY

|  | 1 Table 1 May |
|--|---------------|
| Research microscope with Dark field, Phase contrast and Polarizing attachments |               |
| Semi-automatic Rotary Microtome  | / 1- 49       |
| Image Analyzer Software  | /4/3          |
| Trinocular with attachments for photomicrography                               | 1 6           |
| Stereomicroscope   | 1             |
| Microwave oven   | 1             |
| Immunohistochemistry setup   |               |
| Binocular compound microscope  | 10            |
| Monocular compound microscope  | 50            |
| Manual Rotary Microtome  | 1             |
| Wax Bath   | 1             |
| Water Bath   | 1             |
| Hot Air Oven   | 1             |
| Spencer Knife  | 1             |
| Disposable Blade   | 1 set         |
| Knife Sharpener  | 1             |
| Tissue Capsule   | 28            |
| Distilled Water Plant  | 1             |
| Diamond Tip Pencil   | 2             |
| Glass Dropper Bottle   | 5             |
| Glass Bottle with Lid  | 5             |
| Wide Mouth Bottles   | 12            |

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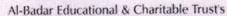
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| Glass Funnel                                | 15           |
|---|--------------|
| Glass Pipette                               | 12           |
| Glass Measuring Jar                         | 5            |
| Petri Dish 4" Glass                         | 5            |
| L Blocks                                    | 20           |
| Loop Holder                                 | 3            |
| Magnifying Glass                            | 1            |
| Toothed Forceps                             | 5            |
| Plastic Dropper                             | 25           |
| Petri Dish 50mm Glass                       | 5            |
| Gas burner/Spirit Lamp                      | 1            |
| Processing Bottles                          | 9            |
| Slide Warming Table                         | 1            |
| Slide Drying Tray                           | 1            |
| Slide Carrying Tray                         | 5            |
| Staining Basket SS                          | 3            |
| Staining Trough SS                          | 2            |
| Staining Trough Glass                       | 5            |
| Slide Staining Rack SS                      | 2            |
| Slide Box                                   | 14           |
| Slides Storage Cabinet                      | 4            |
| Wax Block Storing Cupboard                  | 3            |
| Stopwatch                                   |              |
| LCD Screen                                  | L            |
| Teaching slides set with box                | 3 sets       |
| Education models & dental developmental set | 4 in number  |
| Color Printer                               | 11/1/1/1/1/1 |
| Desktop Computer                            |              |

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### DEPARTMENT: ORAL & MAXILLOFACIAL SURGERY

| NAME  | Available            |
|---|----------------------|
| Dental Chairs and Units   | One chair and unit   |
|   | per post-graduate    |
|   | student and Two      |
|   | chairs with unit for |
|   | the faculty          |
| Autoclave   | 4                    |
| Front loading Having wet and dry cycle, which can achieve 135°C |                      |
| with minimum capacity of 20 liters                              |                      |
| Ultrasonic Cleaner Minimum capacity 13 liters with mesh bucket  | 2                    |
| Fumigators  | 2                    |
| Extraction forceps sets.  | 20                   |
| Complete set  | No.                  |
| Dental elevators  | 10                   |
| Complete set  |                      |
| Surgical instruments  | 100                  |
| General surgery kit including                                   | 2                    |
| tracheotomy kit   | S 1 57 1             |
| Minor oral surgery kit  | 10                   |
| Osteotomy kit   | 1                    |
| Cleft surgery kit   |                      |
| Bone grafting kit   | 1                    |
| Emergency drug tray   | 2                    |
| Trauma set including bone plating kit                           | 2                    |
| Implantology kit,   | 4                    |
| Implantology system   | 4                    |
| Number of implants  | 20                   |
| Distraction osteogenesis kit                                    | 7 1                  |
| Peizo surgical unit   | 1.4                  |
| Magnifying loops  | 1                    |
| Operating microscope and  | 0                    |
| Microsurgery kit  |                      |
| Dermatomes  | 1                    |
| Needle destroyer with syringe cutter                            | 8                    |
| Formalin chamber  | 1                    |
| X-ray viewers   | 2                    |
| Pulse Oxymeter  | 2                    |
| BP appartus   | 2                    |
| Stethoscope   | 2                    |
| Thermometer   | 2                    |
| Glucometer  | 1                    |
| Oxygen cylinder   | 2                    |
| Oxygen mask adult   | 2                    |
| Oxygen mask Pedo  | 2                    |

