



COMPENDIUM OF EQUIPMENT

**KERALA MEDICAL SERVICES CORPORATION LIMITED
(KMSCL)**

GOVERNMENT OF KERALA

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FOREWORD

Kerala Medical Services Corporation Limited (KMSCL), under the Health & Family Welfare Department, Government of Kerala, is dedicated to ensuring that public medical institutions are equipped with high-quality, reliable, and up-to-date medical equipment and furniture. This compendium is a comprehensive reference, designed to assist practitioners, administrators, and all stakeholders involved in the management and procurement of medical equipment and furniture across the state.

It gives me immense pleasure to note the publication of the Compendium of Equipment for medical institutions under the Health Department of Kerala. This initiative by KMSCL is a significant step towards ensuring that our healthcare facilities are equipped with the best resources to serve the people of Kerala.

The compendium will serve as a vital guide for administrators and healthcare professionals, enabling them to make informed choices and maintain high standards in healthcare delivery. I commend the efforts of the editorial team and all contributors for their dedication and commitment to this important work.

Let us continue to work together to uphold Kerala's reputation for excellence in public health.

Dr. Rajan N Khobragade IAS
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FOREWORD

I am delighted to present the Compendium of Equipment, a comprehensive resource developed by KMSCL for the benefit of Kerala's public health institutions. This document reflects our ongoing commitment to transparency, quality, and efficiency in the procurement and management of medical equipment and furniture.

The compendium is the result of collaborative efforts and expert inputs, and it is designed to support healthcare professionals and administrators in delivering the highest standards of care. We will continue to update and improve this resource to meet the evolving needs of our healthcare system.

I extend my sincere thanks to everyone involved in the preparation of this compendium.

Dr. Vinay Goyal IAS
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1. IMAGEOLOGY & RADIOLOGY

SL. No	Equipment Name
1	Digital Radiography
2	Mobile Digital Radiography
3	X ray Machine 30,50 kW
4	Lead Aprons
5	Fluoroscopy
6	CT Scanner (16,32,64.128,256) Slices
7	CT Simulator
8	Mobile 100mA X-ray machine
9	Ultrasound Machine (3D/4D) High Definition OBG
10	Ultrasound Machine with Color Doppler
11	Portable Ultrasound
12	MRI Machine
13	MR Simulator
14	Linear accelerator
15	Mammography
16	PET Scanner
17	SPECT Scanner
18	C- Arm Image Intensifier
19	Brachytherapy
20	Cath lab Machine
21	Dental X ray with RVG
22	Orthopantomogram (OPG)
23	Cobalt Radiotherapy

2. CENTRA STERILE SUPPLY DEPARTMENT (CSSD)

SL. No	Equipment Name
1	Horizontal Double Door Steam Sterilizer (Rectangular) 400-600 L, 800 – 1000 L
2	Washer Disinfector
3	Ultrasonic Cleaner
4	Drying Cabinet
5	Instrument Washing Station
6	Tabletop Sterilizer
7	Sealing Machine
8	Gauss Cutting Machine
9	ETO Sterilizer
10	Plasma Sterilizer

3. EMERGENCY & CRITICAL CARE UNIT

SL. No	Equipment Name
1	ABG Machine
2	Nebuliser
3	BiPAP Machine
4	CPAP Machine
5	Multipara Monitor Basic
6	Multipara Monitor various types with Central Monitoring System
7	Spotlight
8	Syringe Pump
9	Infusion pump
10	Ventilator ICU
11	Portable ventilator
12	Anaesthesia Workstation
13	MR compatible anaesthesia workstation
14	Anaesthesia Machine
15	Defibrillator
16	Suction apparatus
17	Laryngoscope (Adult, Paediatric)
18	Video Laryngoscope
19	Ambu Bag (Adult, Paediatric)
20	Resuscitation Unit
21	ECG Machine Single /3/12 Channel
22	Patient Warmer

4. BLOOD BANK & BLOOD COLLECTION, SEPARATION CENTRE

SL. No	Equipment Name
1	Apheresis Machine
2	Blood Bank Refrigerator 300, 600L
3	Electronic weighing scale for Blood Bank
4	Platelet Agitator incubator
5	Hemoglobinometer
6	Plasma Thawing Bath
7	VDRL Shaker
8	Blood collection Monitor
9	Refrigerated Blood Transport Box
10	Vertical Plasma Freezer – 40 Degree
11	Deep Freezer (-40 degree Celsius)
12	Deep Freezer (-80 degree Celsius)
13	Plasma Expressor
14	Microscope Various types
15	Tube Sealer
16	Centrifuge 16 wells
17	Refrigerated Centrifuge
18	Hot Air Oven
19	Gel Card Centrifuge
20	Gel Card Incubator
21	Multi-channel Pipette Fixed/Variable

