

LIST OF EQUIPMENT – MCB (DEPARTMENT OF PEDIATRICS) (2021-2025)**PHASE 1**

	Name of the Equipment	PHASE 1		
1.1. List of items for ward including private ward, casualty and day care				
S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Ambulatory BP monitors	6	Rs. 2,75,000	Rs. 16,50,000
2	BP instrument - aneroid	35	Rs. 5,000	Rs. 1,75,000
3	Defbrillator	7	Rs.17,00,000	Rs.1,19,00,000
4	ECG machine	3	Rs. 80,000	Rs. 2,40,000
5	Glucometer	20	Rs.20,000	Rs.4,00,000
6	Heavy duty stadiometer	6	Rs. 1,50,000	Rs. 9,00,000
7	Nebulizers	18	Rs. 10,000	Rs. 1,80,000
8	Nebulizer (Ultrasonic)	18	Rs. 75,000	Rs. 13,50,000
9	NIBP Monitor	10	Rs. 1,00,000	Rs. 10,00,000
10	Ophthalmoscope	10	Rs. 5,000	Rs. 50,000
11	Beds (with head access) (Elec. Control)	110	Rs. 2,50,000	Rs. 2,75,00,000
12	Otoscope	10	Rs. 5,000	Rs. 50,000
13	Over head warmer	10	Rs.4,00,000	Rs.40,00,000
14	Pediatric ventilator	12	Rs.25,00,000	Rs.3,00,00,000
15	Pulse oximeter	30	50,000Rs.	Rs.15,00,000
16	Radiant warmers with bassinet	8	Rs.60,000	Rs.60,000
17	Refrigerator (different capacity)	12	Rs. 25,000	Rs. 3,00,000
18	Resuscitation bag different sizes	80	Rs.1,600	Rs.1,28,000
19	Suction machine	5	Rs.40,000	Rs.2,00,000
20	Air mattress	30	Rs.6,000	Rs.1,80,000
21	Syringe infusion pump	200	Rs. 50,000	Rs. 1,00,00,000
22	Infusion pump stand	100	Rs. 20,000	Rs. 20,00,000
23	Transport Ventilator	5	Rs.12,00,000	Rs.60,00,000
24	Weighing scales - infant	15	Rs. 50,000	Rs. 7,50,000
25	Weighing scale-Pediatric	15	Rs. 50,000	Rs. 7,50,000
26	Weighing scales - chair	6	Rs. 1,00,000	Rs.6,00,000
27	Automatic beverage machine	1	Rs.60,000	Rs.60,000
28	Drinking water purification system	4	Rs. 15,000	Rs. 60,000
29	Heavy Duty central printer	3	Rs.80,000	Rs.2,40,000
30	Infant measuring board	10	Rs.5,000	Rs.50,000
31	Stretcher cum trolley	20	Rs.20,000	Rs.4,00,000
32	IV Stand	100	Rs.3,000	Rs.3,00,000
33	Laminar flow system	10	Rs. 4,00,000	Rs. 40,00,000

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34	LED X-ray view box	40	Rs. 40,000	Rs. 16,00,000
35	Multi Sign monitors	50	Rs. 4,00,000	Rs. 2,00,00,000
36	Urine refractometer	4	Rs.1,00,000	Rs.4,00,000
37	LED Television	15	Rs. 1,00,000	Rs. 15,00,000
38	Air purifier	2	Rs. 4,00,000	Rs. 8,00,000
39	Automated hand sanitizer	1	Rs.15,000	Rs.15,000
40	Music system /DVD	1	Rs. 25,000	Rs. 25,000
41	Couch for attendants	100	Rs. 1,00,000	Rs. 1,00,00,000
42	Laryngoscope with different size blades	25	Rs.2,000	Rs.50,000
43	Resuscitation carts	10	Rs.1,00,000	Rs.10,00,000

1.2 OPD and Child developmental Services

1.2.1 OPD

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Wall-mounted stadiometer	35	Rs. 2,000	Rs. 70,000
2	Heavy duty stadiometer	5	Rs. 1,50,000	Rs. 7,50,000
3	Resuscitation trolley	2	Rs. 4,00,000	Rs. 8,00,000
4	Toys and books for play room	1	Rs. 4,00,000	Rs. 4,00,000
5	Physiotherapy equipment	1	Rs. 10,00,000	Rs. 10,00,000
6	Weighing scales - infant (electric)	7	Rs. 50,000	Rs. 3,50,000
7	Weighing scale-Pediatric (electric)	7	Rs. 50,000	Rs. 3,50,000

1.2.2 Developmental Services

A. Physiotherapy and Occupational therapy

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Goniometers for range of motion assessment	3	Rs.1,250	Rs.3,750
2	Hand grip strength measurement kits	1	Rs.2500	Rs.2500
3	Equipment like Dumbbells, Pulleys, Weight, Exercise Cycles, Quadriceps exerciser, Rowing exercise machine, shoulder wheels, Wobble boards etc.	1	Rs.80,000	Rs.80,000
4	Exercise mats	1	Rs.3,000	Rs.3,000
5	Push up blocks	1	Rs.1,000	Rs.1,000
6	Parallel bars	1	Rs.4,000	Rs.4,000
7	Tilt tables	1	Rs.40,000	Rs.40,000
8	Large Mirror	1	Rs.6,000	Rs.6,000
9	Variable height step stairs with grab bars	5	Rs. 30,000	Rs. 1,50,000
10	Walking sticks, walkers and	1	Rs.4,000	Rs.4,000