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| Impaction kit   | 3      |
|---|--------|
| Lab micromotor with handpiece   | 3      |
| High volume suction   | 2      |
| Surgical straight hand piece  | 4      |
| Ventilator  | 1      |
| 10W laser unit  | 1      |
| Major operation theatre with all facilities                                 | 1      |
| Recovery and Intensive Care Unit with all necessary life support equipments | 2 beds |
| Fibrooptic light  | 1      |
| Inpatient beds  | 20     |
| Fiber optic laryngoscope  | 1      |
| Computer with internet connection with attached printer and scanner         | 1      |
| LCD projector   | 1      |
| Refrigerator  | 1      |

### DEPARTMENT: PERIODONTOLOGY

| S.<br>No. | NAME  | Availability |
|-----------|---|--------------|
| 1.        | Dental Chairs and Units                                       | 45           |
| 2.        | Autoclave   | 2            |
| 3.        | Airoter hand pieces   | 7 - 18       |
| Section   |   | 5            |
| 5.        | Nabers probe  | 2            |
| 6.        | Williams probe  | 9            |
| 7.        | UNC-15 probe  | 5            |
| 8.        | Gold Man fox probe  | 1            |
| 9.        | Pressure sensitive probe                                      | -            |
| 10.       | Marquis color coded probe                                     | 1            |
| 11.       | Supra gingival scalers  | 10           |
| 12.       | Sub gingival scaler   | 10           |
| 1.        | Routine surgical instrument kit (Benquis periosteal elevator, | 3            |
| _         | periotome)  | 2            |
| 2.        | X ray viewer  | 1            |
| 3.        | Electro surgery unit  | 1            |

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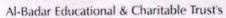
# AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL, KALABURAGI

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| 1.  | Kirkland's knife  | 3        |
|-----|---|----------|
| 2.  | Orban's knife   | 3        |
|     | Paquette blade handle   | 1        |
|     | Krane kaplan pocket marker  | 1        |
| 5.  | Mc Calls universal curettes   | 4        |
| 6.  | Gracey's curettes (No.1-18)   | 2        |
| 7.  | Mini five curettes  | <u> </u> |
| 8.  | Cumine scalar   | 1        |
| 9.  | Mallet  | 1        |
| 10. | Chisel  | 2        |
| 11. | Oschenbein chisel   | 2        |
| 12. | Schluger bone file  | 1        |
| 16. | Micro needle holder   | 2        |
| 17. | Micro scissors  | 4        |
| 18. | Magnifying loop (2.5 – 3.5)   | 1        |
| 27. | Centrifuge for PRP/PRF preparation                                  | 1 10     |
| 1.  | Composite gun with material kit                                     | 1        |
| 4.  | Digital camera  | 1        |
| 5.  | Intra Oral camera   | 1        |
| 6.  | Ultrasonic cleaner  | 2        |
| 7.  | Emergency kit   | 1 1 1    |
| 8.  | Refrigerator  | 1        |
| 9.  | Audio Visual System   | 1        |
| 10. | Computer with internet connection with attached printer and scanner | 1        |
|     | Implant Equipment   |          |
| 12. | Electrical dental chair and unit                                    | 1        |
| 13. | Physio dispenser  | . 1      |

space.

