

# Indian Public Health Standards (IPHS) for 51 to 100 bedded Sub-District/Sub-Divisional Hospitals

January 2007



Directorate General of Health Services Ministry of Health & Family Welfare Government of India



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# Foreword

The Government of India is strongly committed to strengthen the whole range of public health infrastructure including Sub-district/Sub-divisional Hospitals for improving the availability and accessibility of affordable quality services to the people. Most of the existing Sub-district/Sub-divisional Hospitals require improvement of physical infrastructure as they are mostly located in old buildings, in towns, where there is no scope for more physical expansion of the building. There is shortfall of manpower, equipments, drugs and other logistics supply etc. too. Quality management and quality assurance procedures are also needed to make their functioning more effective, affordable and accountable.

A Sub-district/Sub-divisional Hospital has an important role to play as the First Referral Unit in providing emergency obstetrics care and neo-natal care and help in bringing down the maternal mortality and infant mortality. The National Rural Health Mission (NRHM) launched by the Hon'ble Prime Minister of India aims to restructure the health delivery mechanism in the rural areas. Formulation of Indian Public Health Standards (IPHS) is a step in the direction of achieving the level of quality that these Hospitals are expected to meet or aspire to.

The Indian Public Health Standards (IPHS) for Sub-district/Sub-divisional Hospitals has been worked out by constituting Expert Group comprising various stakeholders under the Chairmanship of Director General Health Services, Ministry of Health & Family Welfare, Government of India. These Standards have been prepared bed strength-wise for 31-50 beds and 51-100 beds. The Indian Public Health Standards (IPHS) for Sub-district/Sub-divisional Hospital has been prepared, keeping in view the minimum resources available and mention functional level of the Hospitals in terms of space, manpower, instruments, drugs and other basic health care services. Constitution of Rogi Kalyan Samittee/Management Committee with involvement of PRIs, Citizen Charter are expected to make improvement in the functioning and accountability of these Hospitals.

It is emphasized that setting Standards is a dynamic process and will require revision at regular intervals. It is hoped that this document will be useful to all the stake holders. Any comment for further improvement is most welcome.

I would like to acknowledge the efforts put in by the Director General of Health Services and Infrastructure Division in preparing the Guidelines.

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(Naresh Dayal) Secretary (H&FW) Ministry of Health & Family Welfare Government of India

New Delhi Dated : 16<sup>th</sup> May, 2007

# Preface

Sub-district/Sub-divisional Hospitals act as the First Referral Units for provision of specialist services to the population from neighbouring Community Health Centres. They have an important role to play in providing emergency obstetrics care and neo-natal care and help in bringing down the maternal mortality and infant mortality. The Government of India through the National Rural, Health Mission (NRHM) is committed to strengthen these Hospitals to a level of Indian Public Health Standards (IPHS).

Standards are a means of describing a level of quality that health care organizations are expected to meet or aspire to. The performance of these Hospitals can then the assessed against the set of Standards prescribed. Currently, the available Standards developed by the Bureau of Indian Standards (BIS) are short of ensuring community involvement, accountability and rights of citizens that are important for Public Hospitals. Therefore, for the first time under National Rural Health Mission (NRHM), an effort has been made to prepare Indian Public Health Standards (IPHS) for Sub-districts/Sub-divisional Hospitals in the country.

The Standards have been prepared in consultation with the Expert Group constituted for this purpose and taking in to consideration the minimum functional level needed for providing a set of assured services.

Setting Standards is a dynamic process and this document is not an end in itself. Further revision of Standards will occur as and when these Hospitals achieve a minimum functional grade. The contribution of the Expert Group members, and the efforts made by the Infrastructure Division of the Ministry of Health & Family Welfare in bringing out the first document of IPHS for Sub-district/ Sub-divisional Hospitals is well appreciated. I hope that this document will be of immense help to the State governments and other stakeholders in bringing up these Hospitals to the level of Indian Public Health Standards.

(Dr. R.K. Srivastava) Director General of Health Services Ministry of Health & Family Welfare Government of India

New Delhi Dated: 16<sup>th</sup> May, 2007

# Acknowledgements

Indian Public Health Standards (IPHS) for the Sub-district/Sub-divisional Hospitals fulfill the needs of secondary referral care which may be useful as a referral document for the delivery of quality health care. The document is the result of efforts put in by both the government and non-government organizations. As the population and geographical size of the Sub-division varies in different States and UTs, an attempt has been made to formulate IPHS for hospitals having different bed strengths such as 31-50 and 51-100 bedded hospitals. This document contains the Standards set for 51-100 bedded hospital at Sub-district/Sub-divisional level.

I gratefully acknowledge the valuable contribution made by all the members of the Expert Group constituted to formulate Indian Public Health Standards (IPHS) for the Sub-district/Subdivisional Hospitals. I am thankful to them individually and collectively.

I also gratefully acknowledge the initiative, encouragement and guidance provided by Dr. R.K. Srivastava, Director General of Health Services and Smt. S. Jalaja, Additional Secretary. The help and encouragement provided by Shri Amarjeet Sinha, Joint Secretary(H&FW), M/o Health & Family Welfare, Government of India is also gratefully acknowledged.

I would specifically like to thank Dr. R.N. Salhan, AddI D.G. and Medical Superintendent (Safdarjang Hospital), Dr. Shivlal, Additional D.G. and Director (NICD) and Shri S. Majumdar, Chief Architect, Bureau of Design, Ministry of Health & Family Welfare for their valuable contribution and guidance in formulating the IPHS for the Sub-district/Sub-divisional Hospitals.

The preparation of this document has been made possible by the assistance provided by Smt. Sushma Rath, Under Secretary (ID/PNDT) and the secretarial and typing assistance provided by Sh. Brij Mohan Singh Bhandari. The assistance provided by the staff of Rural Health Section of the M/o Health & Family Welfare is duly acknowledged.

(Dr. S.K. Satpathy) Member Secretary – Expert Group Director Central Health Education Bureau Directorate General of Health Services Ministry of Health & Family Welfare Government of India

New Delhi Dated: 16th May, 2007

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#### 1. Introduction

Sub-district (Sub-divisional) hospitals are below the district and above the block level (CHC) hospitals and act as First Referral Units. Specialist services are provided through these sub-district/ district hospitals. These hospitals should play an important referral link between the Community Health Centres, Primary Health Centres and subcentres. They have an important role to play as First Referral Units in providing emergency obstetrics care and neonatal care and help in bringing down the Maternal Mortality and Infant Mortality. It also saves the travel time for the cases needing emergency care and reduces the workload of the district hospital. In some of the states, each district is subdivided in to two or three sub divisions. A subdivision hospital caters to about 5-6 lakhs people. In bigger districts the sub-district hospitals fills the gap between the block level hospitals and the district hospitals. There are about 1200 such hospitals in the country with a varying strength of number of beds ranging from 50 to 100 beds or more.

The Government of India is strongly committed to strengthen the health sector for improving the availability, accessibility of affordable quality health services to the people. In order to improve the quality and accountability of health services a set of standards need to be there for all health service institutions including sub-district hospitals.

Standards are a means of describing the level of quality that health care organizations are expected to meet or aspire to. The key aim of standard is to underpin the delivery of quality services which are fair and responsive to client's needs, which should be provided equitably and which deliver improvements in health and well being of the population. Standards are the main driver for continuous improvements in quality. The performance of Sub-district hospitals can be assessed against a set of standards.

There has been effort to set standards for 30 and 100 bedded hospitals by the Bureau of Indian Standards (BIS). However, these standards are considered very resource intensive and lack the process to ensure community involvement, accountability and citizens charter issues that are important for public hospitals.

The National Rural Health Mission(NRHM) has given the opportunity to set Indian Public Health Standards(IPHS) for various health institutions at different levels right from Sub-centre to District Hospital level including Sub-district/Sub-divisional Hospitals.

The current effort is to prepare Indian Public Health Standards for the Sub-district Hospitals. Reference has been made to the BIS Standard for 100 bedded hospitals; Rationalisation of Service Norms for Secondary Care Hospitals prepared by Govt. of Tamil Nadu; District Health Facilities, -Guidelines for Development and Operations, WHO, 1998 and Indian Public Health Standards (IPHS) for Community Health Centres. Setting standards is a dynamic process. This document contains the standards to bring the Sub-district Hospitals to a minimum acceptable functional grade with scope for further improvement in it. These standards are flexible as per the requirements and resources available to the concerned State/UT Government. The timeframe for implementation and achievement of these Standards could be extended for five years and to be done in phases.

Most of the existing hospitals below district level (51-100 Bed category) are located in older buildings in urbanized areas / towns as compared to most Primary Health Centres / Sub-centres. The expansions already done have resulted in construction touching the boundaries walls with no scope of further expansions. As far as possible, States should not dislocate the said hospitals to a new location (in case of dislocating to a new location, the original client group will not be able to have same access to the desired health facilities)

#### 2. Objectives of Indian Public Health Standards (IPHS) for Sub-District Hospitals:

The overall objective of IPHS is to provide health care that is quality oriented and sensitive to the needs of the people of the district. The specific objectives of IPHS for Sub District Hospitals are:

- i. To provide comprehensive secondary health care (specialist and referral services) to the community through the Sub District Hospital.
- ii. To achieve and maintain an acceptable standard of quality of care.
- To make the services more responsive and sensitive to the needs of the people of the district and act as the First Referral Unit (FRU) for the hospitals/centers from which the cases are referred to the Sub District hospitals

#### 3. Definition of Sub District hospitals

The term Sub District / Sub Divisional Hospital is used here to mean a hospital at the secondary referral level responsible for the Sub District / Sub Division of a defined geographical area containing a defined population.

#### 4. Grading of Sub District hospitals

The size of a sub district hospital is a function of the hospital bed requirement, which in turn is a function of the size of the population it serves. In India the population size of a sub district varies from 1,00,000 to 5,00,000. Based on the assumptions of the annual rate of admission as 1 per 50 populations and average length of stay in a hospital as 5 days, the number of beds required for a sub district having a population of 5 lakhs will be around 100-150 beds. However, as the population of the sub district varies a lot, it would be prudent to prescribe norms by grading the size of the hospitals as per the number of beds.

Grade I: Sub District hospitals norms for 100 beds or more

Grade II: Sub District hospitals norms for 50 beds not exceeding 100 beds

The minimum functional grade of the two different grades of sub district hospitals requiring the physical infrastructure, manpower, diagnostic and investigation facilities, equipment norms, drugs and other supportive services etc. have been given.

#### 5. Functions

A sub district hospital has the following functions:

- 1. It provides effective, affordable healthcare services (curative including specialist services, preventive and promotive) for a defined population, with their full participation and in co-operation with agencies in the district that have similar concern. It covers both urban population (sub divisional headquarter town) and the rural population of the sub division.
- 2. Function as a referral centre for the public health institutions below the district level such as Sub-divisional Hospitals, Community Health Centres, Primary Health Centres and Sub-centres.

3. Provide education and training for primary health care staff.

#### 6. Essential Services (Minimum Assured Services)

Services include OPD, indoor, emergency services.

Secondary level health care services regarding following specialties will be assured at hospital:

**Consultation** services with following specialists:

**General Medicine** 

General Surgery

O&G

Paediatrics

Emergency/A&E

Critical care

Anaesthesia

Opthalmology

ENT

Dermatology and Venerology (Skin & VD) RTI/STI Orthopaedics

Dental care

AYUSH

**Diagnostic** and other Para clinical services regarding:

Lab, X-ray, Ultrasound, ECG, Blood transfusion and storage, and physiotherapy

**Support services:** Following ancillary services shall be ensured:

Medico legal/postmortem\*

Ambulance services

- Dietary services
- Laundry services
- Security services
- Housekeeping and sanitation
- Waste management
- Office Management (Provision should be made for computerized medical records with anti-virus facilities whereas alternate records should also be maintained)
- Counseling services for domestic violence, gender violence, adolescents, etc. Gender and socially sensitive service delivery be a1ssured.
- Inventory Management
- \* Subject to location and District Headquarter.