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11	other ambulatory aids Exercise treadmill	1	Rs.25,000	Rs.25,000
12	Continuous passive motion machines for knee and shoulder joints	1	Rs.20,000	Rs.20,000
13	Hand splinting kit and instruments	1	Rs.20,000	Rs.20,000
14	Vertical and Horizontal standing	1	Rs.18,000	Rs.18,000
15	Finger climbers	1	Rs.1,000	Rs.1,000
16	Fret Saw Medicinal balls	5	Rs. 5,000	Rs. 25,000
17	Gaiters	1	Rs.3,500	Rs. 30,000
18	Standing frame	1	Rs.15,000	Rs.15,000
19	Transfer boards	1	Rs.14,000	Rs.14,000
20	Cerebral palsy chairs	1	Rs.10,000	Rs.10,000
21	Sets of bolsters	10	Rs. 3,000	Rs. 30,000
22	Sets of beach balls	10	Rs. 500	Rs. 5,000
23	Games and peg boards	1	Rs.800	Rs.800
24	Beads box	1	Rs.1,000	Rs.1,000
25	Prefabricated splints (right splints, hand splints etc.) collars, corsets, orthoses (ankle foot orthoses etc.)	20	Rs. 5,000	Rs. 1,00,000
26	Electrotherapy equipment	1	Rs.18,000	Rs.18,000
27	Wax bath chamber	1	Rs.10,000	Rs.10,000
28	Hydrocollator packs (12)	4	Rs.1,200	Rs.4,800
29	Short-wave diathermy unit	1	Rs.30,000	Rs.30,000
30	Interferential current therapy	2	Rs. 40,000	Rs. 80,000
31	Ultrasound therapy unit	5	Rs. 20,000	Rs. 1,00,000
32	Microwave diathermy unit	3	Rs. 30,000	Rs. 90,000
33	Traction unit-cervical, lumbar	1	Rs.18,000	Rs.18,000
34	Infrared lamp	1	Rs.2,000	Rs.2,000
35	Neuromuscular stimulator	5	Rs. 10,000	Rs. 50,000
36	TENS	5	Rs. 15,000	Rs. 75,000
37	Wooden blocks	4	Rs. 2,500	Rs. 10,000
38	SACH feet	2	Rs. 2,50,000	Rs. 5,00,000
39	Prefabricated Orthotic joints of Different sizes (ALIMCO)	10	Rs. 2,000	Rs. 20,000
40	Prefabricated orthotic bars Upright of different sizes (ALIMCO)	10	Rs. 5,000	Rs. 50,000
41	Tape recorder	2	Rs. 10,000	Rs. 20,000
42	Blank cassettes	1000	Rs. 100	Rs. 1,00,000
43	Aphasia test battery	1	Rs. 14,000	Rs. 14,000
44	Mirror(approx. Size4'x2.5')	5	Rs. 150	Rs. 750
45	Flash cards, charts poster	50	Rs. 500	Rs. 25,000

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46	Computer with speech therapy related educational CDs	1	Rs. 30,000	Rs. 30,000
47	Toy (sound producing/noise making) for children	20	Rs. 100	Rs. 2,000
48	Furniture such as small chairs tables for children with speech problem	5	Rs. 350	Rs. 1,750
49	Special toy library for children with disabilities (300 toys)	1	Rs. 6,00,000	Rs. 6,00,000
50	Activities of daily living evaluation kit - depends on the number of items included like steadiness tester, pencil maze tester, tremor quantifier, finger dexterity test, key hole test, counting and colour sorting, finger comprehension, sound discrimination	5	Rs. 20,000	Rs. 1,00,000
51	ADL training boards	1	Rs.5,000	Rs.5,000
52	Weschler scale of non-verbal ability	1	Rs. 47,500	Rs. 47,500
53	Raven's educational progressive matrices and vocabulary scale	1	Rs. 31,000	Rs. 31,000
54	Behavioral assessment system for children	1	Rs. 23,500	Rs. 23,500
55	Weschler memory scale-IIIrd Revision India	1	Rs.53,615	Rs.53,615
56	Vineland Adaptive BehaviorScale 3 rd Edition	1	Rs. 36,000	Rs. 36,000
57	Test for everyday attention for Children	1	Rs. 32,000	Rs. 32,000
58	Dyslexia, early screening test	1	Rs.30,000	Rs.30,000
59	Learning Disability Diagnostic Inventory	1	Rs. 9,500	Rs. 9,500
60	Diagnostic evaluation for articulation and phonology	1	Rs. 19,000	Rs. 19,000
61	CARS-II Revision	1	Rs. 12,000	Rs. 12,000
62	Adaptive Behavior scale	1	Rs. 16,000	Rs. 16,000
63	Social Communication Questionnaire	1	Rs. 9,000	Rs. 9,000
64	DSM-V	1	Rs. 8,850	Rs. 8,850
65	Pediatric Evaluation of Disability Inventory			
	Manual	1	Rs. 8,000	Rs. 8,000
	Scoring forms (Packet of 25)	100	Rs. 3,000	Rs. 3,00,000
66	Hot Air Oven			
	24" x 24" x 24"	1	Rs. 36,000	Rs. 36,000
	24" x 24" x 36"	1	Rs. 44,000	Rs. 44,000

