

REQUIREMENT FOR DENTAL INSTITUTE AS PER DCI NORMS

- 1. Plaster Dispenser-8
- 2. Model Trimmer With Carborandum Disc & Diamond Disc-1 each
- 3. Vaccum Mixture-2
- 4. Pindex System-2
- 5. Curing Unit
- 6. Electropolishing Unit
- 7. Amalgammator-2
- 8. Automatic X Ray Developer-1
- 9. Ultrasonic Cleaner ( 5 litre)- 10
- 10. Centrifuge
- 11. Microtome
- 12. Wax Bath
- 13. Water Bath
- 14. Knife Shaper
- 15. Hot Plate
- 16. Spacer Knife
- 17. Demonstration Model For Dental Training
- 18. Extra & Intraoral Tracer-1
- 19. Blow Torch
- 20. Injectable Gutta Percha-1
- 21. RCT Instruments
  - a) Rotary Endodontic Files With Assorted Gutta Percha- 5 Set
  - b) Autoclavable Endodontic Boxes-5
  - c) Fiber Posts- 5
  - d) Gates Glidden Drills- 5
  - e) Endogauge- 5

*Signature*  
19/12/16

**LIST OF EQUIPMENT & SPECIFICATION OF DENTAL INSTITUTE, RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI**

**1. DENTAL PLASTER DISPENSER**

Capacity 10 Kg of Plaster/Stone powder, stainless body : Automatic and stable dispensing, Resistance of moisture, Wall mounted style fitted with digital electronic timer. The buckets resistance of moisture, hard to be blocked. Electric hanging, easy to use. Long term and safe using once installed.

**2. NEW DENTAL SURVEYOR**

Dental surveyor, with heavy base (Senior) with B.B. Indispensable for the faultless designing & tracing of clasp const, for the working of slides etc. Even for plain clasp work divergent teeth & tooth sets for all prostheses cast individually or from models.

**6. ELECTROPOLISHING UNIT**

Strong and corrosion proof plastic body. Triangle stick made of corrosion-proof titanium material, built-in digital circuits, should have overload protection unit and memory function which combines electrolytic power and time.

**5. DENTAL LIGHT CURING UNIT**

Dental light curing unit incorporates specific control with a rotating platform and voltage control regulator and lift. Tungsten halogen light source, three bulb design, larger cure zone.

- Adjustable table features selective controls to accommodate the processing of all types of visible light cure materials in various appliance shapes, with or without the use of a model (cast)

Small footprint making it ideal for laboratories and dentist offices alike, Dimension 135 (W) x 288(D) x 125 (H)

- Built in Smart card expendability, Cures various VLC appliances, Input power AC 110V/60Hz or AC 220V/50 Hz.

**2. MODEL TRIMMER**

**(a) WET DOUBLE MODEL TRIMMER – ONE UNIT**

Double model trimmer fitted with carborundum and diamond wheels.

Solenoid 800 Watt motor, 2850 rpm. Very robust and compact unit. Can also be supplied with a diamond wheel

**(b) WET SINGLE MODEL TRIMMER**

Built of water grade stainless steel, powered by industrially rated, ball bearing, capacitor start motors, easy access to cleaning and quick wheel change, easy installation and operation.

- Water solenoid to automatically activated water flow.
- Pre-installed Ortho-Angulator© orthodontic table.
- High performance balanced, studded diamond and carborundum wheel.
- Model Trimmers come standard with ¼" thick reversible AND reinforced Carbo-Dent wheel.

2 Rubber suction cup feet to raise front for better water flow, better safety and more stability.

Wheel size : 30.1 cm (12 inches)

**(c) DRY MODEL TRIMMER – ONE UNIT**

With high volume vacuum suction pump, Diamond disc, Pre-installed Ortho-angulator© orthodontic table.

### 3 VACUUM MIXER

- Rotational speed : 320 rpm.
- Mixing beaker : 550ml, 750 ml
- Vacuum Pressure : 0.08-0.09 MPa
- Built-in Vibrator : Variable Speed
- Size : L33 cm x W30 cm x H53 cm

Programmable, power – driven, vacuum-mixing unit, programmed for various types of gypsum product. The powerful vacuum quickly removes air and reduces the risk of bubbles, Vacuum mixer with dry vacuum pump.

### 8. AUTOMATIC PERI APICAL X-RAY DEVELOPER

Requirements – It should processes high quality images of dental X-ray film, Size 0-4. It should be fully automatic requiring no personal supervision during processing and delivers dry develop-ped X-ray images in 5-7 minutes. It should be assembled with day light loader avoiding the use of dark room. It should increase chemical longevity

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