#### Financial powers of Head of the Institution

Medical Superintendent to be authorized to incure and expenditure up to Rs.15.00 lakhs for repair/upgrading of impaired equipments/ instruments with the approval of executive committee of RKS. Financial accounting and auditing be carried out as per the rules along with timely submission of SOEs/UCs.

No equipment/instruments should remain non-functional for more than 30 days. It will amount to suspension of status of IPHS of the concerned institutions for absence period.

Outsourcing of services like laundry, ambulance, dietary, housekeeping and sanitation, waste disposal etc. to be arranged by hospital itself. Manpower and outsourcing work could be done through local tender mechanism.

Following services mix of procedures in medical and surgical specialties would be available:

# SERVICE MIX OF PROCEDURES IN MEDICAL AND SURGICAL SPECIALITIES

MED	DICAL		
1	Pleural Aspiration		
2	Skin scraping for fungus / AFB	i a galasi	
3	Skin Biopsies	and the second	
4	Abdominal tapping		
OPD	Procedures (Including IPD)		
1	Dressing (Small, Medium and Large)		
2	Injection (I/M & I/V)		
3	Catheterisation		
4	Steam Inhalation		
5	Cut down (Adult)		
6	Enema		
7	Stomach Wash		1
8	Douche		
9	Sitz bath	Adapties	
10	Blood Transfusion		
11	Hydrotherapy		Traffic 4
12	Bowel Wash		Solar Str
Skin	Procedures		
1	Chemical Cautery		e en
2	Electro Cautery	Adadate	din.
3	Intra Lesional Injection		
4	Biopsy	Pigues	Salar.
Paed	iatric Procedures		wide.
1	Immunization (BCG, OPV, DPT, Measles, DT) / Children Ward / ORT corner		
2	Services related to new borne care + all procedures as mentioned in IMNCI		
2.1	- only cradle		

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2.2	- Incubator
2.3	- Radiant Heat Warmer
2.4	- Phototherapy
2.5	- Gases (oxygen)
2.10	- Cut down
2.12	- Ventilator
Card	ology Procedures and Diagnostic Tests
1	ECG
2	Defibrilator Shock
3	Laproscopy (Diagnostic and Therapeutic)
Phys	iotherapy Services
1	With Electrical Equipments
1.1	- Short wave diathermy
-1.2	- Electrical Stimulator
1.3	- Ultra Sonic Therapy
1.4	- Infra Red Lamp (Therapy)
1.5	- Electric Vibrator
2	With Mechanical Gadgets/Exercises
2.1	- Mechanical Tractions (Lumber & Cervical)
• 2.2	- Exercycle
2.3	- Shoulder Wheel
2.4	- Walking Bars
2.5	- Post Polio Exercise
Eye S	pecialist Services (Opthalmology)
1	OPD Procedures
1.1	- Refraction (by using snellen's chart)
and an and a	- Prescription for glasses using Trial frame.
1.2	- Syringing and Probing

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1.3	- Foreign Body Removal (conjuctival)		
1.4	- Foreign Body Removal (Corneal)		
1.5	- Epilation		
1.6	- Suture Removal		<u> </u>
1.7	- Subconj Injection		
1.8	- Retrobular Injection (Alcohol etc.)		the second s
1.9	- Tonometry	· · · ·	
1.10	- Pterygium Excision		
1.11	- Syringing & Probing		and the second
1.12	- I & C of chalazion	, K	
1.13	- Wart Excision		
1.14	- Stye		and the second
1.15	- Cauterization (Thermal)		
1.16	- Conjuctival Resuturing		
1.17	- Corneal Scarping		
1.18	- I & D Lid Abscess		
1.19	- Uncomplicated Lid Tear		
1.20	- Indirect Opthalmoscopy		
1.21	- Retinoscopy		
2	IPD Procedures		
2.1	- Cataract Extraction		
2.2	- Glaucoma (Trabeculectomy)		
2.3	- Small Lid Turnour Excision		
2.4	- Conjuctival Cyst		
ENT	Services		
1	OPD Procedures		
1.1	- Foreign Body Removal (Ear and Nose)		

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1.2	- Syringing of Ear	
1.3	- Chemical Cauterization (Nose & Ear)	
1.4	- Eustachian Tube Function Test	
<sup>-</sup> 1.5	- Vestibular Function Test/Caloric Test	
2	Minor Procedures	
· 2.1	- Therapeutic Removal of Granulations (Nasal, Aural, Oropharynx)	
2.2	- Cautrization (Oral, Oropharynx, Aural & nasal)	
3	Nose Surgery	
3.1	- Packing (Anterior & Posterior Nasal)	
3.2	- Antral Punchure (Unilateral & Bilateral)	
3.3	- I & D Septal Abscess (Unilateral & Bilateral)	
3.4	-SMR	
3.5	- Septoplasty	
3.6	- Fracture Reduction Nose	
3.7	- Fracture Reduction Nose with Septal Correction	
4	Ear Surgery	
4.1	- Ear Piercing	
4.2	- Hearing Aid Analysis and Selection	
5	Throat Surgery	
5.1	- Adenoidectomy	
5.2	- Tonsillectomy	
5.3	- Adenoidectomy + Tonsillectomy	
5.4	- Tongue Tie excision	
6	Endoscopic ENT Procedures	
6.1	- Direct Laryngoscopy	
6.2	- Hypopharyngoscopy	
6.3	- Broncoscopic Diagnostic	

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7       General ENT Surgery         7.1       - Stiching of LCW (Nose & Ear)         7.2       - Preauricular Sinus Excision         7.3       - Tracheostomy         8       Audiometry         8.1       - Audiogram (Pure tone and Impedence)         Obstetric & Gynecology Specialist Services         1       Episiotomy         2       Forceps delivery, VECC         3       Craniotomy-Dead Fetus/Hydrocephalus         4       Caeserean section         5       Female Sterilisation (Mini Laparotomy & Laparoscopic)         6       D&C
7.2       - Preauricular Sinus Excision         7.3       - Tracheostomy         8       Audiometry         8.1       - Audiogram (Pure tone and Impedence)         Obstetric & Gynecology Specialist Services         1       Episiotomy         2       Forceps delivery, VECC         3       Craniotomy-Dead Fetus/Hydrocephalus         4       Caeserean section         5       Female Sterilisation (Mini Laparotomy & Laparoscopic)         6       D&C
7.3       - Tracheostomy         8       Audiometry         8.1       - Audiogram (Pure tone and Impedence)         Obstetric & Gynecology Specialist Services         1       Episiotomy         2       Forceps delivery, VECC         3       Craniotomy-Dead Fetus/Hydrocephalus         4       Caeserean section         5       Female Sterilisation (Mini Laparotomy & Laparoscopic)         6       D&C
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8.1       - Audiogram (Pure tone and Impedence)         Obstetric & Gynecology Specialist Services         1       Episiotomy         2       Forceps delivery, VECC         3       Craniotomy-Dead Fetus/Hydrocephalus         4       Caeserean section         5       Female Sterilisation (Mini Laparotomy & Laparoscopic)         6       D&C
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2       Forceps delivery, VECC         3       Craniotomy-Dead Fetus/Hydrocephalus         4       Caeserean section         5       Female Sterilisation (Mini Laparotomy & Laparoscopic)         6       D&C
4     Caeserean section       5     Female Sterilisation (Mini Laparotomy & Laparoscopic)       6     D&C
4     Caeserean section       5     Female Sterilisation (Mini Laparotomy & Laparoscopic)       6     D&C
6 D&C
7 MTP
8 Bartholin Cyst Excision
9 Suturing Perimeal Tears
10 Assisted Breech Delivery
11 Cervical Cautery
12 Nomal Delivery
13 Casserian
14 EUA
15 Midtrimestor Abortion
16 Ectopic Pregnancy Ruptured
17 Retain Placenta
18 Suturing Cervical Tear
19 Assisted Twin Delivery

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Den	Dental Services		
1	Dental Caries/Dental Abcess/Gingivitis		
2	Periodontitis		
3	Minor Surgeries, Impaction, Flap		
4	Trauma including Vehicular Accidents		
5	Sub Mucus Fibrosis (SMF)		
6	Scaling and Polishing		
7	Root Canal Treatment		
8	Extractions		
9	Light Cure		
10	Amalgum Filling (Silver)		
11	Sub Luxation and Arthritis of Temporomandibular Joints		
12	Pre Cancerous Lesions and Leukoplakias		
13	Intra oral X-ray		
14	Complicated Extractions (including suturing of gums)		
SUR	SURGICAL		
1	Abcess drainage including breast & perianal		
2	Wound Debridement		
3	Appendicectomy		
4	Fissurotomy or fistulectomy		
5	Hemorrohoidectomy		
6	Circumcision		
7	Hydrocele surgery		
8	Herniorraphy		
9	Suprapubic Cystostomy		
10	Diagnostic Laparoscopy		
11	Cysts and Benign Tumour of the Palate		
12	Excision Submucous Cysts		

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Brea	ist	in a second	
1	Excision fibroadenoma – Lump		
Hernia			
1	Ingunial Hernia repair reinforcement		
2	Ingunial Hernia repair with mesh		
3	Femoral Hernia repair	•	
4	Recurrent Ingunial Hernia repair		
5	Strangulated Ventral or Incisional Hernia/Ingunial		
Abd	omen		
1	Exploratory Laparotomy	i.	
2	Gastrostomy or Jejuncstomy		
3	Simple Closure of Perforated Ulcer		
4	Burst Abdomen Repair		
Appendix			
1	Emergency Appendisectomy		
2	Interval Appendisectomy		
3	Appendicular Abscess Drainage		
Sma	II Intestine		
1	Resection and Anastomosis	- 時	
2	Multiple Resection and Anaestomosis		
3	Intestinal Performation		
Live	r		
1	Open Drainage of liver abscess		
2	Drainage of Subdia, Abscess/Perigastric Abscess		
Bilia	ary System		
1	Cholecystostomy		
2	Cholecystectomy		
3	Cholecystectomy and Choledocholithotomy		

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1	Fistula in ane low level	
2	Fistula in ane high level	
3	Catheters	
4	IV Sets	
5	Colostomy Bags	· · · · · · · · · · · · · · · · · · ·
3	Perianal Abscess	
7	Ischiorectal Abscess	
3	lleostomy or colostomy alone	
9	Haemorroidectomy	
10	Anal Sphincter Repair after injury	
11	Resection anastomosis	
Peni	s, Testes, Scrotum	
1	Circumcision	
2	Partial amputation of Penis	· · · · ·
3	Total amputation of Penis -	
4	Orchidopexy (Unilateral & Bilateral)	
5	Orchidectomy (Unilateral & Bilateral)	
6	Hydrocele (Unilateral & Bilateral)	
7	Excision of Multiple sebaceous cyst of scrotal skin	
8	Reduction of Paraphimosis	
Othe	r Procedures	
1. 1. 	Suture of large laceration	
2	Suturing of small wounds	
3	Excision of sebaceous cyst	
4	Small superficial tumour	
5	Repair torn ear lobule each	a