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67	Hot Air Gun (160kW, 230V)	2	Rs. 4,000	Rs. 8,000
68	Grinding Machine (Motor speed 11000rpm, handle type side handle)	2	Rs. 2,100	Rs. 4,200
69	Sander (160W, 24000rpm)	2	Rs. 2,900	Rs. 5,800
70	Power Drill (230V, 500W, 47600 rpm)	2	Rs. 12,000	Rs. 24,000
71	Wood Saw (5300 rpm, circular saw)	2	Rs. 7,000	Rs. 14,000
72	Automatic Vacuum forming machine	1	Rs. 45,000	Rs. 45,000
73	Leather sewing machine	1	Rs. 18,000	Rs. 18,000
74	Casting brim	2	Rs. 25,000	Rs. 50,000
75	Measuring scale	10	Rs. 900	Rs. 9,000
76	Iron bending machine	1	Rs. 20,000	Rs. 20,000
77	Scissor	10	Rs. 2,000	Rs. 20,000
78	Punching machine			
	Paper	10	Rs. 200	Rs. 2,000
	Metal	1	Rs. 50,000	Rs. 50,000
79	Files of all sizes	10	Rs. 3,000	Rs. 30,000
80	Spirit Level	1	Rs. 1,000	Rs. 1,000
81	Hammers (4 different sizes)	2	Rs. 1,500	Rs. 3,000
82	Marking pencils (Set of 10)	10	Rs. 500	Rs. 5,000
83	Tracking pens (set of 2)	10	Rs. 600	Rs. 6,000
84	POP Powder (per kg)	10	Rs. 200	Rs. 2,000
85	Velcro (per metre)	10	Rs. 200	Rs. 2,000
86	Resin/ polyester (per metre)	10	Rs. 500	Rs. 5,000
87	Electrical switches (per piece)			
	5 amp	25	Rs. 300	Rs. 7,500
	15 amp	25	Rs. 500	Rs. 12,500
88	Buckles (per piece)	20	Rs. 50	Rs. 1,000
89	Plumb Line (per metre)	5	Rs. 190	Rs. 950
90	Suede Leather (per stack varying from 100 to 120g)	5	Rs. 7,500	Rs. 37,500
91	Quadriceps Exercise Chair	1	Rs. 12,000	Rs. 12,000
92	Rowing Machine	1	Rs. 20,000	Rs. 20,000
93	Shoulder Wheel Wall Mounted	1	Rs. 15,000	Rs. 15,000
94	Wobble Board	1	Rs. 2,500	Rs. 2,500
95	Rollator**	1	Rs. 3,500	Rs. 3,500
96	Stacking Board	1	Rs. 650	Rs. 650

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97	Maze Board	1	Rs. 800	Rs. 800
98	Shape Board	1	Rs. 650	Rs. 650
99	Wooden Puzzles Tray	1	Rs. 300	Rs. 300
100	Block Puzzle	1	Rs. 400	Rs. 400
101	Self Help Device	1	Rs. 5,000	Rs. 5000
102	Children's Memory Scale	1	Rs. 53,615	Rs. 53,615
103	Wooden Box	1	Rs. 1,000	Rs. 6,00
104	Wedges	2	Rs. 6,000	Rs. 12,000
105	Platform Swing Square	1	Rs. 3,500	Rs. 3,500
106	T-Bolster Swing	1	Rs. 4,000	Rs. 4,000
107	Ladder	1	Rs. 3,500	Rs. 3,500
108	Body Vibrator	1	Rs. 1,200	Rs. 1,200
109	Tactile Board With Visual Input	1	Rs. 8,000	Rs. 8,000
110	Pronator Supinator	1	Rs. 1,500	Rs. 1,500
111	Cosco Therapy Ball 55 CMS	1	Rs. 810	Rs. 810
112	Cosco Therapy Ball 65 CMS	1	Rs. 870	Rs. 870
113	Cosco Therapy Ball 75 CMS	1	Rs. 1,300	Rs. 1,300
114	Cosco Therapy Ball 85 CMS	1	Rs. 1,550	Rs. 1,550
115	Peanut Ball	1	Rs. 1,500	Rs. 1,500
116	Theraband Set	5	Rs. 2,000	Rs. 10,000
117	Children's Communication Checklist	1	Rs. 26,000	Rs. 26,000
118	CONNER's 3	1	Rs. 80,000	Rs. 80,000
119	Screening and Diagnostic Test of Dyslexia	1	Rs. 12,000	Rs. 12,000
120	Clinical Assessment of Articulation and Phonology (II)	1	Rs. 20,698	Rs. 20,698

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121	Test of Memory and Learning	1	Rs. 35,945	Rs. 35,945
122	Adaptive Behavior Diagnostic Scale	1	Rs. 80,000	Rs. 80,000
123	Childhood Autism Rating Scale II	1	Rs. 20,025	Rs. 20,025
124	Electrotherapy Equipment 5 in	1	Rs. 18,000	Rs. 18,000
125	Wax Bath Chamber	1	Rs. 10,000	Rs. 10,000
126	Short Wave Diathermy	1	Rs. 30,000	Rs. 30,000
127	Traction Unit	1	Rs. 18,000	Rs. 18,000

