

OM SAKTHI
MELMARUVATHUR ADHIPARASAKTHI INSTITUTE OF MEDICAL SCIENCES AND
RESEARCH
MELMARUVATHUR
IMPORTANT TEACHING EQUIPMENTS / MATERIALS AVAILABLE IN
PAEDIATRICS DEPARTMENT

S. NO	NAME OF THE EQUIPMENTS	AVAILABLE
(A)	Resuscitation equipment:	
1	Ambu bag and Face mask - Neonate & infant	6
2	Ambu bag & Face mask – Children	6
3	Nasal prongs	Adequate
4	Nasal catheters	Adequate
5	Endotracheal tubes	Adequate
6	Suction apparatus	6
7	Suction catheters	Adequate
8	Laryngoscope - Infant	4
9	Laryngoscope - Children	4
(B)	Oxygen Delivery System-	
10	Oxygen Cylinder	8
11	Oxygen regulator	8
12	Oxygen Humidifiers	8
13	Oxygen head-box (of each size)	Adequate
14	Nebulizers	6
(C)	Drug Delivery Equipment/ Catheter/tube-	
15	Blood Transfusion Set	Adequate
16	Intra-venous (I.V.) Drip set	Adequate
17	Measure volume Set	Adequate
18	Intra-venous (I.V.) Cannula (Butterfly type)	Adequate
19	Intracath (different sizes)	Adequate
20	Umbilical vein Catheter	Adequate
21	Infant Feeding tubes	Adequate

22	Three way and four way valve	Adequate
(D)	Measurement Equipment	
	Digital Weighing machine	
23	- Infant	4
24	- Child	4
25	- Neonates	4
26	Infantometer	6
27	Stadiometer	6
28	Measuring tape	Adequate
29	Shakir's tape	Adequate
30	Digital Thermometer-Oral *(Mercury based instruments to be replaced with other alternatives)	Adequate
31	BP measuring Instrument with various cuff sizes - Digital (Only Non mercury alternatives to be used)	8
(E)	Work Lab and Investigations:	
32	Bone marrow needle	10
33	Lumbar Puncture (L.P.) Needles	10
34	Pleural aspiration needle	10
35	Vim-Silverman liver biopsy needle	4
36	True Cut Renal biopsy needle	4
37	X-ray view box	10

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(F)	Miscellaneous	
38	Glucometer	4
39	Pulse Oximeter	8
40	CPAP machine*	4
41	Mechanical Ventilator (neonatal and child)	3+3
42	Radiant Warmer	8
43	Phototherapy unit	8
44	Ophthalmoscope	4
45	Pleural Fluid Collection Bag	Adequate
46	Urine Collection Bag	Adequate
47	LED phototherapy unit	4
48	Multimedia Projector with Screen	1
49	Laptop	1
	Note: CPAP machine, Mechanical Ventilator, Radiant Warmer, Phototherapy unit, Pulse oximeters, Multipara monitors, are required in proportion to Neonatal and Pediatric ICU bed capacity. Phototherapy unit should preferably be double surface. NICU should preferably have Transcutaneous Bilirubinometer.	
	Oxygen supply should be from central pipeline through manifold gas supply system, liquid oxygen supply, suction should be through wall mount supply system. Essential equipment should be according to age of the children i.e. neonate/infant/toddler/children.	