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7	Injection Haemorrhoids/Ganglion/Keloids	
8	Removal of foreign body (superficial)	
9	Removal of foreign body (deep)	and starting of
10	Excision Multiple Cysts	
11	Tongue Tie	
12	Debridment of wounds	
13	Excision carbuncle	
14	Ingroving Toe Nail	•
15	Diabetic Foot Asnd carbuncle	
Urol	ogy	
1	Pyelolithotomy	
2	Nephrolithotomy	the state
3	Simple Nephrostomy	
4	Uretrolithotomy	
5	Open Prostectomy	7.16 <sup>-1</sup> 1
6	Cystolithotomy Superopubic	
7	Dialatition of stricture urethra under GA	2443 - 1 C. 1
8	Dialation of stricture urethra without anaesthesia	
9	Meatotomy	·
10	Trocar Cystostomy	
Plas	tic Surgery	
1	Burn Dressing Small, medium (10% to 30%), large 30% to 60	%, extensive > 60%
2	Ear lobules repair one side (bilateral)	all a second and a second a s
3	Simple wound	•
4	Complicated wound	
5	Simple injury fingers	
6	Multiple finger injury	. veneti 👘 🖓
7	Crush injury hand	

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8	Polio Surgery	
<b>'</b> 9	Surgery concerning disability with Laprosy	
10	Surgery concerning with TB	
Pae	diatric Surgery	
1	Minor Surgery, I & D, Prepuceal Dilatation, Meatotomy	
Órth	opaedic Surgery	
1	Hip Surgery	
2	Femoral Neck nailing with or without plating replacement prosthesis / Upper Femoral Osteotomy; Innominate Osteotomy/Open Reduction of Hip disclocation; DHS/Richard Screv Plate	
3	Synovial or bone biopsy from HIP	
4	Girdle stone Arthoplasty	
5	Fractures	
6	Open reductuin int, fixation or femur, tibia, B. Bone, Forarm Humerus inter-condylar fracture of humerus and femur and open reduction and int. Fixation bimaleolar fracture and fracture dialocation of ankle montaggia fracture dialocation	
7	Medial condyle of humerus fracture lateral condyle of humerus Olecranen fracture, head o radius lower end of radius, medial malleolus patella fracture and fracture of calcaneum talus single forearm, bone fracture	
8	Ext. fixation of hand & foot bones	
9	Tarsals, Metatarsals, Phalanges carpals, Metacarples, excision head fibula, lower and of Inia	
10	Interlocking nailing of long bones	
11	Debridement & Secondary closure	
12	Percutaneous Fixation (small and long bones)	
13	Closed Reduction	
14	Hand, Foot bone and cervicle	
15	Forearm or Arm, Leg, Thigh, Wrist, Aknle	
16	Dislocation elbow, shoulder, Hip, Knee	
17	Closed Fixation of hand / foot bone	
18	Ingrowing toe-nail	

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RECOMMENDED SERVICE MIX (SUGGESTED ACTIONS) FOR DIFFERENT ILLNESSES CONCERNING DIFFERENT SPECIALITIES:

S.	NAME OF THE ILLNESS	RECOMMENDED SERVICE MIX
No		(SUGGESTED ACTIONS)
1	Bleeding during first trimester	Treat
2	Bleeding during second trimester	Treat
3	Bleeding during third trimester	Treat
4	Normal Delivery	Yes
5	Abnormal lablour (Mal presentation,	Treat / Refer
	prolonged labour, PROM,	
	Obstructed labour)	
6	РРН	Treat and refer if necessary
7	Puerperal Spesis	Treat and refer if necessary
8	Ectopic Pregnancy	Diagnose & refer if necessary
9	Hypertentive disorders	Conservative management and follow -
		up servcies
10	Septic abortion	Treat and refer if necessary
11	Medical disorders complicating	Diagnose and refer
	pregnancy (heart disease, diabetes,	
	hepatitis )	
12	Bronchial asthma	Diagnose , first aid and delivery
Gyr	necology	
1	RTI / STI	Treat
2	DUB	Treat and refer if necessary
3	Benign disorders (fibroid, prolapse,	Diagnose and refer
	ovarian masses)	
	Initial investigation at PHC / Gr III level	
4	Breast Tumors	Refer
5	Cancer Cervix screening	Collection of PAP SMEAR and biopsy
	Initial investigation at PHC / Grade III level	· · · · · · · · · · · · · · · · · · ·
6	Cancer cervix /ovarian Initial	Diagnose and refer
	investigation at PHC / Gr III level	and the second
7	Infertility	Investigate and refer
8	Prevention of MTCT	Refer
9	MTP / MVA services	Treat
10	Tubectomy	Yes

#### **Obstetric & Gynecology**

# **GENERAL MEDICINE**

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S. No	NAME OF THE ILLNESS	RECOMMENDED SERVICE MIX (SUGGESTED ACTIONS)	
1	Fever -a) Short duration (<1 week)	Basic investigation and Treatment	
	Fever -b) Long duration (>1 week)	Investigation and treatment	
		Refer if necessary	
	c) Typhoid	Treat	
n dalar Second	d) Malaria / Filaria	Treat	
	e) Pulmonary Tuberculosis.	Treat	
	f) Viral Hepatitis	Treat	
• •	g) Leptospirosis / Menningitis and	Refer to Gr-I / G-II District level	
	Haemorrhagic fever		
	h) Malignancy	Refer to Gr-I / G-II District	
2	COMMON RESP. ILLNESSES :		
	Bronchial Asthma / Pleuraleffusion /	Diagnose and Treat	
and the second	Pneumonia / Allergic		
An and a second an	Bronchitis/COPD		
3	COMMON CARDIAC PROBLEMS		
	a) Chest pain (IHD)	Treat and decide further management	
	b) Giddiness (HT)	Diagnose and treat	
4	GITRACT	· · · · · · · · · · · · · · · · · · ·	
	a) G I Bleed / Portial hypertension /	Emergencies - Ref. To Gr-II / Gr-I -	
	Gallblader disorder	District Hospital	
	b) AGE / Dysentry / Diarrhoreas	Treat	
5	NEUROLOGY	2.	
	a) Chronic Hpeadache	Ref. To Gr - I sub district	
	b) CVA/TIA/Hemiplegia/ Paraplegia	Ref. To Gr - I / G-II district	
6	HAEMATOLOGY		
	a) Anaemia	Basic investigation and Treatment	
		Refer if necessary	
	b) Bleeding disorder	Stabilise Ref. To tertiary	
	c) Malignancy	Ref. To Gr - I / G-II district	
7	Communicable Diseases		
	Cholera, Measles, Mumps, and Chickenpox	Treat	
8	Psychological Disorders		
	Acute psychosis / Obsession / Anxiety neurosis	Screening, emergency care and referral	

#### PAEDIATRICS

S. No	NAME OF THE ILLNESS	RECOMMENDED SERVICE MIX (SUGGESTED ACTIONS)
1	ARI/ Bronchitis Asthmatic	Investigate, Diagnose, Nebulizator Treat & Refer if no improvement
2	Diarrohoeal Diseases	Diagnose Treat (ORS, IVF), <b>ORT Corner</b> Refer if no improvement
3	Protein Energy Malnutrition and Vitamin Deficiencies	Diagnose, Treat, & Refer
4	Pyrexia of unknown origin improvement	Investigate, diagnose, treat, refer if no improvement
5	Bleeding Disorders	Treat
6	Diseases of Bones and Joints	Treat
7	Childhood Malignancies	Early Diagnosis and Refer
8	Liver Disorders	Diagnose and Refer
9	Paediatric Surgical Emergencies	Early Diagnosis and Refer
10	Poisoning, Sting, Bites	First Aid - Refer

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S. No	NAME OF THE ILLNESS	RECOMMENDED SERVICE MIX (SUGGESTED ACTIONS)
NE	ONATALOGY	
1	Attention at birth (to prevent illness)	5 cleans warm chain
2	Hypothermia	Warm chain
3	Birth asphyxia	Resuscitation And Treatment
4	Hypoglycemia	Treat
5	Meconium aspiration syndrome	Treat
6	Convulsions (seizures)	Treat and Refer
7	Neonatal Sepsis	Treat
8	LBW	1800-1500 gms treat with kangaroo
		care below that refer
9	Neonatal Jaundice	Treat
10	Preterm	Warm chain, feeding, kangaroo care
11	Congenital malformations	Examine and refer
12	R.D.S, ARI	Manage and Refer
13	Dangerously ill baby	Identify and manage
14	Feeding Problems	Identify and manage
15	Neonatal Diarrhoea	Diagnosis and manage
16	Birth injury	Minor -manage; major -refer

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17	Neonatal Meningitis	Manage and Refer
18	Renal problems/Congenital heart ndisease/Surgical emergencies	Refer
19	HIV/AIDS	Follow up and refer to ART Center
20	Hypocalcemia	Manage
21	Metabolic Disorders	Identify & Refer
22	Hyaline Membrane diseases	diagnose and refer
23	Neonatal Malaria	Manage
24	Blood disorders	Manage
25	Developmental Delays	CBR
26	UTIs	Manage &refer
27	Failure to Thrive	Manage & Refer

# DERMATOLOGY

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S. No	NAME OF THE ILLNESS	RECOMMENDED SERVICE MIX (SUGGESTED ACTIONS)
	Infections a) Viral - HIV Verrucca Molluscum Contagiosa	Treat
	Pityriasis Rosea, LGV, HIV	Treat
	<b>b) Bacteria</b> Pyoderma Chancroid	Treat
	Gonorrhea, Leprosy & Tuberculosis	Treat
	c) Fungal Sup.Mycosis Subcut - Mycetoma	Identify / Treat and refer
	d) Parasitic Infestation Scabies / Pediculosis/Larva Migrans	Treat
	e) Spirochaetes Syphilis	Diagnosis and Treat
2	Papulosquamous Psoriasis (classical)- uncomplicated/Lichen Planus	Treat
3	Pigmentary Disorder Vitiligo	Treat / Refer
4	Keratinisation Disorder Ichthyosis/Traumatic Fissures	Refer / Treat

S. No.	Staff	51-100 bedded Sub-District Hospital
1	Junior Administrative Officer	1
2	Accountant	2
3	Computer Operator	6
4	Driver	2
5	Peon	2
6	Security Staff*	2
	Total	15

#### 8.3. Manpower- Administrative Staff

**Note :** Drivers post will be in the ratio of 1 Driver per 1 vehicle. Driver will not be required if outsourced \* The number would vary as per requirement and to be outsourced.