1.3. ICUs (Neonatal and Pediatric)

1.3.1. Neonatal Unit

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Warmers (10 for delivery areas)	18	Rs. 7,00,000	Rs. 1,26,00,000
2	Incubators	16	Rs. 14,00,000	Rs. 2,24,00,000
3	Ventilators (advanced with HFO)	20	Rs. 25,00,000	Rs. 5,00,00,000
4	CPAP	15	Rs. 4,00,000	Rs. 60,00,000
5	Infusion pumps	120	Rs. 50,000	Rs. 60,00,000
6	Pulse-oximeters	20	Rs. 50,000	Rs. 10,00,000
			Rs.	Rs.
8	USG/Echo	1	Rs. 25,00,000	Rs. 25,00,000
9	Multipara monitors with central monitoring station	25	Rs. 4,00,000	Rs. 1,00,00,000
			Rs.	Rs.
			Rs.	Rs.
12	Breast pumps - heavy duty	6	Rs. 3,00,000	Rs. 18,00,000
13	Ambulatory EEG	1	Rs. 12,00,000	Rs. 12,00,000
14	Inhaled NO	1	Rs. 50,00,000	Rs. 50,00,000
15	Therapeutic hypothermia	1	Rs. 20,00,000	Rs. 20,00,000
16	Transcutaneous bilimeter	4	Rs. 2,50,000	Rs. 10,00,000
17	Transport incubator	3	Rs. 12,00,000	Rs. 36,00,000
18	Cold light (transilluminator)	2	Rs. 1,50,000	Rs. 3,00,000
19	Phototherapy units	20	Rs. 40,000	Rs. 8,00,000
20	Oxygen analyzer	2	Rs. 60,000	Rs. 1,20,000
21	Flux meter	6	Rs. 60,000	Rs. 3,60,000
22	AABR machine	1	Rs. 12,00,000	Rs. 12,00,000
23	Bili Blanket	6	Rs. 2,00,000	Rs. 12,00,000
24	HHHFNC	5	Rs. 4,00,000	Rs. 20,00,000

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25	Low flow oxygen meter	16	Rs. 20,000	Rs. 3,20,000
26	Manikin- low fidelity	10	Rs. 2,50,000	Rs. 25,00,000
27	Blender	10	Rs. 1,00,000	Rs. 10,00,000
28	T piece resuscitator	6	Rs. 2,00,000	Rs. 12,00,000

1.3.2 Pediatric ICU

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	ICU Beds	15	Rs. 5,00,000	Rs. 75,00,000
2	Pediatric ICU Ventilator for all age group	12	Rs. 25,00,000	Rs. 3,00,00,000
3	ECG monitor/defibrillator with pediatric paddles (0-400) joules and hard copy capabilities	2	Rs. 3,50,000	Rs. 7,00,000
4	Cardiopulmonary monitor with pediatric capability with 2 central console monitor (including facility for invasive arterial and central venous pressure pressing)	15	Rs. 4,00,000	Rs. 60,00,000
5	Doppler and noninvasive blood pressure monitoring (infant, child, adult cuffs)	3	Rs. 40,000	Rs. 1,20,000
6	Electroencephalography-portable	1	Rs. 20,00,000	Rs. 20,00,000
7	Magill forceps (pediatric, adult)	5	Rs. 5,000	Rs. 25,000
8	Nebulizers heavy duty (Ultrasonic)	3	Rs. 75,000	Rs. 2,25,000
9	Oxygen hood	10	Rs. 1,000	Rs. 10,000
10	Oxygen analyzers	2	Rs. 40,000	Rs. 80,000
11	IV Fluid/blood warmer	4	Rs. 50,000	Rs. 2,00,000
12	Inhaled NO delivery system	1	Rs. 50,00,000	Rs. 50,00,000
13	Hemodialysis machine with hematocrit monitoring	1	Rs. 30,00,000	Rs. 30,00,000
14	Heating and cooling blankets	4	Rs. 40,000	Rs. 1,60,000
15	High Frequency Ventilator (Oscillator)	2	Rs. 25,00,000	Rs. 50,00,000
16	Intracranial pressure monitoring systems	2	Rs. 5,00,000	Rs. 10,00,000
17	ECMO	1	Rs. 3,00,00,000	Rs. 3,00,00,000

1.4.1 Pediatric Renal Replacement Facility

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Hemodialysis machine with hematocrit monitoring	1	Rs. 27,00,000	27,00,000Rs.
2	PD Cycler	3	Rs. 8,33,333	Rs. 25,00,000
3	Hemodialysis chair	4	Rs. 4,00,000	Rs. 16,00,000
4	CRRT Machine	1	Rs. 32,00,000	Rs. 32,00,000
5	Plasmapheresis machine	1	Rs. 35,00,000	Rs. 35,00,000

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	(Portable)			
6	Water treatment plant	1	Rs. 1,20,00,000	Rs. 1,20,00,000
7	Dialyzer processing unit	1	Rs. 12,00,000	Rs. 12,00,000
8	Hemodialysis machine	2	Rs.13,50,000	Rs.27,00,000
9	Dialysis bed	1	Rs. 7,50,000	Rs. 7,50,000
10	40X Microscope	1	Rs.2,00,000	Rs.2,00,000
11	Activated clotting time monitor	1	Rs.2,00,000	Rs.2,00,000