5. OPERATION THEATRE

(Gynaecology, ENT, Ophthalmology, Orthopaedics, Cardiovascular & Thoracic, Neuro)

SL. No	Equipment Name
1	OT Table Gynaecology
2	OT Table Electrohydraulic
3	OT Table Electric Model B
4	OT Table Electrohydraulic
5	Operating Microscope for ENT
6	Ophthalmic Microscope
7	Minor OT Table
8	4K 2D & 3D Video Imaging system for Laparoscopy/Endoscopy
9	4K Arthroscopy Set and accessories
10	Arthroscope & instruments Full set -knee & shoulder
11	Arthroscopy camera & instruments and shaver system Model B
12	Arthroscopic Radio Frequency Ablation System
13	Advanced High End Electrosurgical unit
14	Electrohydraulic C-arm compatible urology OT Table
15	Laparoscope system with Single Chip Camera
16	OT Light LED Dual Dome
17	OT Light LED Single Dome
18	OT light LED with Camera
19	OT integration
20	Flexible Direct Laryngoscope
21	Fumigation Machine
22	Surgical Instrument sets for Renal Transplant
23	Peripheral Nerve Stimulator
24	Nerve Locator with Mapper
25	Surgeons Chair Motorized

SL. No	Equipment Name
26	General instrument sets
27	Stapedectomy Set (ENT)
28	Instruments for Cataract Surgery
29	Instruments for Septoplasty
30	Instruments for Tonsillectomy
31	Speculums and retractors
32	Surgical Instrument sets for Orthopaedics
33	Laparoscopic Instruments for General Surgery
34	Laparoscopic Instruments for Minor Surgery
35	Basic Surgical instruments set
36	Surgical Diathermy/advanced
37	Vacuum Extractor and suction machine
38	Craniotomy Set
39	Laminectomy Set
40	Power Drill and Reamer Saw
41	Battery operated power drill and reamer saw & accessories
42	Navigation System for Knee Replacement Surgery
43	Electric cast cutter
44	Transforaminal HD Spine endoscope
45	Microdebrider
46	Fiber Optic Bronchoscope
47	ESWL machine
48	Endoscopic Instruments (Cystoscopes, Rotoscopes, Ureteroscope, Nephroscope, Endoscopic Baskets and stone punches
49	Holmium Lasers
50	Urethrotomes

SL. No	Equipment Name
51	Uroflowmetry Systems & Urodynamic Equipment
52	Heart Lung Machine with Heater Cooling Unit
53	Sternal Saw
54	High end head light led with rechargeable battery
55	ECMO
56	Micro instruments for Neurosurgery
57	Micro instruments in Neurosurgery for use in stroke patients
58	Cryo machine with probe (ophthalmology)
59	Collagen cross linking machine
60	Keratoplasty
61	Posterior segment surgical microscope
62	Two channel Audiometer and Tympanometer
63	Video Laryngoscope with Endoscope and Chest holder
64	Stapedectomy set
65	Cryo Surgical Unit
66	Micro ear surgery instruments
67	4K ENT Video Imaging System Type I
68	4K ENT Video imaging System Type II
69	Higher End Operating microscope for ENT with recording facility and monitor

6. NEUROLOGY

SL. No	Equipment Name
1	Repetitive Transcranial Magnetic Stimulation Machine
2	64 channel LTM EEG Machine with polysomnography including all sleep sensors
3	32 channel Digital Video EEG Machine
4	Spinal Endoscopy

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7. OPHTHALMOLOGY

SL. No	Equipment Name
1	Ophthalmic chair unit
2	Handheld Slit Lamp
3	A Scan
4	AB Scan
5	Slit Lamp with Imaging Facility
6	Slit lamp with 5 step magnification and camera
7	Slit lamp with Applanation tonometer
8	Digitalised Slit Lamp with Anterior Segment Photography
9	Slit lamp Biomicroscope
10	Auto lensometer
11	Manual lens meter
12	Trial set
13	Diode Laser
14	Optical Biometer Model A
15	Auto Refractometer

8. ENT

SL. No	Equipment Name
1	ENT OP Unit
2	Flexible Naso-pharyngo Laryngoscope
3	Impedance Audiometer
4	Soundproof Room
5	BERA
6	Otoscope
7	ENT Surgical Instruments
8	Suction apparatus
9	Headlight and Head Mirrors
10	Coblator and Debridors
11	Surgical Lasers
12	Two channel Audiometer and tympanometer

9. CARDIOLOGY

SL. No	Equipment Name
1	Echocardiography Machine
2	Treadmill Test Machine (TMT)
3	Temporary Pacemakers
4	IABP Machine

