

## NEONATOLOGY

NEONATOLOGY				
	Minimum standards for Hospital	BASIC(General purpose)	ADVANCE (Non Teaching Hospital )	REMARK
1	<b>Scope</b>	Providing services for eg. (General Hospital with Single Specialities / Multiple Specialities example Sub Divisional Hospital, District Hospital, Civil Hospital,Private Hospital, Nursing Home) etc For post delivery Newborn care, prevention of Hypothermia , management of low birth weight baby, jaundice	Providing services for Superspecialities example Civil Hospital, Regional Hospital,Nursing Home,Private Hospital etc. Treatment of babies with respiratory failure,c pap,ventilator,seizure disorder,septicemia,jaundice, LBW and VLBW babies	
	<b>Services Provided</b>			
	1.1 General purpose	Yes		
	1.2 Single Speciality	Yes		
	1.3. Multispeciality	Yes		
	1.4. Superspeciality		Yes	
2	<b>Human resources</b>			
	1.1 Doctors			
	Med person incharge	MD/DNB/DIPLOMA/ PAEDIATRICS /MATERNAL AND CHILD HEALTH FROM RECOG INSTITUTION WITH 03 YRS EXPERIENCE IN NEONATOLOGY - Desirable	MD/DNB/DIPLOMA/ PAEDIATRICS FROM RECOG INSTITUTION WITH 03 YRS EXPERIENCE IN NEONATOLOGY - Mandatory DM/DNB NEONATOLOGY or equivalent foreign qualification: desirable	
	OpOphthalmology, ENT experts for follow-up of high-risk neonates		Yes	D
	Duty Doctors	MBBS Doctors for round the clock cover	MBBS Doctors for round the clock cover	M
	1.2 Nurses			
	General nurses	1 per 5 beds	1 per 3 beds	M
	Trained Nurses for ICU/OT/HDU	1 per 5 beds	1 per2 beds	M
	Hospital Infection Control			1 D
	1.3 Pharmacist	Yes	Yes	yes, if inhouse pharmacy; part of Hospital
	1.4 Para Medical and other staff			
	a. Lab Tech	Yes	Yes	M- if own lab
	b. Xray Technician	Yes	Yes	M-if own
	c. ECG Technician	Yes	Yes	M
	d. Dietician(Lactational Councillor)	Yes	M	M-(Trained in Breast Feeding and KMC)

e. Physiotherapist	yes	yes	D
f. Psychologist	Yes	Yes	D
g. Medicosocial worker	Yes	Yes	D
h. Cleaner	Yes	Yes	Appropriate Manpower to ensure adequate disinfection One per shift: Desirable
i. Attendant		Yes	
<b>3 Equipment</b>			
Therapeutic	<p>1. Open care system: radiant warmer, fixed height, servo- controlled with trolley, drawers, O2-bottles ,</p> <p>2) Phototherapy unit</p> <p>3)Resuscitator (silicone resuscitation bag and mask with reservoir) hand-operated, neonate, 500 ml, 750 ml, 4)</p> <p>Electronic Weighing Scale, 5)</p> <p>Electric suction machine /central suction system</p> <p>6) Manual suction machine</p> <p>7) Thermometer, clinical, digital,</p> <p>8) Examination Light, mobile</p> <p>9) Laryngoscope with 0, 1size blade,</p> <p>10)Washbasin</p> <p>11)Hub Cutter, syringe</p> <p>12) Oxygen cylinder/Central oxygen supply</p> <p>13)fire safety equipment as per requirement</p> <p>14) ABG machine</p> <p>15) Pulse oximeter</p> <p>16) Portable X Ray</p> <p>17) CPAP machine</p> <p>18) minimum 3 para monitor(SpO2,HR,ECG)</p> <p>19) Infusion pumps</p>	<p>1. Open care system: radiant warmer, fixed height, servo- controlled with trolley, drawers, O2-bottles ,</p> <p>2) Phototherapy unit</p> <p>3)Resuscitator (silicone resuscitation bag and mask with reservoir) hand-operated, neonate, 500 ml, 750 ml,</p> <p>4) Electronic Weighing Scale,</p> <p>5) Electric suction machine /central suction system</p> <p>6) Manual suction machine</p> <p>7) Thermometer, clinical, digital,</p> <p>8) Examination Light, mobile</p> <p>9) Laryngoscope with 0, 1size blade,</p> <p>10)Washbasin</p> <p>11)Hub Cutter, syringe</p> <p>12) Oxygen cylinder/Central oxygen supply</p> <p>13)fire safety equipment as per requirement</p> <p>14) ABG machine</p> <p>15) Pulse oximeter</p> <p>16) Portable X Ray</p> <p>17) CPAP machine</p> <p>18) minimum 3 para monitor(SpO2,HR,ECG)</p> <p>19) Infusion pumps</p> <p>20) Ventilator</p> <p>21) Compressed air line or stand alone compressors for ventilators</p> <p>22) Ultrasound machine: Echo optional</p>	M 21-29: Desirable
Diagnostic	ABG machine, glucometer	Yes	M-Mandatory
Surgical	Chest tube drainage,dressing tray		
Emergency	Yes		
Sterlizing	Yes	Yes	M