#### 8.4. Man Power – Operation Theatre

S. No	Staff	51-100 b Sub-Distric		
		Emergency / FW OT	· General OT	
1	Staff Nurse	4	1	
2	OT Assistant	4	2	
3	Safai Karamchari	2	1	
	Total	10	4	

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#### 8.5. Man Power – Blood Storage

S. No.	Staff	Blood Storage
1	Staff Nurse	1
2	MNA / FNA	1
3	Blood Bank/Storage Technician	· 5
4	Safai Karamchari	3
5	Attendant	2

# 9. EQUIPMENT

1

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	500 M.A. X-ray machine*	
2	300 M.A. X-ray machine	(A)
. 3	100 M.A. X-ray machine	1
4	60 M.A. X-ray machine (Mobile)	1
5 ·	C arm with accessories *	
6	Dental X-ray machine	1
7	Ultra Sonogram (Obs & Gyne. department should be having a separate ultra-sound machine of its own)	1 + 1
8	C.T. Scan*	
9	Mammography Unit *	
10	Echocardiogram*	

#### I. Imaging Equipment

\* - These items will be provided depending upon the need and availability of skilled personnel

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#### II. X-Ray Room Accessories

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	X-ray developing tank	1
2	Safe light X-ray dark room	2
3	Cassettes X-ray	10
4	X-ray lobby single	4
5	X-ray lobby Multiple	
6	Lead Apron	1
7	Intensifying screen X-ray	1

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospita
1	P. S. Set	1
2	MTP Set	1
3	Biopsy Cervical Set*	1
4	D & C Set	1
5	I.U.C.D. Kit	1
6	LSCS set	1
7	MVA Kit	2
8	Vaginal Hysterectomy	1
9	Proctoscopy Set*	1
10	P.V. Tray*	<u>λ</u> 1 (3)
11	Abdominal Hysterectomy set	· · · · · · · · · · · · · · · · · · ·
12	Laparotomy Set	1
13	Formaline dispenser -	2
14	Kick Bucket	6
15	General Surgical Instrument Set <b>e</b> Piles, Fistula, Fissure*	iedn sito gninut 1
16	Knee hammer	2
17	Hernia, Hydrocele*	
18	Varicosevein etc*	1
19	Gynaec Electric Cautery	
20	Vaginal Examination set*	4
21	Suturing Set*	3
22	MTP suction apparatus	1
23	Thoracotomy set	
24	Neuro Surgery Craniotomy Set	
25	I M Nailing Kit	
26	SP Nailing	1
27	Compression Plating Kit*	
28	AM Prosthesis*	
29	Dislocation Hip Screw Fixation*	
30	Fixation Fracture Hip	
31	Spinal Column Back Operation Set	
32	Thomas Splint	5

# X. Surgical Equipment Sets

33	Paediatric Surgery Set	
34	Mini Surgery Set*	1
35	Urology Kit	
36	Surgical Package for Cholecystectomy*	
37	Surgical package for Thyroid	
38	GI Operation Set*	2
39	Appendicectomy set *	2
40	L.P.Tray*	3
41	Uretheral Dilator Set	2
42	TURP resectoscope *	
43	Haemodialysis Machine *	
44	Amputation set	1
45	Universal Bone Drill	
46	Crammer wire splints	8
47	Heamo dialysis machine	

\* To be provided as per need.

#### XI. Physiotherapy Equipments

S, No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Skeleton traction set	1
2	Interferential therapy unit	1
3	Short Wave Diathermy	1

# XII. Endoscopy Equipments

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Endoscope fibre Optic (OGD) *	
2	Arthroscope	
3	Laparoscope operating major with accessories *	
4	Laparoscope diagnostic and for sterilisation *	1
5	Colonoscope and sigmoidoscope*	
6	Hysteroscope *	1
7	Colposcope *	1

\* - to be provided as per need

SI. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Anaesthetic - laryngoscope magills with four blades	2
2	Endo tracheal tubes sets	1
3 `	Magills forceps (two sizes)	5
. 4	Connector set of six for E.T.T	5
5	Tubes connecting for ETT	4
6	Air way female*	4
7	Air way male*	10
8	Mouth prop*	6
9	Tongue depressors*	8
11	O2 cylyinder for Boyles	8
12	N2O Cylinder for Boyles	8
13	CO2 cylinder for laparoscope*	
14	PFT machine	1
15	Boyles Apparatus with Fluotec and circle absorber	1
16	Exchange Transfusion Sets*	

#### XIII. Anaesthesia Equipments

\* - to be provided as per need

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Doctor's chair for OP Ward, Blood Bank, Lab etc.	20
2	Doctor's Table	6
3	Duty Table for Nurses	5
4	Table for Sterilisation use (medium)	• 6
5	Long Benches(6 1/2' x 1 1/2')	20
6	Stool Wooden	15
7	Stools Revolving	8
8	Steel Cup-board	15
9	Wooden Cup Board	. 6
10	Racks -Steel – Wooden	7
11	Patients Waiting Chairs (Moulded) *	10
12	Attendants Cots *	4
13	Office Chairs	4
14	Office Table	4

#### XIV. Furniture & Hospital Accessories

15	Foot Stools *	12		
16	Filing Cabinets (for records) *	6		
17	M.R.D.Requirements (record room use) *	1		
18	Paediatric cots with railings	5		
19	Cradle*	3		
20	Fowler's cot	0		
21	Ortho Facture Table*	0		
22	Hospital Cots (ISI Model)	100		
23	Hospital Cots Paediatric (ISI Model)	10		
24	Wooden Blocks (Set)*	2		
25	Back rest*	4		
26	Dressing Trolley (SS)	4		
27	Medicine Almairah	2		
28	Bin racks (wooden or steel)*	5		
29	ICCU Cots	4		
30	Bed Side Screen (SS-Godrej Model)	4		
31	Medicine Trolley(SS)	4		
32	Case Sheet Holders with clip(S.S.)*	60		
33	Bed Side Lockers (SS)*	0		
34	Examination Couch (SS)	2		
35	Instrument Trolley (SS)	6		
36	Instrument Trolley Mayos (SS)	4		
37	Surgical Bin Assorted	25		
38	Wheel Chair (SS)	4		
39	Stretcher / Patience Trolley (SS)	3 each		
40	Instrument Tray (SS) Assorted	30		
41	Kidney Tray (SS) - Assorted	30		
42	Basin Assorted (SS)	30		
43	Basin Stand Assorted (SS)			
- Angles -	(2 basin type )	4		
	(1 basin type)	8		
44	Delivery Table (SS Full)	6		
45	Blood Donar Table*	1		
46′	O2 Cylinder Trolley(SS)	8		
47	Saline Stand (SS)	15		
48	Waste Bucket (SS)*	25		
49	Dispensing Table Wooden 1			
49 50	Bed Pan (SS)*	20		

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51	Urinal Male and Female		20
52	Name Board for cubicals*		1
53	Kitchen Utensils*		
54	Containers for kitchen*		
55	Plate, Tumblers*		1.000 (1.000) 1.000 (1.000) 1.000 (1.000)
56	Waste Disposal - Bin / drums		8
57	Waste Disposal - Trolley (SS)		1
58	Linen Almirah		3
59	Stores Almirah		3
60	Arm Board Adult*		10
61	Arm Board Child*		10
62	SS Bucket with Lid		6
63	Bucket Plastic*	1	8
64	Ambu bags		5
65	O2 Cylinder with spanner ward type		12
66	Diet trolley - stainless steel		1
67	Needle cutter and melter		15
68	Thermometer clinical *		20
69	Thermometer Rectal*		3
70	Torch light*		10
71	Cheatles forceps assortted*		8
72	Stomach wash equipment*		2
73	Infra Red lamp*		3
74	Wax bath*		1
75	Emergency Resuscitation Kit-Adult*		2
76	Enema Set*		· 6
77	Ceiling Fan\$		As per requirement
78	Bed Side Screen (SS-Godrej Model)^		As per requirement

to be provided as per need
One fan per four beds in the ward.

^ - At least one screen per five beds except female wards.

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Mortuary table (Stainless steel) *	2
2	P.M.equipments (list)	3
3	Weighing machines (Organs)	1
4	Measuring glasses(liquids)	2
5	Aprons*	10
6	PM gloves ( Pairs )*	10
7	Rubber sheets*	
8	Lens	1
9	Spot lights	2

### XV. PM equipments

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\* - to be provided as per need

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XVI. Linen

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Bed sheets	400
2	Bedspreads	600
3	Blankets Red and blue	30
4	Patna towels	150
5	Table cloth	50
6	Draw sheet	75
7	Doctor's overcoat	30
8	Hospital worker OT coat	200
9	Patients house coat (for female)	300
10	Patients Pyjama (for male) Shirt	200
11	Over shoes pairs	60
12	Pillows	150
13	Pillows covers	300
14	Mattress (foam) Adult	100
15	Paediatric Mattress	16
16	Abdominal sheets for OT	50
17	Pereneal sheets for OT	50
18	Leggings	80
19	Curtain cloth windows and doors	
20	Uniform / Apron	
21	Mortuary sheet	30
22	Mats (Nylon)	50
23	Mackin tosh sheet (in meters)	150
24	Apron for cook	

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S. No.	Name of the Equipment	1. Start	51-100 bedded Sub-Dist		strict Hospital
1	Slide Projector			1	
2	O.H.P			1	
3	Screen	10		1	
4	White / colour boards			1	
5	Television colour			1	and the second
6	Tape Recorder* (2 in 1)	-95-27	24 1	1,	a had an in the
7	VCD Player			1	an an Alban San An San An San San San San San San San San San Sa
8	Radio			1	
9	LCD Projectors				

XVII.	Teaching	Equipments
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\* - to be provided as per need

XVIII. Administration

S. No.	Name of the Equipment	51-100 bedded Sub-Distr Hospital			51-100 bedded Sub-Distric Hospital		b-District
1	Computer with Modem with UPS, Printer with Internet Connection		1				
2	Xerox Machine						
3	Typewriter (Electronic )*		1				
4	Intercom (15 lines)*		1				
5	Intercom (40 lines)*						
6	Fax Machine		1	<ul> <li>The second s second second seco</li></ul>			
7	Telephone		1				
8	Paging System*						
9	Public Address System*		•1				
10	Library facility*						

\* - to be provided as per need

VIV	Dat	rigarg	tion	S. AC
<b>AIA</b> .	nei	ingera	luon	& AC

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Refrigerator 165 litres	3
2	Blood Bank Refrigerator	1.
3	ILR	1
4	Deep Freezer	1
5	Coolers*	As per requirement
6	Air conditioners	4
7	Central A/C for OT	

44

\* One cooler per 8 beds in the wards.

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Generator 40 / 50 KV	
2	Generator 75 KV 1	
3	Generator 125 KV	
4	Portable 2.5 KV 1	
5	Solar Water heater *	
6	Incinerator*	
7	Central supply of 02, N20, Vacuum *	
8	Cold storage for mortuary *	

#### XX. Hospital Plants

\* - to be provided as per need

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#### XXI. Hospital Fittings & Necessities

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital	
1	Ceiling Fans*	30	
2	Exhaust Fan*	8	
3.	Pedestal Fan*	1	
4	Wall Fan*	2	
5	Hotwater geiser* -	1	
6	Fire extinguishers*		
7	Sewing Machine*	. 1	
8	Lawn Mover*	2	
9	Vaccum cleaner*	1	
10	Aqua guard*		
11	Solar water heater *		
12	Neon sign for hospital*		
13	Garden equipment*		
14	Borewell motor OHT *		
15	Water dispenser / Water cooler*		
16	Laundry (steam) *		
17	Emergency lamp		
18	Emergency trauma set* 1		
19	Tube lights* 50		
20	Drinking Water Fountain* 2		

\* - to be provided as per need

S. No.	Name of the Equipment	51-100 bedded Sub-District Hospital
1	Ambulance	2
2	Van (Family Welfare)	
3	Pickup vehicles Maruti (Omni)	
4	Mortuary Van	1
5	Administrative vehicle (Car)	· · · · · · · · · · · · · · · · · · ·
6	Minidor 3 wheeler	
7	Bicycle	
8	Camp Bus	
9	Progamme vehicle	•
10	Motorcycle	

XXII. Transport

10. Laboratory Services: Following services will be ensured, for advanced diagnostic tests, a list of National Reference Laboratories has been provided as annexure:

S. No.	Speciality	Diagnostic Services / Tests
1.	Clinical Pathology	Haemoglobin estimation
	a. Haematology	Total Leucocyte count
t e tre se	, j.	
		Differential Leucocyte count
		Absolute Eosinophil count
	•	Reticulocyte count
		Total RBC count
		E.S.R.
		Bleeding time
		Clotting time
		Prothrombin time
	,	Peripheral Blood Smear
		Malaria/Filaria Parasite
		Platelet count
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Packed Cell volume
		Blood grouping
		Rh typing
	No. 10	Blood Cross matching
	b. Urine Analysis	Urine for Albumin, Sugar, Deposits,bile salts, bile pigments, acetone, specific gravity, Reaction (pH)
	c. Stool Analysis	Stool for Ovacyst (Eh)
		Hanging drop for V.Cholera
		Occultblood
	d. Semen Analysis	Morphology, count
station -	e. CSF Analysis	Analysis, Cell count etc
	f. Aspirated fluids	Cell count cytology
П.	Pathology	
	a. Sputum	Sputum cytology

S. No.	Speciality	Diagnostic Services / Tests
III.	Microbiology	Smear for AFB (Acid Fast Bacilli), KLB (Diphtheria Bacilli)
		Grams Stain for Meningococci
		KOH study for fungus
		Grams Stain for Throat swab, sputum etc.
IV.	Serology	RPR Card Test for Syphillis
		Pregnancy test (Urine gravindex)
		WIDAL test
		Rapid test for HIV, HBs Ag, HCV Stocking of rapid H <sub>2</sub> S based test for bacteriological examination of water

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S. No.	Speciality	Diagnostic Services / Tests	
٧.	Biochemistry	Blood Sugar	and the second
		Blood urea, blood cholesterol	
		Liver function tests	
		Kidney function tests	d , ka si
		Stocking of OT test for residual	
		chlorine in water.	
		CSF for protein, sugar	
		Iodometry Titration	

S. No.	Speciality	Diagnostic Services / Tests
VI.	Cardiac Investigations	ECG
VII.	Ophthalmology	Refraction by using Snellen's chart
		Retinoscopy
		Tonometry
		Biometry
		Ophthalmoscopy
VIII.	ENT	Audiometry
IX.	Radiology	X-ray for Chest, Skull, Spine, Abdomen bones
		Dental X-ray
		Ultrasonography with colour doppler

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S. No. Speciality		Diagnostic Services / Tests
X Endoscopy		
		Laparoscopy (Diagnostic)
XI.	Physiology	Pulmonary function tests

# 11. Recommended Allocation of Bed Strength at Various Levels

SI. No	Item	Туре	Sub District Hospita 51-100 bedded	
1	General Medicine	Beds (M+F)	8+8	
2	New born ward	Beds	3	
3	Mothers room with dining and toilets	Beds	5	
4	Paediatrics ward	Beds	6	
5	Critical care ward – IMCU	Beds	5	
6	Isolation Ward	Beds	4	
7	Dialysis unit (as per specifications)	Beds	na la parte de la constituie de la constitu	
8	Thoracic medicine ward with room for pulmonary function test	Beds (M+F)		
9	Blood bank		Yes	
10	General surgery ward (incl. Urology, ENT)	Beds (M+F)	8+8	
11	Post – Operative Ward	Beds (M+F)	10*+8	
12	Accident and Trauma ward -	Beds		
13	Labour room	Boards	3	
14	Labour room (Eclampsia)	Beds		
15	Septic Labour room	Boards		
16	Ante-natal ward	Beds	6	
17	Post-natal ward	Beds	6	
18	Postpartum ward	Beds	10	
19	Post operative ward	Beds		
20	Ophthalmology ward	Beds		
21	Burns Ward	Beds		

# REQUIREMENTS FOR OPERATION THEATRE

S. No	Item	Sub District Hospital 51-100 bedded
1	Elective OT-Major	1
2	AE OT*	
3	Emergency OT/FW OT	1
4	Ophthalmology /ENT OT*	

\* To be provided as per need.

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# 12. List of Medicines / Instruments / Equipments /Lab Reagents / Other Consumables and Disposables for District Hospitals

S. No.	Name of the iter	n	
A)	Analgesics/Antipyretics/Anti Inflamatory		
1	Tab.Aspirin 300mg		
2	Tab.Paracetamol 500mg		
3	Inj.Diclofenac sodium		
4	Tab.Diclofenac sod		
5	Tab.Dolonex DT 20mg		
6	Tab.lbuprofen		
В)	Chemotherapeutics	X	
7	Inj.Crystalline penicillin 5 lac unit		
8	Inj.Fortified procaine pen 4 lac-		
9	Inj.Ampicillin 500mg		• 8
10	Inj.Gentamycin 40mg/2ml vial		-
11	Inj.crystalline penicillin 10 lac unit		
12	Cap.Ampicillin 250mg		
13	Cap.Tetracycline 250mg		
14	Tab.Trimethoprim+Sulphamethazol ss		
15	Tab.Ciprofloxacin 250mg		See 1
16	Tab.Ciprofloxacin 500mg		
17	Inj.Ciprofloxacin 100ml		
18	Tab.Erythromycin 250mg	4	an a
19	Tab.Erythromycin 500mg		
20	Syrup Cotrimoxazole 50ml		
21	Syrup Ampicillin 125mg/5ml 60ml		
22	Inj.Cefoperazone 1Gm		E MARINE I
23	Inj.cefotaxime 500mg		
24	Tab.Norfloxacin 200mg		

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26 27	Tab.Ofloxacin 200mg Inj.Vionocef(Ceffixime)250mg
28	Inj.Amikacin sulphate 500mg
29	Inj.Amikacin sulphate 100mg
30	Cap.Cefodroxyl 250mg
31	Inj.Amoxycillin 500mg
C)	Anti Diarrhoeal
32	Tab.Metronidazole 200mg
33	Tab.Metronidazole 400mg
34	Syrup.Metronidazole
35	Tab.Furazolidone 100mg
36	Tab.Diolaxanide Fuzate
37	Tab.Tinidazole 300mg
D) .	Dressing Material/Antiseptic lotion
38	Povidone lodine solution 500ml
39	Phenyl 5litr jar(Black Phenyl)
40	Benzalkonium chloride 500ml bottle
41	Rolled Bandage a) 6cm
	b) 10cm
	c) 15cm
42	Bandage cloth(100cmx20mm) in Than
43	Surgical Guaze(50cmx18m) in Than
44	Adhesive plaster 7.5cm x 5mtr
45	Absorbent cotton I.P 500gm Net
46	P.O.P Bandage a) 10cm
	b) 15cm
47	Framycetin skin oint 100 G tube
48	Silver Sulphadiazene Oint 500gm jar         51         DH-100         DH-100         10202

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49	Antiseptic lotion containing :	
•	a) Dichlorometxylenol 100ml bot	
	b) Haffkinol 5litre jar	
50	Sterilium lotion	
51	Bacillocid lotion	
E)	Infusion fluids	
52	Inj.dextrose 5% 500ml	
53	Inj.Dextrose 10% 500ml bottle	
54	Inj.Dextrose in Normal saline 500ml bt	
55	Inj.Normal saline (Sod chloride) 500ml	
56	Inj.Ringer lactate 500ml	
57	Inj.Mannitol 20% 300ml	
58	Inj.Water for 5ml amp	
59	Inj.Water for 10ml amp	
60	Inj.Dextrose 25%100ml bot	•
61	I.V.Metronidazole 100ml	
62	Inj.Plasma Substitute 500ml bot	
63	Inj.Lomodex	
F)	Other Drugs & Material	
64	All Glass Syringes 2ml	,
	5ml	
	10ml	
	ŻOml	
65	Hypodermic Needle (Pkt of 10 needle)	
	a) No.19	
	b) No.20	
	c) No.21	
	d) No.22	* 
	e) No.23	

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	f) No.24
	g) No.25
	h) No.26
66	Scalp vein sets no a)19
	b). 20
	c) 21
	d) 22
	e) 23
	f) 24
	g) 25
	h) 26
	b) 20
67	Gelco all numbers
68	Tab.B.Complex NFI Therapeutic
69	Tab.Polyvitamin NFI Therapeutic
- 70	Inj.Dexamethasone 2mg/ml vial
71	Inj.Vitamin B Complex 10ml
72	Inj.B12 Folic acid
73	Surgical Gloves a)6 "
	b)6.1/2"
	c)7"
· ·	d)7.5"
74	Catgut Chromic a)1 No.
	b)2 No.
	c)1-0 No
	d)2-0 N0
	e)8-0
75	Vicryl No.1
76	Sutupak 1,1/0,2,2/0

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		3
77	Prolene	
78	X Ray film 50 film packet(in Pkt) size	
	a)6.1/2x8.1/2"	
	b)8"x10"	
	c)10"x12'	
	d)12"x15"	
79	Fixer	
80	Developer	
81	CT Scan film	
82	Ultrasound scan film	
83	Dental film	
84	Oral Rehydration powder 27.5g	
85	Ether Anaesthetic 500ml	
86	Halothane	
G)	Eye Drops	
87	Sulphacetamide eye drops 10% 5ml	
88	Framycetin with steroid eye drops 5ml	
89	Framycetin eye drops 5ml	
90	Ciprofloxacin eye drops	
91	Gentamycin eye drops	
H)	Other Material	
92	Rubber Mackintosch Sheet in mtr	
93	Sterile Infusion sets(Plastic)	
94	Antisera I) A 5ml	
2) 21	II) B 5ml	
	III) D 5ml	
	IV) AB 5ml	
95	Inj.MethylErgometrine 0.2mg/amp	
96	Inj.Streptokinase 7.5lac vial	

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	97	Inj.Streptokinase 15lac vial
	98	Inj.PAM
	99	Tab.Antacid
	100	ARS .
	101	Syp.Antacid
and the second second	102	Inj.Rabipur
	103 .	Inj.Ranitidine 2ML
	104	Tab.Ranitidine
	105	Tab.Omeprazole
	106	Cough syrup 5litre Jar
	107	Cough syrup with Noscapine 100ml
	108	Coir Mattress
	109	Inj.Lignocaine 1%
	110	Inj.lignocaine 2%
	111	Inj.Lignocaine 5%
	112	Inj.Marcaine
	113	Inj.Diazepam
	114	Inj.Salbactum+Cefoperazone2Gm
	115	Inj.Amoxycillin with clavutanite acid 600mg
	116	Cap.Amoxycillin250+cloxacillin 250
	117	Inj.Cefuroxime 250/750
	118	Tab.Pefloxacin 400mg
	119	Tab.Gattifloxacin 400mg
	120	Tab.Valdecoxib 20mg
	121	Tab.Atrovastatin 10mg
	122	Sy.Himalt-X
	123	Sy.Protein(Provita)
• 1)	tan .	Antibiotics and Chemotherapeutics
	1	Tab.Chloroquine phosphate 250mg

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2	Inj.Chloroquine phosphate	and the second
3	Inj.Quinine	
4	Tab.Erythromycine Esteararte 250mg	
5	Syp.Erythromycine	
6	Tab.Phenoxymethyl Penicillin125mg	
7	Cap.Rifampicin	
8	Tab.Isoniazid 100mg	
9	Tab.Ethambutol 400mg	
10	Tab.Isoniazid	
. 11	Cap.Neomycin	
12	Inj.Benzathine penicillin 12la	21
J)	Antihistaminics/anti-allergic	
13	Inj.Pheniramine maleate	
14	Tab.Diphenhydramine (eqv.Benadryl)	
15	Tab.Cetrizine	
16	Tab.Chlorpheniramine maleate 4mg	
17	Tab.Diethylcarbamazin	
К)	Drugs acting on Digestive system	
18	Tab.Cyclopam	
19	Inj.Cyclopam	
20	Tab.Bisacodyl	
21	Tab.Perinorm	
22	Inj.Perinorm	
23	syrup.Furazolidone	
24	Inj.Prochlorperazine(Stemetil)	
25	Tab.Piperazine citrate	
26	Tab.Mebendazole 100mg	<u> </u>
27	Syp.Mebendazole	
28	Sy.Piperazine Citrate	