1.4.2 Pediatric Gastroenterology Division

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	pH-Impedance measurement machine with probes	1	Rs. 15,00,000	Rs. 15,00,000
2	Capsule endoscopy apparatus	1	Rs. 8,00,000	Rs. 8,00,000
3	Side viewing endoscope adult	1	Rs. 30,00,000	Rs. 30,00,000
4	Electro-cautery machine	1	Rs. 20,00,000	Rs. 20,00,000
5	C Arm/fluoroscopy machine	1	Rs. 25,00,000	Rs. 25,00,000
6	Endoscope washers	1	Rs. 15,00,000	Rs. 15,00,000
7	Foot water pump for colonoscopy	1	Rs. 5,00,000	Rs. 5,00,000
8	Hydrogen Breath Testing machine	1	Rs. 8,00,000	Rs. 8,00,000

1.4.3 Pediatric Endocrine Division

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Insulin pump with integrated CGM	2	Rs. 5,50,000	Rs. 5,50,000
2	Insulin pump	2	Rs. 3,00,000	Rs. 3,00,000
3	Continuous glucose monitoring system	2	Rs. 60,000	Rs. 60,000
4	Blood ketone meter	1	Rs. 50,000	Rs. 50,000

1.4.4. Pediatric Pulmonology

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
			Rs.	Rs.
2	Sweat electrolyte measurement	1	Rs. 15,00,000	Rs. 15,00,000
3	Video Bronchoscope 3 in number with facilities for transbronchial FNAC, biopsy Size: 2.8, 3.8, & 6	1	Rs. 70,00,000	Rs. 70,00,000
4	Equipment for nasal trans membrane potential device	1	Rs. 40,00,000	Rs. 40,00,000
5	EBUS Radial Probe	1	Rs. 30,00,000	Rs. 30,00,000

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7	Infant pulmonary function test equipment	1	Rs.50,00,000	Rs.50,00,000
8	IOS (impulse oscillometry)	1	Rs.15,00,000	Rs.15,00,000

1.4.5. Pediatric Neurology Division

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1			Rs.	Rs.
2	Actigraphy machine	4	Rs. 3,00,000	Rs. 12,00,000
3	EEG machine with video camera	1	Rs. 60,00,000	Rs. 60,00,000
4	64 channel Viedo EEG	1	Rs. 35,00,000	Rs. 35,00,000
8	EPS machine with VEP and BERA	2	Rs. 35,00,000	Rs. 70,00,000
9	Emergency resuscitation kit	2	Rs. 2,00,000	Rs. 4,00,000

1.4.7. Integrated Biomedical Specialties laboratory

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Water distillation plant (RO + Ultrapure)- 1000 ltrs./hour	1	Rs. 30,00,000	Rs. 30,00,000
2	Autoclaving Unit (1 large)	1	Rs. 30,00,000	Rs. 30,00,000
3	Autoclaving Unit (1 small)	1	Rs. 15,00,000	Rs. 15,00,000
4	Ice Flaking machine (200 Kg/day)	2	Rs. 3,50,000	Rs. 7,00,000
6	Simple PCR machine	4	Rs. 6,00,000	Rs. 24,00,000
9	Electronic balance	2	Rs. 2,50,000	Rs. 5,00,000
10	Deep freezer -20 °C	1	Rs. 2,00,000	Rs. 2,00,000
11	2D Gel Electrophoresis	1	Rs. 6,00,000	Rs. 6,00,000
12	CO2 incubator (Also Nephrology)	3	Rs. 7,50,000	Rs. 22,50,000
13	ELISA Reader	2	Rs. 12,00,000	Rs. 24,00,000
14	Gel Doc System	1	Rs. 15,00,000	Rs. 15,00,000
15	High end Pipettes (0.1-1000 µL) complete set	8	Rs. 1,00,000	Rs. 8,00,000
16	BOD Incubator	1	Rs. 4,00,000	Rs. 4,00,000
17	Laminar hoods/Biosafety cabinets	5	Rs. 7,50,000	Rs. 37,50,000
18	Liquid nitrogen can	1	Rs. 4,00,000	Rs. 4,00,000
19	Liquid nitrogen storage can	1	Rs. 3,00,000	Rs. 3,00,000
20	Microwave oven	3	Rs. 30,000	Rs. 90,000
21	Real Time PCR	2	Rs. 22,00,000	Rs. 44,00,000
22	Refrigerator 4 deg.	2	Rs. 1,20,000	Rs. 2,40,000

