

Kasturba Hospital was established in 1944. Mahatma Gandhi Institute of Medical Sciences was established in 1969. The hospital and the medical college are in same campus in a shared building. Both the hospital and the institute are run by Kasturba Health Society. Kasturba Hospital was awarded 88.8% score and A1 grade when the NABH tool was applied by Rajiv Gandhi Jeevandayi Arogya Yojana, in 2015.

**\* Number of beds :**

A total of 934 beds are available in Kasturba hospital. The total number of beds is as follows:

S No	Type	Number	Total
1	Teaching beds <ul style="list-style-type: none"> <li>• Medicine: 140</li> <li>• Ob/Gyn: 90</li> <li>• Surgery: 120</li> <li>• Pediatrics &amp; Neonatology: 60</li> <li>• Orthopedics: 60</li> <li>• Ophthalmology: 60</li> <li>• ENT: 30</li> <li>• Psychiatry: 30</li> <li>• Dermatology: 30</li> <li>• Neurosurgery: 10</li> <li>• Radiotherapy: 30</li> </ul>	690	926
2	Service beds	100	
3	ICU beds (Neonatal, Pediatric, Medical, Coronary, Burns)	62	
4	Private beds	32	
5	Dr Sushila Nayar Hospital, Utawali (Melghat)	50	

**\* Number of specialty services : 18**

1. Anatomy
2. Physiology
3. Biochemistry
4. Pathology
5. Pharmacology
6. Microbiology
7. Forensic Medicine and Toxicology
8. ENT
9. Ophthalmology

- 10. Community Medicine
- 11. Medicine
- 12. Surgery
- 13. Obstetrics and Gynecology
- 14. Orthopedics
- 15. Dermatology, Venereology and Leprosy
- 16. Radiology
- 17. Radiotherapy
- 18. Anesthesiology

**\* Number of super-specialty services :**

1 (Neurosurgery).

The Cath lab in the Department of Medicine also provides services by trained staff

**\* Number of beds in ICU / ICCU / PICU / NICU, etc.**

ICU (Medicine):	26 beds
ICCU (Medicine, cath lab):	10 beds
NICU:	10 beds
PICU:	8 beds
Surgery ICU/ Burns	8 beds

Additional beds are provided in other departments as follows:

ICU (casualty: Ortho+ ENT)	8 beds
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**\* Number of operation theatres:**

The functional OTs at present are 13. They are assigned to various departments as follows:

S No	Department	No. of OTs	Grand Total
1	Surgery	3	13
2	Obstetrics and Gynecology	2	
3	ENT	2	

4	Orthopedics	2	
5	Ophthalmology	1	
6	Laparoscopy	1	
7	Pain management (Anesthesiology)	1	
8	Septic OT	1	

**\* Number of Diagnostic Service Departments:**

12

1. Pathology
2. Biochemistry
3. Microbiology
4. Radiology
5. Reproductive Biology Lab
6. Neurophysiology Lab
7. Cytogenetics Lab
8. Toxicology Lab
9. Endoscopy
10. ECG and Echocardiography
11. EEG Laboratory
12. Bone Densitometry (DEXA)

**\* Clinical laboratories**

3

1. Clinical Pathology
2. Clinical Biochemistry
3. Clinical Microbiology

**\* Service areas viz. laundry, kitchen, CSSD, Backup power supply, AC plant, Manifold Rooms, pharmacy services:**

**LAUNDRY:** The hospital laundry services have been outsourced to a private firm.

**KITCHEN:** The hospital kitchen provides dietary services and is supervised by a dietician. In 2015-16, the kitchen served 174898 meals (normal, salt restricted, diabetic, soft and liquid diets) to indoor patients. The kitchen also served 101282 meals to nursing students and guests.

**CSSD:** The hospital has its own central sterile service department. The Central Sterile Services Department is responsible for the processing and sterilization of instruments and medical devices required for operations and sterile procedures in the Operating Theatres, OPDs, Wards and Radiology Department etc.

ENGINEERING SECTION: Adequate generator facility is provided 24X7 in all clinical sections of the institute. Essential equipment have power backup. Uninterrupted supply has been safeguarded for 24 hours. Central cooling arrangements are available in the OT complex and ICUs. At other places AC or air cooling facility is provided as per requirements.

MANIFOLD ROOM: For oxygen cylinders

PHARMACY SERVICES: Two 24 x 7 pharmacies are available in the hospital which sell drugs at highly subsidized prices. They are manned by trained pharmacists. The pharmacy is licensed by FDA. The medicines are stored as per FDA recommendations. Sound inventory control practices are followed. All stock records are electronically maintained. Medicines which are lookalike and sound alike (LASA drugs) are stored separately in the medicine stores. Temperature of the refrigerators is recorded twice a day i.e in morning and in evening We have introduced computerized prescriber order entry (CPOE) to prescribe drugs.

More details are provided below in the separate section on Pharmacy Services.

**\* Blood Bank services:**

Kasturba Blood Bank started functioning in the year 1970. In the year 1978 it was upgraded to the Regional Transfusion centre by the State Blood Transfusion Council (SBTC). It was one of the 8 blood banks in Maharashtra selected by NACO for assistance. The Component Unit was started in the year 2007.