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	29	Sy.Pyrantel Pamoate
	30	Tab.Belladona
L)		Drugs related to Hoemopoetic system
	31	Tab.Ferrous sulphate200mg
	32	Inj.Iron Dextran/Iron sorbitol
M)		Eye ointment
	33	Chloramphenicol eye ointment & applicaps
	34	Chloramphenicol + Dexamethsone ointment
	35	Gentamycin eye/ear drops
	36	Dexamethasone eye drops
	37	Drosyn eye drops
	38	Atropine eye ointment
N)		Drugs acting on Cardiac vascular system
	39	Inj.adrenaline
	40	Inj.atropine sulphate
	41	Inj.Digoxine
	42	Tab.Digoxine
	43	Inj.Mephentine
	44	Tab.Atenolol
	45	Tab.Isoxuprine
	46	Inj.Duvadilan
	47	Tab.Methyldopa
	48	Tab.Isosorbide Dinitrate(Sorbitrate)
	49	Tab.Propranolol
	50	Tab.Verapamil(Isoptin)
	51	tab.Enalepril2.5/5mg
0)		Drugs acting on Central/peripheral Nervous system
	52	Inj.Pentazocine (Fortwin)
	53	Inj.Pavlon 2ml amp

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	54	Inj.Chlorpromazine 25mg(like Largactil)		
	55	Inj.Promethazine Hcl Phenergan		
	56	inj.Pethidine		
	57	Inj.Diazepam 5mg		
	58	Tab.Haloperidol		
	59	Inj.Haloperidol		
	60	Tab.Diazepam 5mg		
	61	Tab.Phenobarbitone 30mg		
1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	62	Tab.Phenobarbitone 60mg		÷
L	63	Tab.Largactil 25mg	· ·	
	64	Tab.Pacitane		
	65	Tab.Surmontil		
	66	Syrup.Phenergan		
	67	Syrup Paracetamol		
	68	Ethyl chloride spray		
	69.	Lignocaine oint		
	70	Gentamycin eye/ear drops		and and the second s
	71	Betnesol-N/Efcorlin Nasal drops		
P)		Drugs acting on Respiratory system		
	72	Inj.Aminophylline	· · · · ·	
	73	Tab.Aminophylline		
	74	Inj.Deriphylline		
n wage of the system of the second	75	Tab.Deriphylline	•	
(****	76	Tab.Salbutamol 2mg		
	77	Syrup Tedral		
	78	Syrup.Salbutamol		
Q)		Antiseptic Ointment		
	79	Furacin skin oint		
	80	Framycetin skin oint		

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R)	Drugs acting on UroGenital system
6	Tab.Frusemide 40mg
8	Inj.KCL
•• 8	Liquid KCL
8	Tab.Pyridicil
8	Inj.Frusemide
S)	Drugs acting on Uterus and Female Genital Tracts
8	Inj.Pitocin
8	Inj.Prostodin
8	* Tab.Duvadilan
8	Tab.Methyl Ergometrine
S	Tab. Mesoprostol
9	Tab.Primolut-N
S	Haymycin vaginal tab
9	Inj Magnesium Sulphate
9	Inj.Ethacredin lact(Emcredyl)
Т)	Hormonal Preparation
9	Inj.Insulin Rapid
9	Insulin lente Besal
9	Inj.Cry Insulin
9	Inj.Mixtard
9	Inj.Testesterone plain 25mg
10	Testesterone Depot 50mg
10	Tab.Biguanide
10	Tab.Chlorpropamide 100mg
10	Tab.Prednisolone 5mg
10	Tab.Tolbutamide 500mg
10	Tab.Glibenclamide
10	Tab.Betamethasone

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U)	Vitamins			Sec. Star
107	Inj.Vit "A"	an a		
108	Inj.Cholcalciferol16lac			
109	Inj.Ascorbic acid			
110	Inj.Pyridoxin 50mg			
111	Inj.Vit K			ing -
112	Tab.Vit "A" & "D"			
113	Tab.Ascorbic acid 100mg			
V)	Other drugs			
. 114	Inj.Antirabies vaccine			
115	Inj.Antisnake venom			
116	Inj.AntiDiphtheria Serum			
117	Inj.Cyclophosphamide			
118	Inj.Sodabicarb			
119	Inj.Calcium Gluconate	194. -		
120	Tab.Calcium lactate	N.		
121	Tr.lodine			
122	Tr.Benzoin			
123	Glcial acetic caid			
124	Benedict solution			
125	Caster oil			
126	Liquid paraffin	. E		
127	Glycerine			
128	Glycerine Suppositories			
129	Turpentine oil			
130	Potassium Permangnate			
131	Formaldehyde			
132	Dextrose Powder	• • •		
133	Methylated spirit		· ·	

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134	Cotrimazole lotion					
135	Cotrimazole cream					
136	Tab.Theophylline					
137	ECG Roll					
138	Burnion Oint					
139	Flemigel APC Ointment					
140	Syp.Himobin					
141	APDYL Cough & Noscopin					
142	Tab. Septilin					
143	Tab. Cystone					
144	Tab. Gasex					
145	Syp. Mentat					
146	Oint. Pilex					
147	Rumalaya Gel					
148	Pinku Pedratic Cough Syp.					
(W)	Others					
. 1	Tab.Liv52					
2	Syrup Liv52					
3	Cap.Doxycycline 100mg					
4	Inj.Heparin sod.1000IU					
5	Tab.Dipyridamol(Like Persentine)					
6	Inj.Dopamine					
. 7	Tab.Glyceryl Trinitrate					
8	Tab.Amitryptilline					
9	Tab.trifluoperazine(1mg)					
10	Tab.Nitrofurantine					
. 11	Inj.Valethemide Bromide(Epidosyn)					
12	Inj.Isolyte-M					
13	Inj.Isolyte-P					

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14	Inj.Isolyte-G	
15	Cap.Cephalexin 250mg	
16	Tab.Taxim	
17	Inj.Metaclopramide	
18	Tab.Folic acid	
19	Inj.Lignocaine Hcl 2%	
20	Inj.Nor adrenaline	
21	Betadine lotion	
22	Tab.stilboesteral	
23	Inj.Pyridoxine	•
24	Hydrogen peroxide	
25	Inj.magnesium sulphate	
26	Benzyl Benzoate	
27	GammaBenzene Hexachloride	
28	Inj.Tetglobe	
29	Inj.Paracetamol	
30	Pilocarpine eye drops 1%	
31	Sy.Orciprenaline	
32	Suturing needles (RB,Cutting)	
33	Inj.Calcium pantothernate	
34	Inj.Xylocaine 4% 30 ml	
35	Halothane	
36	Mixture Alkaline	
37	Inj. Phenabarbitone 200mg	
38	Inj. B12 (Cynacobalamine)	
39	Neosporin, Nebasuef, Soframycin Pow	
40	Magnasium Sulphate Powder	
41	Furacin Cream	-200 S
42	Xylocaine jelly	

	43	Formaldehyde Lotion
	44	Cetrimide 100ml bott 3.5%, 1.5% 1
	45	Bacitrium powder 10mg botts
	46	Bleaching Powder 5 Kg Pkts(ISI Mark)
	47	Ether Solvent
	48	Sodium Hypochloride Sod. 5 ltrs/1 ltrs
	49	Inj. Diphthoria antition ADS)10000I.U
	50	Inj. Gas gangrene Antitoxin(AGGS)10000
	51	Inj. Hydroxy Progesterone500mg/2ml
	52	Inj. Methyl Prednisolon 500mg vial
	,53	Inj.Multivitamin I.V
	54	Inj.Potassium chloride
	55	Inj.Quinine Dihydrochloride
r	56	Tetanus Antitoxin 10000 I.U
114	57	Inj.Tetanus Toxoid 5ml vial
	58	Inj.Theophylline Etophylline
	59	Inj.Vitamin A
	60	Tab.Ferrous sulphate200mg+Folic acid
	61	Tab.Ferrous sulphate 300mg
	62	Tab.Griseofulvin125mg
	63	Tab.Phenobarbitone 30mg
nakula da ili Santa da ili Santa da ili	64	Tab.Phenobarbitone 60mg
	65	Tạb.Pyridoxin 10mg
	66	Tab.Thyroxine sod 0.1mg
	67	Warfarin sod 5mg
	68	Tab.Alprazolam 0.25mg
	69	Tab.Amlodipine 5mg
	70	Tab.Amlodipine 10mg
	71	Tab.Nefidipine 20mg

72	Tab.Nefidipine 30mg		
73	Tab.Riboflavin 10mg	· • • • •	
74	Syp.Ferrous Gluconate 100ml bottle		
75	Cream Fluconozole 15gm tube		
76	Sus.Furazolidone		
77	Oint.Hydrocortisone acetate		
78	Syp.isoniazid 100mg/5ml 100ml bot		
79	Liquid paraffin		
79A	Linctus codein 500ml bot		
. 80	Cream Miconozole 2% 15gm tube		
81	Syp.Nalidixic acid		
82	syp.Norfloxacin -		
83	Phenylepinephrine eye drops		
84	Pilocarpine eye drops 2%		•
85	Syp.Pottassium chloride 400ml bot		
86	Syp.Primaquine		
.87	Suspension Pyrantel pamoate		and the second
88	Sus Rifampicin	· · · · · · · · · · · · · · · · · · ·	
89	Syp.Salbutamol 100ml bot		
90	Syp.Theophylline 100ml		
91	Syp.Vitamin B.Complex		
92	Vit D-3 Granules		
93	Opthalmic & ear drops		E.
94	Glycerine Mag sulphate ear drops		
95	Pilocarpine eye drops 4%		
96	Oint Acyclovir 3% 5gm tube		
97	Benzyl Benzoate emulsion 50ml bot		
98	Oint.Betamethasone	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	
99	Cream Clotrimazole skin 1% 15gm		

100	Oint Dexamethasone 1%+ Framycetin
101	oint contain clotrimazole+Genta+Flucon
102	Oint Flucanazole 10 mg
• • 103	Cream Framyctin 1% 20gm tube/100gm
. 104	Lot.Gamabenzene hexachloride1% bt
105	Glycerine Suppository USP 3gm bott/10
. 106	Cream Nitrofurazone 0.2% jar of 500g
107	Oint Silversulpadiazene 1% 25g
108	AIDS Protective kit

### 13. Capacity Building

At the time of entry into service, induction training of at least six months duration must be made mandatory for all categories of health care workers. This must be a comprehensive training and must have components of requisite skill enhancement, management and knowledge about the drugs/ equipments and services offered at all levels of health care.

Secondly, at a duration of every two years, on the job training must be provided to all categories of health care personnel to upgrade their knowledge and skills in technical and management fields.

## 14. Quality Assurance in Service Delivery

Quality of service should be maintained at all levels. Standard treatment protocols for locally common diseases and diseases covered under all national programmes should be made available at all sub district hospitals. All the efforts that are being made to improve hardware i.e. infrastructure and software i.e. human resources are necessary but not sufficient. These need to be guided by standard treatment protocols and Quality Assurance in Service Delivery

#### **Quality Control**

#### **Internal Monitoring**

Social audit through Rogi Kalyan Samities / Panchayati Raj Institutions

Medical Audit, Technical Audit, Financial Audit, Disaster Preparedness Audit, Monitoring of Accessibility and equity issues, information exchange.