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23	Speed vac	2	Rs. 7,00,000	Rs. 14,00,000
24	Table top centrifuge Non Refrigerated	2	Rs. 3,50,000	Rs. 7,00,000
25	Table Top cold centrifuge machine	2	Rs. 11,00,000	Rs. 22,00,000
26	Complete gel apparatus system horizontal	3	Rs. 5,00,000	Rs. 15,00,000
27	MiSeqnext generation sequencing platform	1	Rs. 1,50,00,000	Rs. 1,50,00,000
28	Automatic nucleic acid extraction and purification system	2	Rs. 50,00,000	Rs. 1,00,00,000
29	Rotamixer	2	Rs. 30,000	Rs. 60,000
30	Shaker water bath	3	Rs. 2,00,000	Rs. 6,00,000
31	Thermomixer	1	Rs. 4,00,000	Rs. 4,00,000
33	Hot plate stirrer	2	Rs. 1,00,000	Rs. 2,00,000
34	Shaker for ELISA plates	1	Rs. 5,00,000	Rs. 5,00,000
35	pH meter	1	Rs. 1,75,000	Rs. 1,75,000
37	Thermoshaker incubator	2	Rs. 5,50,000	Rs. 11,00,000
38	UV sterilized PCR workstation	2	Rs. 5,00,000	Rs. 10,00,000
40	Fluorescent microscope with work station and cytogenetics/FISH image analyzing software	1	Rs. 90,00,000	Rs. 90,00,000
41	Simple microscope	1	Rs. 1,25,000	Rs. 1,25,000
45	Full Western blotting system (with vertical electrophoretic unit, SDS PAGE trans blotting apparatus)	2	Rs. 6,00,000	Rs. 12,00,000
47	Fluorescence Activated Cell Sorter (Flowcytometer)	1	Rs. 2,50,00,000	Rs. 2,50,00,000
48	Axis rotator	2	15000	30,000
49	Vortexer	2	30,000	60,000
51	Semi-automated urine microscopy analyzer	1	14,00,000	14,00,000
52	Victor 2Dequipment	1	70,00,000	70,00,000
53	ChromosomalMicro-Array	1	2,00,00,000	2,00,00,000

1.5. List of item required for Education, Administration and Academic work

S. No.	Item name	Qty	Unit cost	Approx. Total Cost
1	Data Server	2	Rs. 15,00,000	Rs. 15,00,000
2	Desktop/ Laptop/ Tablets computer with peripherals	40	Rs. 60,000	Rs. 24,00,000
3	Interactive Board	1	Rs. 2,50,000	Rs. 2,50,000

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5	L.C.D. Projector	1	Rs. 1,50,000	Rs. 1,50,000
6	LED Television	3	Rs. 60,000	Rs. 1,80,000
7	Notice boards/ White Board	15	Rs. 1,000	Rs. 15,000
8	Photocopier Machine	2	Rs. 90,000	Rs. 1,80,000
9	White boards—approx. 4ft by 5 ft (for projection)	5	Rs. 10,000	Rs. 50,000
10	10 KAV on-line UPS	1	Rs. 4,00,000	Rs. 4,00,000
12	Drinking water purification system	2	Rs. 15,000	Rs. 30,000
14	Microwave oven	5	Rs. 25,000	Rs. 1,25,000
15	Patients calling system	1	Rs. 15,00,000	Rs. 15,00,000

	Name of the Equipment	PHASE 2		
1.1. List of items for ward including private ward, casualty and day care				
Sno.	Item name	Qty	Unit cost	total cost
1	Automatic beverage machine	2	Rs. 2,00,000	Rs. 4,00,000
2	Drinking water purification system	4	Rs. 15,000	Rs. 60,000
3	Pulse oximeter	30	60000	Rs. 18,00,000
4	Automatic beverage machine	2	200000	Rs. 4,00,000
5	Heavy Duty central printer	7	100000	Rs. 7,00,000
6	Multi Sign monitors	50	400000	Rs. 2,00,00,000
7	Urine refractometer	5	25000	Rs. 1,25,000
8	Laryngoscope with different size blades	25	10000	Rs. 2,50,000
9	ABG	1	2000000	Rs. 20,00,000
10	Coulter	2	1000000	Rs. 20,00,000
11	Osmometer	1	500000	Rs. 5,00,000
12	Microscope	1	100000	Rs. 1,00,000
1.2 OPD and Child developmental Services				
1.2.1 OPD				
Sno.	Item name	Qty	Unit cost	total cost
1	Weighing scales - infant (electric)	8	Rs. 50,000	Rs. 4,00,000
2	Weighing scale-Pediatric (electric)	8	Rs. 50,000	Rs. 4,00,000
1.2.2 Developmental Services				
A. Physiotherapy and Occupational therapy				
Sno.	Item name	Qty	Unit cost	total cost
1	Sensory integration set up	1	Rs. 4,00,000	Rs. 4,00,000
1.3. ICUs (Neonatal and Pediatric)				
1.3.1. Neonatal Unit				
Sno.	Item name	Qty	Unit cost	total cost

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Dr. Arvind Bagga

Dr. Arvind Bagga
Professor of Pediatrics

1	Incubator-cum-radiant warmers	5	Rs. 25,00,000	Rs. 1,25,00,000
2	NIRS	2	Rs. 8,00,000	Rs. 16,00,000
3	Weighing scales	10	Rs. 75,000	Rs. 7,50,000
4	Microbilimeter	2	Rs. 2,50,000	Rs. 5,00,000
5	Breast pumps - heavy duty	4	Rs. 3,00,000	Rs. 12,00,000
6	Transcutaneous bilimeter	3	Rs. 2,50,000	Rs. 7,50,000
7	Cold light (transilluminator)	1	Rs. 1,50,000	Rs. 1,50,000
8	Phototherapy units	10	Rs. 40,000	Rs. 4,00,000
9	Oxygen analyzer	3	Rs. 60,000	Rs. 1,80,000
10	Bili Blanket	4	Rs. 2,00,000	Rs. 8,00,000
11	HHHFNC	5	Rs. 4,00,000	Rs. 20,00,000
12	T piece resuscitator	4	Rs. 2,00,000	Rs. 8,00,000
13	Bronchoscope	1	Rs. 10,00,000	Rs. 10,00,000
14	-80 Freezers	2	Rs. 10,00,000	Rs. 20,00,000