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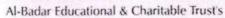


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| 14. | Implant kit                         | 1  |
|-----|-------------------------------------|----|
| 15. | Implants                            | 10 |
| 18. | X-ray viewer                        | 2  |
| 19. | Ultrasonic cleaner capacity 3.5 lts | 1  |
| 20. | Autoclave                           | 1  |
| 22. | Surgical kit                        | 2  |

#### **DEPARTMENT: ORTHODONTICS**

| NAME   | Available |
|--|-----------|
| Unit mount scaler  | 5         |
| Autoclave  | 2         |
| Ultrasonic Cleaner   | 2         |
| Minimum capacity 13 liters with mesh bucket with digital timer |           |
| ORTHO LAB  | 400       |
| Plaster dispenser  | 2         |
| One each for plaster and stone plaster                         |           |
| Vibrator   | 2         |
| Model Trimmer  | 2         |
| Micromotor – heavy duty  | 4         |
| Lathe  | 2         |
| X-ray viewers  | 2         |
| OPG with cephalostat   | 1         |
| If available in radiology its is adequate.                     |           |
| Welders  | 4         |
| Blue Torch   | 1         |
| Base Formers   | 4         |
| Typodont   | 4         |
| Set of Pliers  | 10        |
| Welder with soldering attachments                              | 1         |





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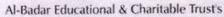
| Hydro solder                                 | 1 |
|--|---|
| Typhodont articulator                        | 4 |
| With metal teeth wax rim of Class I, II, III |   |
| Pressure moulding machine                    | 1 |
| Soldering torch                              | 1 |
| Spot Welder                                  | 1 |
| Dewaxing unit                                | 1 |
| Curing Unit                                  | 1 |
| Vacuum Mixer                                 | 1 |
| Electro Polisher                             | 1 |

#### DEPARTMENT: PAEDIATRIC AND PREVENTIVE DENTISTRY

| NAME   | Available |
|--|-----------|
| Autoclaves Having wet and dry cycle, which can achieve 135°C with minimum capacity of 20 liters. | 2         |
| Ultrasonic cleaner   | 2         |
| Minimum capacity 13 liters with mesh bucket with digital timer                                   | 3         |
| Needle Burner with syringe cutter  |           |
| Amalgamator  | 1 1 1 1   |
| Pulp Tester-Digital  | 5         |
| Rubber dam kit for pedo  |           |
| Apex locator   | 1         |
| Endo motor   | 1         |
| With torque control HPs  | 2001      |
| Injectable gutta percha with condensation  | 1         |
| Radiovisiography   | 1         |
| Digital intra X-ray system with pedo sensor and software   | 1         |
| Intra Oral Camera  | 1         |
| With high resolution   | 10        |
| Scaling instruments  | 10        |
| Restorative instruments  | 10        |
| Extraction forceps   | 10        |
| Pedo Forceps complete sets   |           |
| Intra-oral X-ray   | 11        |
| RCT Instruments Kits   | 5         |
| Automatic Developer  | 1         |
| Plaster dispenser  | 2         |
| One each for plaster and stone plaster   |           |
| Model Trimmer  | 1         |
| With diamond disc  |           |
| Model Trimmer  | 1         |
| With Carborandum disc  |           |

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

### DEPARTMENT: ORAL MEDICINE AND RADIOLOGY.

| NAME  | Available   |
|---|-------------|
| 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  | 19          |
| 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(Optional) |
| Diagnostic kit  | 25          |

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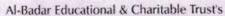
| Biopsy Kit                  | 2 |
|-----------------------------|---|
| Sailography equipment & Kit | 1 |
| CO Analyser                 | 1 |
| TENS                        | 1 |
| IFT & Ultrasound unit       | 1 |

DEPARTMENT: PUBLIC HEALTH DENTISTRY

| NAME   | Available |
|--|-----------|
| 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  | Z/A       |
| 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. | 47        |
| 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<br>1.25HP   | 1         |
| Metal Cabinet<br>With wash basin   | 1         |