	Drugs, Medical devices and consumables	10% dextrose,25% dextrose,Calcium gluconate,dopamine,dobutamine,adrenaline,midazolam,salbutamol,antibiotic as per institutional protocol,a hand sanitizer,liquid soap,phenytoin,phenobarbitone,Intra Venous Cannula 24g,26g Mucus Extractor, 20 ml, sterile, Oxygen Cylinder,Sterile Gloves,Hand Sanitizer Measuring tape, all I V Fluid.	10% dextrose,25% dextrose,Calcium gluconate,dopamine,dobutamine,adrenaline,midazolam,salbutamol,antibiotic as per institutional protocol,a hand sanitizer,liquid soap,phenytoin,phenobarbitone,Intra Venous Cannula 24g,26g Mucus Extractor, 20 ml, sterile, Oxygen Cylinder,Sterile Gloves,Hand Sanitizer Measuring tape, all I V Fluid. Intravenous lipid and amino acid solutions for parenteral nutrition	
	List of disposables	ET Tube,Infusion set ,burrete,Disposable syringe-(1ml,2ml,5ml,10ml,10ml,20ml,50ml ),Umbilical catheter,infant feeding tube(6,8),Oxygen catheter,Sterile glove of various sizes,measuring tap,gown,NIBP,Glucometer	ET Tube,Infusion set ,burrete,Disposable syringe-(1ml,2ml,5ml,10ml,10ml,20ml,50ml ),Umbilical catheter,infant feeding tube(6,8),Oxygen catheter,Sterile glove of various sizes,measuring tap,gown,NIBP,Glucometer	M
	Annual Maintenance records of equip	yes	yes	D
<b>4 Support Services</b>				
	4.1. Laboratory	Yes	Hb,TLC,DLC,PS examination/Serum bilirubin/CSF examination/CRP/Blood sugar/Blood calcium estimation.	own or Outsourced
	4.2. Imaging	Yes	Yes	own or Outsourced
	4.3. Pharmacy	Yes	Yes	M-own/outsourced
	4.4. sterlization/CSSD	Yes	Yes	M
	4.5 biomedical waste management,	Yes	Yes	M
	4.5. Medical Gas/Manifold	Yes	Yes	M
	4.6. Blood storage unit/blood Bank	Yes	Yes	M-own /outsourced / TIE UP
	4.7. Amb service	Yes	Yes	M-own / outsourced/ TIE UP
<b>5 Process</b>				
	Protocols and Policies		written protocols in the unit (should cover common neonatal problems, follow-up care, infection control policies, daily ICU routines, etc	D

M- Mandatory

D- Desirable