1.3.2 Pediatric ICU

Sno.	Item name	Qty	Unit cost	total cost
1	HFNC	4	Rs. 5,00,000	Rs. 20,00,000
2	USG Machine with ECHO/Doppler	1	Rs. 30,00,000	Rs. 30,00,000
3	Low flow oxygen meter	4	Rs. 20,000	Rs. 80,000
4	Non-invasive Cardiac output monitor	1	Rs. 20,00,000	Rs. 20,00,000
5	Co-oximeter	1	Rs. 20,00,000	Rs. 20,00,000

1.4 Speciality Services (including Integrated Biomedical Specialities laboratory)

1.4.1 Pediatric Renal Replacement Facility

Sno.	Item name	Qty	Unit cost	total cost
1	Hemodialysis chair	1	Rs. 5,50,000	Rs. 5,50,000
2	Multisign monitors (with NIBP)	4	Rs. 5,00,000	Rs. 20,00,000
3	Hemodialysis machine with hematocrit monitoring and pediatric hemodiafiltration	1	Rs. 30,00,000	Rs. 30,00,000

1.4.2 Pediatric Gastroenterology Division

Sno.	Item name	Qty	Unit cost	total cost
1	Solid state manometry machine with catheter	1	Rs. 80,00,000	Rs. 80,00,000
2	OT table	1	Rs. 5,00,000	Rs. 5,00,000
3	Balloon enteroscope	1	Rs. 22,00,000	Rs. 22,00,000

1.4.4. Pediatric Pulmonology

Sno.	Item name	Qty	Unit cost	total cost
1	Flourosoupy unit	1	Rs. 40,00,000	Rs. 40,00,000
2	Automatic bronchoscope cleaning machine	1	Rs. 20,00,000	Rs. 20,00,000
3	Bronchoscope storage cabinet with UV radiation	1	Rs. 10,00,000	Rs. 10,00,000
4	Anesthesia Machine with breathing circuits	1	Rs. 15,00,000	Rs. 15,00,000

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Dr. Arvind Bagga

Dr. Arvind Bagga
Professor
Pediatrics

5	Rigid bronchoscope	1	Rs. 42,00,000	Rs. 42,00,000
6	Cryoprobe	1	Rs. 13,00,000	Rs. 13,00,000
7	Equipment for measurement of lung clearance index (LCI)	1	Rs. 5,00,000	Rs. 5,00,000
8	Portable flexible bronchoscope	1	Rs. 10,00,000	Rs. 10,00,000
9	Portable physiotherapy jacket (vest)	1	Rs. 15,00,000	Rs. 15,00,000

1.4.5. Pediatric Neurology Division

Sno.	Item name	Qty	Unit cost	total cost
1	High definition transcranial direct current stimulation system	1	Rs. 19,50,000	Rs. 19,50,000

1.5. List of item required for Education, Administration and Academic work

Sno.	Item name	Qty	Unit cost	total cost
1	Data Server	1	Rs. 5,00,000	Rs. 5,00,000
2	Desktop/ Laptop/ Tablets computer with peripherals	40	Rs. 60,000	Rs. 24,00,000
3	Interactive Board	1	Rs. 1,50,000	Rs. 1,50,000
4	Heavy Duty central printer	2	Rs. 50,000	Rs. 1,00,000
5	L.C.D. Projector	2	Rs. 1,50,000	Rs. 3,00,000
6	Notice boards/ White Board	15	Rs. 1,000	Rs. 15,000
7	Photocopier Machine	2	Rs. 90,000	Rs. 1,80,000
8	White boards—approx. 4ft by 5 ft (for projection)	5	Rs. 10,000	Rs. 50,000
9	10 KAV on-line UPS	1	Rs. 4,00,000	Rs. 4,00,000
10	Automatic beverage machine	2	Rs. 2,00,000	Rs. 4,00,000
11	Drinking water purification system	3	Rs. 15,000	Rs. 45,000
12	Patients calling system	1	Rs. 15,00,000	Rs. 15,00,000
13	High fidelity neonatal premie mannequin	1	Rs. 35,00,000	Rs. 35,00,000
14	CPAP machine	2	Rs. 4,00,000	Rs. 8,00,000
15	Infusion pump	6	Rs. 50,000	Rs. 3,00,000
16	Pulse oximeter	2	Rs. 50,000	Rs. 1,00,000
17	Weighing scale	1	Rs. 75,000	Rs. 75,000
18	Skill simulators (neonatal vein puncture)	2	Rs. 1,00,000	Rs. 2,00,000
19	Skill simulators (neonatal intubation head)	4	Rs. 50,000	Rs. 2,00,000
20	Skill simulators (Neonatal Lumbar puncture)	2	Rs. 1,00,000	Rs. 2,00,000
TOTAL 1+2				Rs. 70,48,92,578