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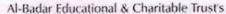
| Portable dental chair   | 2 |
|---|---|
| Suitcase unit with airrotor, micromotor, scaler and compressor 0.25HP |   |
| Stabilizer 4KV  | 1 |
| Generator 4KV   | 1 |
| Water tank 400ltrs  | 1 |
| Oxygen cylinder   | 1 |
| Public address system   | 1 |
| TV and video cassette player  | 1 |
| Demonstration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

DENTAL ANATOMY DENTAL HISTOLOGY & ORAL PATHOLOGY LAR

|   | DEPARTMENT  | AVAILABLE |
|---|---|-----------|
| A | DENTAL ANATOMY, DENTAL HISTOLOGY & ORAL PATHOLOGY LAB           |           |
| 1 | Microscope  | 62        |
| 2 | Television With USB port For displaying slide                   | 1         |
| 3 | Teaching slides set with box                                    | 3 sets    |
| 4 | Education models & dental developmental set (Nissan like model) | 4         |

HICTORATHOLOGY DOOM

| Microtome                       | 2     |
|---------------------------------|-------|
| Manual/automatic                |       |
| Wax Bath                        | 1     |
| Water Bath                      | 1     |
| Knife Sharpener                 | 1     |
| Spencer Knife                   | 1     |
| Disposable Blade                | 1 set |
| Hot Air Oven                    | 1     |
| Organic Tissue Capsule<br>Small | 28    |
| Distilled Water Plant           | 1     |
| Diamond Tip Pencil              | 2     |
| Glass Dropper Bottle            | 5     |





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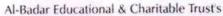
| Glass Bottle With Lid      | 5  |
|----------------------------|----|
| Wide Mouth Bottles         | 12 |
| Glass Funnel               | 5  |
| Glass Pipette              | 12 |
| Glass Measuring Jar        | 5  |
| Petri Dish 4" Glass        | 5  |
| L Blocks                   | 20 |
| Loop Holder                | 3  |
| Magnifying Glass           | 1  |
| Toothed Forceps            | 5  |
| Plastic Dropper            | 25 |
| Petri Dish 50mm Glass      | 5  |
| Gas burner/Spirit Lamp     | 1  |
| Processing Bottles         | 9  |
| Slide Warming Table        |    |
| Slide Drying Tray          |    |
| Slide Carrying Tray        | 5  |
| Staining Basket SS         | 3  |
| Staining Trough SS         | 2  |
| Staining Trough Glass      | 5  |
| Slide Staining Rack SS     | 2  |
| Slide Box                  | 14 |
| Slides Storage Cabinet     | 4  |
| Wax Block Storing Cupboard | 3  |
| Stop Watch                 | 1  |
| Microscope –Trinocular     | 1  |
| Colour Printer             | 1  |
| Desktop Computer           | 1  |

DEPARTMENT OF ANATOMY

| DEPARTMENT   | AVAILABLE |
|--|-----------|
| Dissection table –   | 4- Large  |
| Stainless-Steel tables with drainage for cadavers dissection | 4- Small  |
| LARGE TABLE  |           |
| 71 inches length, 22 inches breadth, 36 inches height        |           |
| SMALL TABLE  |           |
| 35 Inches Length, 22 inches Breadth, 36 inches height        |           |
| Educational models   | 10        |
| Large Storage Tank   | 1         |
| 1200 lt or 130 sq. feet                                      |           |
| Small Tank 800 lts   | 1         |
| Freezer Unit To store two cadavers                           | 1         |
| Dissection Microscopes                                       | 5         |

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| 23 |
|----|
| 1  |
| 3  |
| 1  |
|    |