The Blood Bank meets all requirements of whole blood and blood components for the entire hospital. All collections are voluntary and there is in-house facility of screening blood for five transfusion transmittable infections. The blood bank offers free services to patients of thalassemia.

Policy:

- To ensure easily accessible and adequate supply of safe and quality blood and blood components collected / procured from voluntary donors in well-equipped premises, which is free from transfusion transmitted infections and is stored and transported under optimum conditions.
- Transfusion under supervision of trained personnel for all who need it irrespective of their economic or social status through comprehensive, efficient and a total quality management approach.

The blood bank data for the last five years is as follows:

<b>Investigations</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Blood grouping and Rh typing					
In patients	17345 x 2	15172 x 2	12665 x 2	14441 x 2	13814 x 2
In donors	6738 x 2	6635 x 2	6343 x 2	6426 x 2	6627 x 2

	Subgrouping A1 and A2	1683	1697	1610	1551	1710
	Blood bags collected	6738	6635	6342	6426	6627
	Total screening tests	33704	32789	31794	32492	39654
Total units issued						
	Whole blood	5700	5335	5267	5011	5310
	Packed red cells	776	1065	1078	1194	1000
	Platelet concentrate	622	478	397	622	459
	Fresh Frozen Plasma	780	1035	1119	851	1130
	Total Cross match	6476	6400	6345	6205	6510
	Blood donation camps	47	44	43	39	37
Blood issued to						
	Thalassemia patients	323	437	132	475	397
	SCD patients	137	224	178	178	194

**\* Casualty services/Accident and Emergency Services**

The Hospital Accident and Emergency Centre is provided with an experienced casualty medical officer (CMO) on a 24 hour basis. Clinical staff on duty is available in campus and resident doctors are available in duty rooms adjacent to casualty. Residents and interns perform emergency duties on shift basis. Their hourly duty chart for next 10 days is intimated in advance to the Medical Superintendent and meticulously followed by all concerned.

Adequate first aid, life support, resuscitation measures and emergency medications are available in casualty.

There are ten beds in casualty. Additionally 8 beds are available in the ICU adjacent to casualty. The Clinical Forensic Medicine Unit (CFMU) staff is also available round the clock in the casualty. They perform medicolegal examination and prepare necessary reports only after ensuring that adequate first aid and life support measures have been provided to patients who need to be registered with a medico-legal case (MLC).

Experts from clinical departments settle the emergencies in casualty and afterwards move such patients to the corresponding units or wards f

**\* Ambulance services:**

24x7 ambulance services are provided by hospital at an affordable price. One specialized ambulance for trauma centre and three other ambulances are owned by Kasturba hospital. The ambulance can be asked for from this phone number: 07152-284341-55 (16 lines) : Ext. 229 Voluntary social organizations also cater to the need of local public with ambulance service.

### **Hospital Pharmacy services:**

Two 24/7 pharmacies opened in the hospital premises to ensure that our registered inpatients and outpatients can access drugs at affordable prices. On an average, our in-hospital pharmacy receives 2000 prescriptions every day- close to half a million prescriptions in 2014.

Beginning 2010, we implemented a low-cost drug initiative at MGIMS aimed at providing appropriate and affordable drugs to our patients. We procured drugs at substantially cheap prices by inviting competitive quotations from drug distributors and used the electronic hospital information system to buy, stock and dispense drugs and surgical items.

We have introduced computerized prescriber order entry (CPOE) to prescribe drugs. We also created e-prescriptions on the iPad app, specially designed for this purpose. The electronic applications help doctors identify drugs by both their generic names, check for their availability in the drug store and display their prices- thus minimizing prescription errors and improving the quality of evidence-based therapies. We made doctors and public aware of the benefits of the initiative and banned all drug representatives from showcasing their products in the hospital. We encourage our residents to prescribe drugs by their generic names.

The low-cost drug initiative has substantially reduced the cost of medical treatment at Kasturba hospital, both in outpatient and inpatient setting. Patients with catastrophic illnesses as well as those with chronic diseases have found significant difference in the cost of medications they buy at MGIMS compared to the market pharmacies.

#### **\* Drug poison information service:**

This service is provided by the Pharmacovigilance centre under adverse drug reactions.

#### **\* Pharmacovigilance:**

The Pharmacovigilance centre in the Department of Pharmacology is a recognized regional centre sponsored by WHO and has been providing service for the last five years. PVPI Ghaziabad provides funding to run the centre. Reports of adverse drug reactions (ADR) are collected from Kasturba Hospital, private hospitals, practitioners and also from AVB Hospital associated with JN Medical College Sawangi and PDM Medical College Hospital Amravati. ADR data are uploaded by the regional centre. Basic information about drugs is provided by the centre to all medical and paramedical workers and citizens.

#### **\* Mortuary, cold storage facility:**

The available mortuary chambers are as follows:

Forensic Medicine Department: capacity for storage of 8 bodies, (size 8'x8'x6') in fixed cabinets available on 24x7 basis, connected with casualty to keep bodies temporarily for autopsy or transportation purpose.

Department of Anatomy: capacity of storage of 10 bodies for teaching purposes, developed for temporary storage of donated bodies.