#### **External Monitoring**

Monitoring by PRI / Rogi Kalyan Samities

Service / performance evaluation by independent agencies

District Monitoring Committees formed under NRHM shall monitor the upgradation of Hospitals to IPHS. Annual Jansamvad may also be held as a mechanism of monitoring.

#### Monitoring of laboratory

Internal Quality Assessment Scheme

External Quality Assessment Scheme

#### **Record Maintenance**

Computers have to be used for accurate record maintenance and with connectivity to the District Health Systems, State and National Level.

## 15. Rogi Kalyan Samities (RKS) / Hospital Management Committee (HMC)

Each sub district hospital should have a Rogi Kalyan Samiti / Hospital Management Committee with involvement of PRIs and other stakeholders as per the guidelines issued by the Government of India. These RKS should be registered bodies with an account for itself in the local bank. The RKS / HMC will have authority to raise their own resources by charging user fees and by any other means and utilized the same for the improvement of service rendered by the Sub District Hospital.

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### 16. Citizen's Charter

Each Sub District hospital should display a citizen's charter for the sub district hospital indicating the services available, user fees charged, if any, and a grievance redressal system. A modal citizen's charter is given as under.

#### Our motto - service with smile

#### **CITIZENS CHARTER**

This charter seeks to provide a framework which enables our users to know:

What services are available in this hospital;

The quality of services they are entitled to;

 The means through which complaints regarding denial or poor quality of services will be redressed.

Standards of Service:

- This is a District, Sub-district/divisional hospital;
- It provides medical care to all patients who come to the hospital;
- Standards are influenced by patients load and availability of resources;
- Yet we insist that all our users receive courteous and prompt attention.

#### Locations:

It is located on ..... road in front of .....

This hospital has-

. .

Doctors: ...... (including residents .....).

Nurses: ..... (including supervisory staff).

Beds: .....

Doctors wear white aprons and nurses are in uniform.

All Staff member wear identity cards.

#### **General Information**

#### Enquiry, Reception and Registration Services:

This counter is functioning round the clock.

Location guide maps have been put up at various places in this hospital.

Colour coded guidelines and directional signboards are fixed at strategic points for guidance.

Telephone enquiries can be made over telephone numbers:

....., & ....., Fax:

Casualty & Emergency Services:

All Casualty Services are available round the clock.

- Duty Doctor is available round the clock.
- Specialist doctors are available on call from
   resident doctors.
- Emergency services are available for all specialities as listed in the OPD Services.
- Emergency Operations are done in-

OT located on ..... floor of ..... building.

Maternity OT Orthopaedic Emergency OT Burns and plastic OT Main OT for Neurosurgery cases

Emergency Operation Theatre is functioned round the clock.

In serious cases, treatment/management gets priority over paper work like registration and medicolegal requirements. The decision rests with the treating doctor.

### **OPD Services:**

Various outpatient services available in the hospital are detailed below (as available):

OPD	Place	Time of Registration	Time of OPD
General Medicine			
Paediatrics	a terre and a terre		and a set of the set of
General Surgery	M		
Obstetric & Gynec.		Che ancardi hi	. Portanti en la
Eye			
ENT			
Skin		-	
Urology		an go the	
Cardiology		a the area	
Psychiatry		L'andre St.	
Radiotherapy			
Neurology			
Orthopaedics	and the second second		
Burns & plastics			
Dental OPD			
ISM Services:		and the second s	and an area
Homeopathic	and the second		
Ayurvedic		The state of the second s	
Any other			

In OPDs specialists are available for consultation.

OPD services are available on all working days excluding Sundays and Gazetted Holidays.

On Saturdays, the hospital functions from ...... AM to ...... PM.

Medical Facilities Not Available:

Organ Transplantation

.....

.....

.....

Some specialities do not have indoor patients services:

Psychiatry

D-addiction

Dental

Nuclear Medicine

**Genetic Counselling** 

Endochronology

Geriatrics

Laboratory Services:

**Routine:** Laboratory Services are provided in the field of (as available):

- Bio-chemistry
- Microbiology
- Haematology
- Cytology
- Histopathology including FNAC
- Clinical Pathology

There is a Central Collection Centre for receiving and collecting various specimens for testing. The timings for receiving specimens are 9:00 AM to 11:30 AM.

**Emergency:** Emergency Laboratory Services are available 24 hours for limited tests relating to clinical pathology and bio-chemistry.

**Radio Diagnostic Services:** 

Routine: These services include:

X-Rays

Ultrasound and

CAT Scan

Routine X-Rays are done from 9:00 AM to 1:00 PM. Registration is done from 9:00 AM to 11:30 AM.

Ultrasound examination is done from 9:00 AM to 4:00 PM.

**Emergency:** Emergency X-Ray services are also available round the clock. CAT Scan services are also available round the clock.

**Indoor Patient Services:** 

There are total of ...... Wards providing free indoor patient care.

Emergency ward A admits emergency cases for medical problems.

Emergency ward B admits emergency cases for surgical problems.

There is a ----- bedded Intensive Care Unit for care of seriously ill patients.

A ------ bedded Intensive Coronary Care Unit takes care of heart patients requiring intensive treatment.

In the Burns Department, there are -----

bedded Intensive Care Unit to treat seriously injured burns patients.

There are ——————————— labour rooms for conducting deliveries round the clock.

care to the newborns – normal as well those born with disease.

All indoor patients receive treatment under the guidance and supervision during office hours i.e. 9:00 AM to 4:00 PM.

Outside office hours, treatment is given by doctor on duty and specialists are available on call.

Free diet is provided to all patients in the General Wards.

Every patient is given one attendant pass.

Visitors are allowed only between 5:00 PM to 7:00 PM.

Investigations like CAT Scan, Ultra Sound, Bariummeal, ECHO, TMT etc. are charged for as per Government approved rates.

For poor patients, these charges can be waived partially or fully on the recommendation of the H.O.D. by the Additional Medical Superintendent. In case of emergency CMO (on duty) may waive off these charges.

A Staff Nurse is on duty round the clock in the ward.

Admitted patients should contact the Staff Nurse for any medical assistance they need.

#### Other Facilities:

Other facilities available include:

Cold Drinking Water

Wheel chairs and trolleys are available in the OPD and casualty.

———— Ambulances are available to pick up patients from their places (on payment of nominal charges) and also for discharged patients.

Mortuary Van is available on payment between 9:00 AM to 4:00 PM.

Public Telephone Booths are provided at various locations.

Stand-by Electricity Generators have been provided. Chemist Shops are available outside the hospital. Canteen for patients and their attendants is available.

Lifts are available for access to higher floors.

Adequate toilet Facilities for use of patients and their attendants are available.

#### Complaints & Grievances:

There will be occasions when our services will not be upto your expectations.

Please do not hesitate to register your complaints. It will only help us serve you better.

Every grievance will be duly acknowledged.

We aim to settle your genuine complaints within 10 working days of its receipt.

Suggestions/Complaint boxes are also provided at various locations in the hospital.

If we cannot, we will explain the reasons and the time we will take to resolve.

Name, designation and telephone number of the

nodal officer concerned is duly displayed at the Reception.

Dr. .....

Designation.....

Tele (Ó)..... (R)..... (M).....

Meeting Hours..... to .....

Responsibilities of the Users:

The success of this charter depends on the support we receive from our uses.

Please try to appreciate the various constraints under which the hospital is functioning.

On an average more than ———— lacs patients attend the OPD annually and more than ——— —— lacs patients are attended annually in the casualty and emergency wards.

Please do not inconvenience other patients.

Please help us in keeping the hospital and its surroundings neat and clean.

Please use the facilities of this hospital with care. Beware of Touts.

The Hospital is a "No Smoking Zone" and smoking is a Punishable Offence.

Please refrain from demanding undue favours from the staff and officials as it encourages corruption.

Please provide useful feedback & constructed suggestions. These may be addressed to the Medical Superintendent of the Hospital.

- "No Smoking Please"
- Don't split here & there
- Use Dustbin
- Keep Hospital Clean
- Give regards to Ladies and Senior Citizens

Guidelines for the Project providing financial support to the selected Government Hospitals for Hospital Waste Management.

The Ministry of Environment & Forests notified the "Bio-Medical Waste (Management & Handling) Rules, 1998" in July, 1998.

In accordance with the rules (Rule 4), it is the duty of every "Occupier", i.e. a person who has the control over the institution and/or its premises, to take all steps to ensure that the waste generated is handled without any adverse effect to human health and environment. The Rules further state that every Occupier, where required, shall set up requisite bio-medical waste treatment facilities like incinerator, autoclave, microwave system for the treatment of waste, or ensure requisite treatment of waste at a common treatment facility or any other treatment facility. No untreated bio-medical waste shall be kept stored beyond a period of 48 hours (Rules 5 & 6).

The hospitals, nursing homes, clinic, dispensary, animal house, pathological lab, etc. are, therefore, required to set in place the biological waste treatment facilities. It is, however, not incumbent that every institution has to have its own waste treatment facilities. The rules also envisage that common facility or any other facilities can be used for waste treatment. However, it is incumbent on the occupier to ensure that the waste is treated within a period of 48 hours. Schedule VI of the rules also provides the time limits by which the waste treatment facilities are required to be in place.

In connection with the implementation of the Rules, it has been decided to take up pilot projects in selected Government hospitals – Central and State.

AIM: The aim of the scheme is to implement pilot projects to have a demonstration effect by providing financial assistance to identified hospitals/ institutions under Central/State Governments for:

- 1. Purchase of equipments such as:
  - a) Incinerator
  - b) Microwave
  - c) Autoclave
  - d) Shredder
- 2. Other equipments including colour coded bags and puncture proof containers, protective gears, etc.
- 3. Civil and electrical works to house and operate the waste treatment facilities.
- 4. Training
- 5. IEC activities.

Hospital Waste Management System must be established in accordance with the Bio-Medical Waste (Management & Handling) Rules, 1998 (Annexure).

Segregation must be done at the source of generation of waste. As 80-85% of waste generated in hospitals is non-hazardous or general waste, segregation will reduce the quantum of waste that needs special treatment to only 15-20% of the total waste. The categories for segregation of waste and colour coding and type of container should be as in Schedule 1 and 2 of the Bio-Medical Waste (Management & Handling) Rules, 1998.

The various options for treatment of waste can be selected according to feasibility and type of waste as given in the Schedule – I. The correct colour bag should be used for the particular treatment option.

The various options are:

1, <u>Incineration:</u> The incinerator installed must

Annexure – I

meet the specification and emission standards as given in the Bio-Medical Waste (Management & Handling) Rules, 1998 and must meet the guidelines developed by Central Pollution Control Board for design and construction of bio-medical waste incinerator (circulated to all States/UTs vide letter no. Z.28015/50/2003-H, dated 18.11.2003) - a certificate may be taken from the State Pollution Control Board. Waste category, 1, 2, 3, 5, & 6 as stated in the Schedule - I of the bio-Medical Waste (Management & Handling) Rules, 1998. Wherever common facilities for treatment and disposal of bio-medical waste are available, installation of incinerators by individual hospitals may not be encouraged and such waste should be transported to the common facility for proper treatment.

 Autoclaving/Microwaving: Standards for autoclaving and microwaving are provided in the Bio-Medical Waste (Management & Handling) Rules, 1998. The equipment for autoclaving or microwaving waste should conform to these standards. These options can be selected for waste categories 3, 4, 6, 7 of Schedule – I of the Bio-Medical Waste (Management & Handling) Rules, 1998.