2. DEPARTMENT OF PHYSIOLOGY

|   | DEPARTMENT   | AVAILABLE  |
|---|--|--|
| 1   | Microscopes Monocular  | 50   |
| 2.  | Stage Incubator  | 1  |
| 3   | Westergen's Pipettes For E.S.R. on Stand   | 5 ESR STAND<br>10 PIPETTES   |
| 4   | Winrobes Pipettes  | 20   |
| 5.  | Haemo Giobinometer, Sahli's  | 50   |
| 6.  | Haemocytometers  | 50   |
| 7.  | Sphygmomanometer   | 30   |
| 8.  | Stethoscopes   | 25   |
| 9.  | Refrigerator   | also 1   |
| 10  | Stop Watches   | 25   |
| 11  | Ph Meter   |  |
| 12  | Analytical Balance   | i i  |
| 13  | Centrifuge R4c & R8c   | 1  |
| 14  | Blood Cell Counters  | 1  |
| 15  | Haematocrit Tubes  | 5  |
| 77.75.0   | The market in Tuese  | The second secon |
| 16  | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  | For 50 students  |
| 7.67/0/01   | Glass Wares  | For 50 students  |
| 16  | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  |  |
| 16  | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer   | 5  |
| 16  | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary)   | 5<br>5   |
| 16<br>1<br>2<br>3                                     | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso's Erograph  | 5<br>5   |
| 16<br>1<br>2<br>3<br>4                                | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary)   | 5<br>5<br>3<br>1   |
| 16<br>1<br>2<br>3<br>4<br>5                           | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso'sErograph Opthalmoscope   | 5<br>5<br>3<br>1<br>1  |
| 16<br>1<br>2<br>3<br>4<br>5<br>6                      | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso's Erograph Opthalmoscope Dynamometer  | 5<br>5<br>3<br>1   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7                       | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso'sErograph Opthalmoscope Dynamometer Perimeter   | 5<br>5<br>3<br>1<br>1<br>1<br>1<br>2<br>1  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                  | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso'sErograph Opthalmoscope Dynamometer Perimeter Hair Aesthesiometer   | 5<br>5<br>3<br>1<br>1<br>1<br>1<br>1<br>2  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9             | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso's Erograph Opthalmoscope Dynamometer Perimeter Hair Aesthesiometer Bicycle Ergrometer                               | 5<br>5<br>3<br>1<br>1<br>1<br>1<br>2<br>1<br>2<br>1<br>5   |
| 16<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10 | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso'sErograph Opthalmoscope Dynamometer Perimeter Hair Aesthesiometer Bicycle Ergrometer Examination Couches            | 5<br>5<br>3<br>1<br>1<br>1<br>1<br>2<br>1<br>2   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10       | Glass Wares Glass slide/ pipettes/ capillary tube/test tube/glass Rod  Clinical Thermometers Knee Hammer Spirometer (Ordinary) Mosso'sErograph Opthalmoscope Dynamometer Perimeter Hair Aesthesiometer Bicycle Ergrometer Examination Couches Steriliser | 5<br>3<br>1<br>1<br>1<br>1<br>2<br>1<br>5  |

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3. DEPARTMENT OF BIOCHEMISTRY

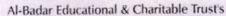
| DEPARTMENT OF BIOCHEMISTRY  DEPARTMENT   | AVAILABLE                  |
|--|----------------------------|
| Glass Wares Test tube/beaker/ measuring cylinder /glass rod/funnel/Amber bottle/plane bottle | For a batch of 50 students |
| Micro pipettes   | 5                          |
| Water bath   |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

4. DEPT OF PHARMACOLOGY

|    | DEPARTMENT                             | AVAILABLE |
|----|--|-----------|
| 1  | Beakers 50/100/250/500ml               | 100 Each  |
| 2  | China Dish                             | 50        |
| 3  | Conical Flask                          | 5         |
| 4  | Funnel 50/65/75 mm                     | 25 each   |
| 5  | Glass Rod Medium/Small                 | 100       |
| 6  | Measuring Cylinder<br>5/10/25/50/100ml | 60        |
| 7  | Measuring Cylinder 250ml               | 5         |
| 8  | Measuring Cylinder 500ml               | 2         |
| 9  | Mortar and Pestle Glass& Porcelain     | 50 each   |
| 10 | Pasteur pipette pack of 100            | 3         |
| 11 | Pipette 1 ml                           | 100       |

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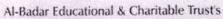