*Items in italics are newly added equipment within the sanctioned budget

*Items in bold represent equipment with different name for the same purpose as in previous list and within same budget

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Plan 2021-2022
Department of Pediatrics
Priority list for the year 2021-2022

Name of Centre/ Department/Project	List of Equipment required during the year	Projection of funds required during the year	Funds required
Department of Pediatrics	Macroduct sweat collection and chloristimation	15 lacs	761.0810
	Anesthesia Machine with breathing circuits	15 lakhs	
	Portable flexible bronchoscope	10 Lakhs	
	Rigid Bronchoscope	42 Lakhs	
	Bronchoscope with mobility in four direction	15 Lakhs	
	Cryo probe	13 Lakhs	
	Equipment for measurement of lung clearance index (LCI)	5 Lakhs	
	Automatic bronchoscope cleaning machine	15 Lakhs	
	Cough Assist Equipment (Insufflator –Exsufflator)	3 Lakhs	
	ET CO2 module	1.5lakh	
Dr. RACHNA SETH अचार्य/Professor Department of Pediatrics, All India Institute of Medical Sciences, New Delhi-20	Equipment for pulmonary function testing in neonate, infant and pediatric patients, (under by back scheme) with existing equipment of ECOMEDICS and body box of Care Fusion	50 lakhs	
	Equipment for measurement of respiratory system impedance (Zrs) by forced oscillation technique (under buy back scheme with existing IOS equipment of cre fusion)	15 lakhs	
	Single balloon enteroscope (1)	22lakh	
	Balloon control unit for balloon enteroscope with splitting tube (1)	22lakh	

Radiant warmer (8)	16lakh		
Ambu bags (240 ml) (9)	3.6 lakh		
Bottle sterilizer (3)	0.6 lakh		
Electronic diaper weighing scale (1g sensitivity) (4)	2.8 lakh		
Bilirubinometer (3)	9 lakhs		
(3 lacs per unit)			
Infantometer-cum- weighing scale (2)	3 lakh		
1.5 lacs (per unit)			
Bronchoscope (1.6 mm) (1)	6 lacs		
Urine refractometer (7)	1.4 lakh		
0.2 lac (per unit)			
Electrocardiometry (non invasive cardiac output monitor) (2)	20 lakhs (10 lakhs each)		
Heated humidified high flow nasal cannula (equipment with circuits) (2)	10 lakhs for 2 units		
Child airway manikin or intubation head (6) @ (1.7 lakhs each)	10.2 lakhs		
Exhaled CO2 detector, adult/child (1)	0.17780 lakh		
Exhaled CO2 detector, infant (1)	0.17780 lakh		
CPR pocket masks (20)	0.01050 lakh		
Intraosseous needles (6)	0.20000 lakh		
Indirect Calorimeter (1)	15 lakhs		
Infusion pumps (20) @30000 each	6 lakhs		
Color coded length based resuscitation tape (6)	0.08400 lakh		
Vacuum filtration unit (1)	1		

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डॉ. राघना सेठ
DR. RACHNA SETH

अध्यापक/Professor

राघना सेठ/Department of Pediatrics

Postgraduate/All.I.M.S., New Delhi-29

Table top automated Cell counter (1)	9 lakhs		
HD Machine (2)	16lakh		
Apheresis/therapeutic plasma exchange unit, along with consumables (1)	30lakh		
Automated urine analyser (1)	10lakh		
Desktop computer (2)	1lak		
Printer (1)	0.15lakh		
Interactive LED Display (1)	4 lakh		
Delfia xpress (1)	60 lakh		
Soft ware system (1)	8 lakh		
Orbital shaker (1)	0.40 lakh		
Complete sample storage solution (1)	10 lakh		
Variable volume Micropipettes (10 sets)	5 lakh		
CO2 incubator (1)	7 lakh		
Bioruptor Pico (1)	20 lakh		
Chromosomal micro Array System (1)	150 lakh		
PCR machine (1)	2.5 lakh		
Fume hood for biochemical genetics lab	1.5lakh		
Micro digital weighing balance of 1mg precision (1)	3 lakh		
Printer 3 in 1 (1)	0.12 lakh		
LCD screen 32 inches (1)	0.35 lakh		

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Dr. RACHNA SETH
अध्यापक/Professor

Stadiometer (1)	0.12 lakh		
Kitchen weighing scale (1)	0.01 lakh		
Standard measuring cups, glasses, spoons and funnels (1)	0.02 lakh		
Microwave with grill and oven (1)	0.20 lakh		
Mini refrigerator (47liters) (1)	0.10 lakh		
Induction plate (hot plate) with timer (1)	0.06 lakh		
Weighing Scale (9)	6.3 lakh		
Heavy Weighing Scale (10)	10 lakh		
B.P.Monitors & NIV mask (15)	12.45 lakh		
High Beam Machine (5)	12.50 lakh		
SpO2 Monitor (15)	12.75 lakh		
Oxygen Analyzer (5)	2.50 lakh		
Warmer Bed (3)	6 lakh		
IV Poles (15)	3 lakh		
Mini centrifuge (1)	1.5 lakh		
Blood Cell counter (1)	6 lakh		
Electrolyte analyzer (1)	0.80 lakh		

K. Sed