 Shredder: Shredding will cause a reduction in the volume of waste and will also effectively prevent its re-use. It is required for waste category 4 and 7 of the Schedule – I of the Bio-Medical Waste (Management & Handling) Rules, 1998. it should be ensured that waste is disinfected by chemicals/microwaving/autoclaving before shredding.

4. <u>Needle and Syringe Destroyer:</u> These units can be used for needles and syringes at the point of use. These will destroy the used needles reducing it to ashes and cut the syringe effectively preventing the re-use. 5. <u>Transportation of Waste:</u> Within the hospital in dedicated wheeled containers, trolleys or carts should be used to transport the bins or plastic bags to the site of storage/ treatment. The wheeled container should be designed so that waste can be easily loaded, remain secure during transportation, does not have sharp edges and is easy to clean and disinfect.

The assistance will be given direct to the hospital/institute for purchase of equipments for waste treatment facilities/installation of equipment and civil/electrical works to house the waste treatment facilities, training, IEC activities including preparation and publication of literature, posters, pamphlets, etc. The financial assistance will be limited to Rs.85 lakhs per hospital or Rs.1.50 crore per State/UT. The estimated costs are as under:-

- 1. Incinerator or Microwave = Rs.35.00 lakhs
- 2. Shredder (Approx. 100 kg to 360 kg./hour) = Rs.10.00 lakhs
- 3. Autoclave (Approx. Cap. Vol. 1015 litrs) = Rs.30.00 lakhs
- 4. Waste transportation: Onsite-wheel barrow/ wheeled
  - = Upto max. of

container or similar carriage Rs.50,000.00

- 5. Civil and Electrical works = Rs.2.50 lakhs
- 6. Literature/IEC/Training of Staff
  - = Rs.2.00 lakhs
- 7. Procurement of equipments like needle shredder puncture proof containers for sharps, colour coded bags, trolleys, protective gears for staff etc. for Disposal of hospital wastes = Rs.5.00 lakhs

The following eligibility conditions have to be fulfilled for availing of financial assistance:

- i. The application for financial assistance should be forwarded to this Ministry through the State Government/UT Administration concerned.
- ii. The State Government/UT Administration should ensure that the existing facilities are inspected by a responsible officer and deficiencies pointed out. The proposal for additionalities, if any, in the form of equipment should be, as far as possible, by way of complementary equipments supported by estimates of concerned authorities.
- iii. The cost of equipments to be purchased should be indicated. The equipments will be purchased as per prescribed procedure. These will be entered into an Assets Register to be maintained by the hospital.
- iv. The grant will be subject to the condition that the State Government / UT Administration will give an undertaking that adequate arrangements for running the equipments and their maintenance for disposal of hospital waste shall be made.
- v. The grant will be subject to the condition that the State Government/UT Administration/ Hospital will give an undertaking that they will provide the required trained manpower for running of the equipments and their maintenance for proper treatment and disposal for the bio-medical waste.
- vi. The funds sanctioned will be utilized for the purpose for which it is sanctioned.
- vii. The accounts of the hospital about purchase of equipment/maintenance of the equipments/transportation of thw waste/ expenditure incurred on civil/electrical works will be audited by the Accountant General of the State Government / UT Administration and its utilization certificate will be forwarded to the Ministry of Health & Family Welfare

within a period of six months after the expiry of the financial year during which the grants is sanctioned.

The financial assistance will be limited to Rs.85 lakhs per hospital or Rs.1.5 crore per State/ UT. The State/UTs will have the option to choose any equipment (s) from the list above to cover as many hospitals as possible. However, the financial assistance per State will be provided upto a maximum amount of Rs.1.5 crore.

#### Scrutiny of Applications:

The applications received from the State Government/UT Administrations for setting up of facilities for disposal of hospital waste in the hospitals under their administrative control will be considered in the Ministry in a Committee headed by Additional Secretary and proposals cleared for giving financial assistance. The proposals then will be processed for sanction of financial assistance to the Government Hospitals/institutes. In the case of Central Government Hospitals/Institutions, the Head of the Institutions may send their proposal through Dte.GHS.

The Joint Secretary (Hospital), DDG level officer in the Dte.GHS concerned with hospitals matters will be the Nodal Officer for implementation of the scheme. The proposals will be examined through a Committee consisting of Additional Secretary, Chairman, the Joint Secretary dealing with hospital matters, Joint Secretary (FA) or his representative, DDG level officer dealing with hospitals in Dte.GHS and one representative of Central Pollution Control Board/Ministry of Environment & Forests as members. The Member Secretary of the Committee will be Director/Deputy Secretary dealing with hospital matters. The funds for setting up facilities for disposal of hospital waste will be sanctioned to the State Government/UT Administration/Occupier and it will be implemented by the concerned Government and to the concerned Head of the Hospital in case of Central Government Hospitals/Institutions.

Annexure - II

# **Referral Laboratory Networks**

# **Referral Laboratory Network for Advanced diagnostic facilities**

IDSP Leve	I - 4 Labs	a da an			IDSP
Central	South	North	East	South	Level - 5
Zone	Zone	Zone	Zone	Zone	Labs

### Advance Diagnostic Facilities

Bacterial diagnosis Enteric bacteria: Vibrio cholerae, Shigella, Salmonella		CMC Vellore Trivandrum Medical College	PGIMER Chandigarh AIIMS Delhi CRI Kasauli	RMRC Dibrugarh, Cuttack Medical College	KEM Mumbai, AFMC Pune	NICED & NICD
Streptococcus pyogenes and S pneumoniae	Indore Medical College	St. John Medical College, Bangalore	VP. Chest University of Delhi		BJ MC	CMC Vellore
•C.diphtheriae	BHU	CMC, Vellore	NICD, Delhi	STM, Kolkata	AFMC, Pune	VP Chest Institute, Delhi
Neisseria meningitidIs and N. gonorrheae	SN Medical College, Agra	State PH Lab Trivandrum	PGIMER Chandigarh	t.Si	Surat Medical College	CMC Vellore & PGIMER Chandigarh
Śtaphylococcus	BHU	MGR Medical University	Maulana Azad Medical College, Delhi	STM, Kolkata	AFMC, Pune	NICD, Delhi
Leptospirosis	DRDE	Virology Institute, Allepey	AIIMS IVRI	RMRC, Bubaneswar &	BJMC	RMRC Port Blair
		Tamil Nadu University, Chennal VCRC, Pondicherry		Dibrugarh		

### Viral Diagnosis

Enteric viruses	DRDE	CMC, Vellore	AIIMS & Villupuram Chest Institute	NICED Kolkata	-	EVRC, Mumbai, NIV & NICD
Arboviruses	DRDE	CMC, Vellore	AIIMS & NICD Delhi Chest Institute	NICED Kolkata		NIV
Myxoviruses	DRDE	CMC, Vellore	AIIMS & NICD Delhi Chest Institute	NICED Kolkata	-	NIV, HSADL Bhopal
Hepatitis viruses	DRDE	CMC, Vellore	AIIMS ICGEB, Delhi	NIÇED Kolkata	-	NIV
Neurotropic viruses	DRDE	CMC, Vellore	AIIMS & NICD Delhi	-	-	NIV NIMHANS
HIV	DRDE	CMC, Vellore	AIIMS	-	-	NARI, NICD & NACO ICGEB, Delhi

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# Parasitic Diagnosis

Malaria	All State Public Health Laboratories	MRC, Delhi ICGEB, Delhi
Filaria	All State Public Health Laboratories	NVBDCP, Delhi VCRC Pondicherry

#### Zoonoses

Dengue	DRDE	VCRC, Pondicherry Institute of Virology, Aleppey	AIIMS	NICED	NIV ,	NIV ICGEB, Delhi
JE	DRDE	CRME, Madurai & NIMHANS	AIIMS	NICED	NIV	NIV /NICD
		VCRC, Pondicherry	s de la serve Al title de	а (р. 1997) 1917 — Полона (р. 1917) 1917 — Полона (р. 1917)		

Plague	DRDE	NICD Bangalore	NICD, Delhi	-	Haffikins Institute	NICD, Delhi	
Rickettsial diseases	DRDE	CMC, Vellore		_	AFMC	NICD IVRI	

# Others of Public Health Importance

1

ALC: NO

- No

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Anthrax	DRDE ,	CMC, Vellore	IGIB	NICED, Calcutta	BJMC	NICD IVRI
Microbial water quality monitoring	NEERI, Nagpur	CMC Vellore, Trivandrum Medical College	PGIMER Chandigarh AIIMS, Delhi CRI Kasauli	RMRC, Dibrugarh, Cuttack Medical College	KEM Mumbai, HAFFKIN's, Mumbai AFMC Pune	NICED & ŅICD
Unknown pathogens Other		aboratories to perform support functions			NIV, NICD, HSADL	
		Colleges and state public health ries as L3/ L4			NICD, NIV, NICED, VCRC	
		al Colleges, state public health laboratories the L4 & L5 laboratories (in their area of ise)			NIV, NICD	
Capacity building	_4 & L5 laboratories (in their area of se)			NIV, NICD		
Quality assurance All the exper		_4 & L <sub>5</sub> laborato se)	ories (in their a	CMC, TRC, NTI, AFMC, NARI, RMRC, Port Blair NIV, NICD		
		he L4 & L5 laboratories (in their area of ertise)			CMC, TRC, NARI, RMRC,Port Blair NIV, NICD, BJMC, NICED	
Production & supply of reagents/ kits/ biological/ standard reference materials					DRDE, NIV, IVRI, NICED, NICD, MRC, Delhi AFMC, Pune NARI TRC, Chennai RMRC, Port Blair	
Biosafety & bio- containment	aboratories to pe	atories to perform support function			HSADL, NIV/MCC, DRDE, NICD	

# List of Abbreviations

	BJMC	BJ Medical College
	CHC	Community Health Centre
	CME	Continuing Medical Education
	CSSD	Central Sterile and Supply Department
	CRI	Central Research Institute
	CRME	Centre for Research in Medical Entomology
	DRDE	Defense Research and Development Establishment
	ICGEB	International Centre for Genetic Engineering and Bio-technology
	EVRC	Enterovirus Research Centre
·	FRU	First Referral Unit
	HSADL	High Security Animal Diseases Laboratory
	IGIB	Institute of Genomics and Integrative Biology
	IPHS	Indian Public Health Standards
	IVRI	Indian Veterinary Research Institute
	KEM	King Edmund Memorial Hospital
	MRC	Malaria Research Centre
	NARI	National AIDS Research Institute
	NEERI	National Environmental Engineering Institute
	NICED	National Institute of Cholera and Endemic Diseases
	NIV	National Institute of Virology
	NRHM	National Rural Health Mission
	PRI	Panchayati Raj Institution
	RKS/HMC	Rogi Kalyan Samiti / Hospital Management Committee
	RMRC	Regional Medical Research Centre
	STM	School of Tropical Medicines
	VCRC	Vector Control Research Centre

#### References

- 1. Indian Standard Basic Requirement for Hospital Planning; Part 2 Upto 100 Bedded Hospital, Bureau of Indian Standards, New Delhi, January, 2001
- 2. Rationalisation of Service Norms for Secondary Care Hospitals, Health & Family Welfare Department, Govt. of Tamil Nadu. (Unpublished)
- 3. District Health Facilities, Guidelines for Development and Operations; WHO; 1998.
- 4. Indian Public Health Standards (IPHS) for Community Health Centres; Directorate General of Health Services, Ministry of Health & Family Welfare, Govt. of India.
- 5. Population Census of India, 2001; Office of the Registrar General, India.