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10. DENTAL AND DENTAL LAB

SL. No	Equipment Name
1	Dental Chair Unit
2	Dental Laser
3	Surgical Micromotor
4	Dental Loupe
5	Composite Light Cure
6	Acrylizer
7	Cast trimmer
8	Dental lathe
9	Highspeed micromotor
10	Hydraulic press

11. PHYSICAL MEDICINE & REHABILITATION

SL. No	Equipment Name
1	Quadriceps table with weights
2	Computerized Interferential Therapy Unit with TENS
3	EMG & NCS
4	Upper & Lower Limb CPM
5	Equipment for Limb fitting centre
6	Ultrasound unit for physiotherapy
7	Shortwave Diathermy
8	Interferential Diathermy
9	Traction Unit with Accessories

12. NEPHROLOGY

SL. No	Equipment Name
1	Haemodialysis Machine
2	Bicarbonate Mixer
3	Weighing Machine Platform Type
4	Continuous Renal Replacement Therapy (CRRT) Machine
5	Peritoneal Dialysis (PD) Cyclers
6	RO Plant 1000,2000,3000 L
7	Dialysis Consumables
8	Dialyzer wash machines

13. FORENSIC MEDICINE

SL. No	Equipment Name
1	Autopsy Table Various Type
2	Embalming table
3	Autopsy workstation
4	Cold storage for Dead Bodies
5	Weighing machine for Organs
6	Brain Knife
7	Hack Saw
8	Dissection complete sets

14. LABORATORY

(Pathology, Microbiology, Histopathology, Biochemistry, Haematology)

SL. No	Equipment Name
1	Fully Automated ESR Analyser
2	Microscope with Camera
3	Urine Analyser
4	Fully Automated Coagulation Analyser
5	Fully Automated Haematology analyser 3 part
6	Fully Automated Haematology analyser 7 part
7	Fully Automated Biochemistry Analyser with ISE module
8	Electrolyte Analyser
9	Automated Blood Culture System
10	Microbiological Incubator
11	Electric Loop Sterilizer
12	Biosafety Cabinet Hood Class II
13	Binocular Microscope various types
14	Automatic Tissue Processor
15	ELISA Reader and Washer
16	Tissue Auto section Microtome
17	Serological Water bath Digital
18	Dry Bath
19	Paraffin embedding bath
20	Hot plated for flattening sections
21	Dissection Microscopes
22	Microtome, Rotary
23	HbA1C Analyser
24	Microplate spectrophotometer with touch screen
25	pH meter, TDS meter & Conduction meter

SL. No	Equipment Name
26	Haemostasis Analyser System
27	Micro centrifuge
28	Microwave Synthesizer
29	Multi- Mode Micro Plate Reader
30	Vapourised Hydrogen Peroxide Decontamination System
31	Tandem Mass Spectrometer
32	Sample Mixer
33	Biological Effluent decontamination plant
34	Laminar Air Flow Cabinet
35	Vertical Autoclave – Simple
36	Distilled Water Plant
37	Vertical Autoclave steam jacked – Small
38	Vertical Autoclave steam jacked - Large
39	BOD incubator
40	Colony Counter
41	Microwave Synthesizer
42	Multi - Mode Micro Plate Reader
43	Line Bolt Assay System and Accessories
44	Vaporized Hydrogen Peroxide Decontamination System
45	Tandem Mass Spectrometer
46	Biological effluent decontamination plant
47	Shaker Incubator

15. NEONATOLOGY

SL. No	Equipment Name
1	Ventilator – Neonatal & Paediatric
2	Photo therapy unit - Single surface LED Type
3	Photo therapy unit – Double Surface
4	Salter Baby Weighing Machine
5	Weighing Machine Electronic - Baby
6	Baby Warmer
7	Transcutaneous Bilirubinometer
8	Infantometer
9	Neonatal Transport Incubator Ventilator
10	Suction Low Pressure
11	Neonatal Resuscitation unit
12	Nasal Hi-Flow
13	Hospital Grade Electrical Breast pump

16. DERMATOLOGY

SL. No	Equipment Name
1	Fractional Co2 Laser
2	Intense pulsed Multi Light laser with Radio Frequency
3	RF excited Co2 laser
4	Iontophoresis Machine
5	Dermatoscope
6	Skin Analyzer Machine
7	Diode Laser

17. OBSTETRICS & GYNAECOLOGY

SL. No	Equipment Name
1	Hysteroscope & accessories
2	Labour suite
3	Multifunctional labour cot type 1
4	Multifunctional labour cot type 11
5	Suction Cannula
6	Foetal Monitor
7	Foetal Doppler



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