

## DEPARTMENT OF DENTISTRY

### MANPOWER

- **IRHS** Dental Surgeon: Dr Arun Kumar, ACHD
- Dental Hygienist: One (On Contract)
- Dental Mechanic/Technician: One (On Contract)
- Hospital Peon: One

### MACHINERY & EQUIPMENTS

- Two electronically operated dental chairs and units with air-rotor, Micro motor, Piezosonic scaler, three-way syringe, High and low power motorized suction and air compressors.
- Two Intra oral X-Ray Machines
- One Digital Radio Visio Graphy System
- One Phosphor Sensor Plate based Digital X-Ray system.
- One Dental Operating Microscope
- One Physiodispenser for surgical procedures.
- One Radio Frequency Electro-cautery machine
- One Glass Bead Sterilizer for instant sterilization of small instrument like Root Canal Files and burs.
- One Ultrasonic Instrument cleaning machine.
- Two Digital Apex Locators for accurate measurement of root canal length.
- One Digital Pulp Tester for testing the vitality of teeth.
- One Endomotor for Rotary Endodontics.
- One Endomotor with integrated Digital Apex Locator
- Intra Oral Camera, which is extremely useful in visualization of difficult to reach areas like deep inside mouth for proper examination.
- The department also has light cure restoration system which is the most sophisticated restorative modality today.

### EQUIPMENTS COSTING MORE THAN RS 1 LAKH

Sr. No	Name Of Equipment	Approx. Cost	Year of Installation	Present Status
1	Dental Chair and Unit with accessories and Dental Operating microscope	8300000.00	2022	Working
2	Dental Chair and Unit with accessories	1255000.00	2010	Working
3	Surgical Micromotor (Physiodispenser)	198000.00	2012	Working

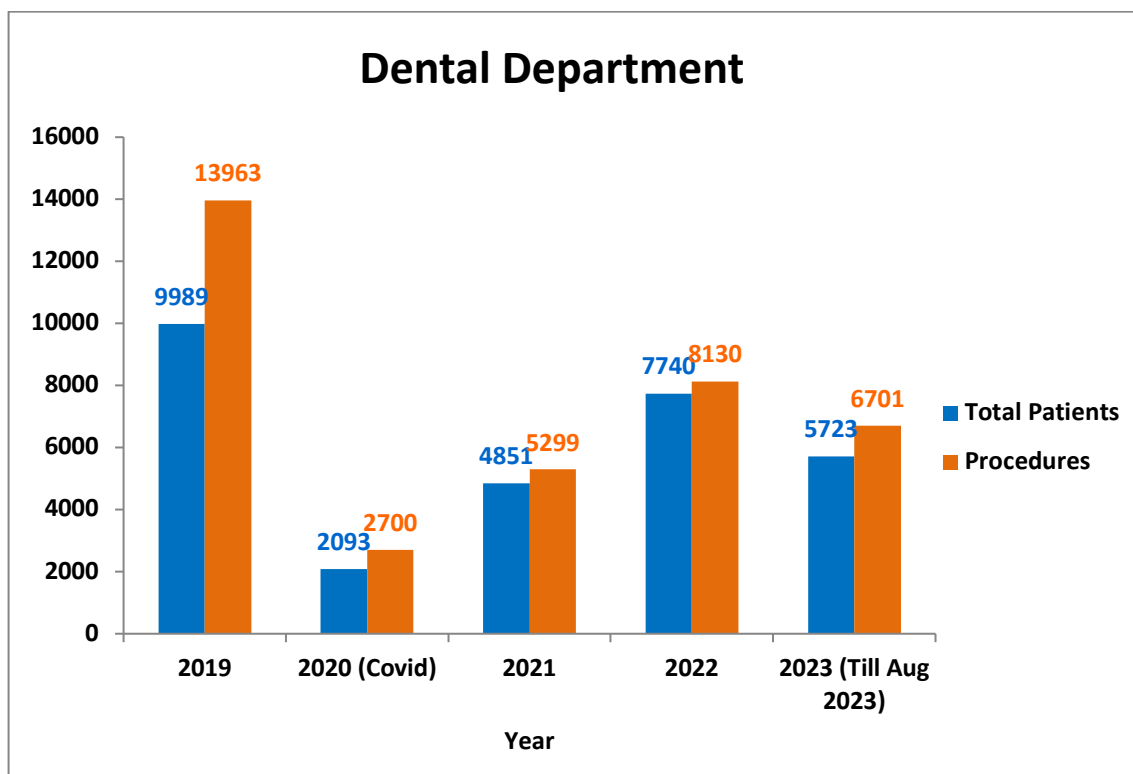
4	Phosphor Sensor Plate based Digital X-Ray system	633696.00	2021	Working
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## SERVICES OFFERED

- Examination, diagnosis and treatment and preventive aspect of Oro-dental diseases among railway population. Routinely provided treatments include, Tooth Extractions, Surgical Extractions of complicated, ankylosed and broken teeth, Impaction surgeries, Direct and Indirect Pulp capping procedures, Fillings, Light Cured Restorations, Scaling, Root Planing, Curettage, Root Canal Treatments, Excision of Small intra oral tumors and cyst enucleations, Apicoectomies, Dento-alveolar Fractures, IMF for fractures of Mandible, Replantation of avulsed teeth etc.
- All efforts are for conservative / restorative dentistry. Atraumatic restorative dental procedures are done in routine. In this technique tooth structure is conserved to a large extent and need of cutting the sound tooth for filling is not there.
- Emphasis is on preventive dentistry- Every patient is briefed about correct oral hygiene practices.
- Screening for oral pre-cancerous and cancerous lesions is an ongoing process. Regular preventive dentistry sessions for pediatric patients are being conducted.
- Training and education is regularly imparted to new Dental Graduates, who join here as observer, during their stay in this department.

## WORK LOAD -

	2019	2020 (COVID)	2021	2022	2023 (31/08/23)
Extractions	714	191	456	686	438
Fillings	7219	1265	3136	4406	3711
Scalings	2853	584	650	1200	1102
Root Canal Treatment	2416	562	604	1016	832
Other procedures	761	98	453	822	618
<b>TOTAL PROCEDURES</b>	13963	2700	5299	8130	6701
<b>TOTAL PATIENTS</b>	9989	2093	4851	7740	5723



#### Workload in 2023 (Till 31.07.2023)

Total Patients- 5723

Total Procedures- 6701

Extractions- 438

Fillings- 3711

Scalings- 1102

Root Canal Treatment- 832

Other procedures- 618

#### FUTURE VISION

- Procurement of one additional Dental Chair, Unit and X-Ray machine with all accessories.
- Installation of Patient education audio-visual display system,
- Procurement of Dental Laser.
- To start Dental Implants.

#### REQUIREMENTS TO IMPROVE PERFORMANCE

- One more Dental Chair and Unit.

- At least two more Dental Surgeons to handle huge patient work load and to reduce patient waiting time and appointment duration.
- Chair side assistants with each chair, to help Dental surgeons while treating patients.
- Dental staff nurse for helping in case of surgeries, emergencies, for record keeping, procurement of Dental Materials etc.
- One full time cleaning staff to manage spills, cleaning of spittoons, basins and instruments.