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| 12  | Pipette 2ml   | 50                   |
|-----|---|----------------------|
| 13  | Pipette 5 ml  | 25                   |
| 14  | Reagent bottle with lid – Narrow Mouth<br>Amber(NMA) 125/250/500 ml | 100 each             |
| 15  | Reagent bottle with lid – Narrow Mouth White(NMW)125/250/500ml      | 100 each<br>500ml-50 |
| 16  | Reagent bottle with lid – Wide Mouth<br>Amber(WMA) 250ml            | 50                   |
| 17  | Reagent bottle with lid – Wide Mouth White(WMW) 125/250/500ml       | 100 each<br>500ml-50 |
| 18  | Test Tubes (Medium)   | 50                   |
| 19  | Petri dish  | 10                   |
| 20  | Wash Bottle   | 75                   |
| 21  | Dropper Bottle  | 50                   |
| 1.  | Transparent Dispensing Box  | 50                   |
| 2.  | Dispensing Balance  | 50                   |
| 3.  | Dispensing Weight box   | 50                   |
| 4.  | Electronic balance  | 1                    |
| 5.  | Mechanical pipette  | 1                    |
| 6.  | Sensitive Balance<br>(Shimadzu)                                     | 1                    |
| 7.  | Sphygmomanometer  | 1.                   |
| 8.  | Spirit lamp   | 7                    |
| 9.  | Test Tube Holders   | 25                   |
| 10. | Test Tube Stand   | 25                   |
| 11. | Water bath  | V / A1/V             |
| 12. | Wax paper bundles   | 5                    |

|    | DEPARTMENT   | AVAILABLE |
|----|--|-----------|
| 1. | Microscopes monocular Examination of micro-organisms for students        | 50        |
| 2. | Microscope binocular Examination of microorganisms for research purposes | 1         |
| 3. | Incubator  | 1         |
| 4. | Double Door Refrigerator<br>Maintaining Cultures                         | 1         |
| 1. | Autoclave<br>(Small ) Sterilisation                                      | 1         |
| 2. | Electronic Balance   | 1         |
| 3. | Water Bath   | 1         |
| 4. | Anaerobic Jar  | 1         |





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| 5. | Centrifuge                       | 1 |
|----|----------------------------------|---|
| 6. | Bio Safety Cabinet               | 1 |
| 7. | Hot Air Oven Sterilisation       | 1 |
| 8. | Hot Plate Electrical For Heating | 1 |

6 DEPT OF GENERAL PATHOLOGY

|    | DEPARTMENT                 | AVAILABLE       |
|----|----------------------------|-----------------|
| A. | GLASS WARE                 |                 |
| 1  | Test tubes                 | Adequate number |
| 2  | Glass pipette 1ml,2ml,10ml | 25 Each         |
| 3  | Conical flask              | 50              |
| 4  | Coupling Jar               | 25              |
| 5  | Wintrobe tubes             | 20              |
| 6  | Dropper bottles            | 25              |
| 7  | Capillary tubes            | 2 Pack          |
| 8  | RBC pipette                | 60              |
| 9  | Glass rods                 | 50              |
| 10 | Micropipettes              | 50              |
| 11 | Hemometer pipette          | 20              |
| B. | INSTRUMENTS                |                 |
| 1  | Microscopes                | 25              |
| 2  | Incubator                  |                 |
| 3  | Centrifuge                 | 1               |
| 4  | Hemocytometer              | 20              |
| 5  | Hemometer                  | 20              |
| 6  | Water bath                 | 1               |
| 7  | Electronic weigh scale     | 10              |
| 8  | Sprit lamp                 | 5               |
| 9  | Test tube stand            | 50              |
| 10 | ESR stand                  | 25              |
| 11 | Laboratory thermometer     | 5               |
| 12 | Counting chamber           | 10              |
| 13 | Sphygnomanometer           | 1               |
| 14 | Lancets                    | 1Pack           |
| 15 | Stethoscope                | 1               |
| 16 | Clinical thermometer       | 1               |

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