

# DR. ULHAS PATIL MEDICAL COLLEGE & HOSPITAL, JALGAON KH.

## Department of General Medicine: -

### List of Equipment

S.N	Name	Required	Available
1	B.P. Apparatus (Mercury containing instruments should be replaced by digital or other suitable alternatives)	60	60
2	Ophthalmoscope	16	16
3	Lumbar puncture needles (disposable)	As required	Available
4	Pleural biopsy needles (disposable)	As required	Available
5	Liver biopsy needles (disposable)	As required	Available
6	Kidney biopsy needles (disposable)	As required	Available
7	Bone marrow biopsy needles (disposable)	As required	Available
8	Bone marrow aspiration needles (disposable)	As required	Available
9	X-ray viewing box	30	30
10	Flexible Video End viewing Oesophago-Gastroduodenoscope (optional)	1	1
11	Flexible Video Colonoscope (optional)	1	1
12	Flexible Video Side viewing Gastroduodenoscope for ERCP (optional)	1	1
13	Proctoscope	12	12
14	Fiber optic bronchoscope (May be shared with TB&CD)	1	1
15	Spirometer	6	6
16	Bed side cardiac monitors	24	24
17	Central Cardiac monitor Console	2	2
18	Defibrillator	1 per unit + 1 each for MICU,ICCU and 1 for casualty ward	Available
19	Non-invasive B.P. Apparatus	24	24
20	Pulse oximeter	26	26
21	Equipment for Cardiac pacing	1	1
22	Ambu bag	18	18
23	Laryngoscope	20	20
24	ECG machine	20	20
25	Echocardiography machine	2 (1 + 1 portable unit)	Available
26	Tread mill test machine	1	1
27	Hemodialysis machine	6	6
28	Peritoneal dialysis catheters	As required	Available
29	Arterial blood gas analyzer	2	2
30	Glucometer	20	20
31	EMG and nerve conduction velocity machine	1	1
32	Fine needle aspiration needle	As required	Available
33	Aspiration needle	As required	Available
34	Endotracheal tubes.	As required	Available
35	Invasive Mechanical Ventilator	12	12
36	Non Invasive mechanical ventilator (Maybe shared with TB and CD)	8	8
37	Nebulizer	20	20



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38	Portable Suction Machine	2 with each ward, 2 for MICU, 2 for ICCU, 1 for casualty ward, 1 for OPD	Available
39	Infusion pumps	1 with each bed of MICU and ICCU plus 4 / unit	Available
40	Weighing scale	2/unit Plus 4 in OPD	Available
41	<i>Multimedia Projector with Screen</i>	3	3
42	Patient Examination table	10	10
43	Rubber Hammer	14	14
44	Computer	1/unit, 1/MICU, 1/ICCU,	Available
		1/OPD	Available
45	Torch	50	50
46	Emergency Lights	12	12
47	Upper GI endoscope (Optional)	5	5
48	Sigmoidoscope (optional)	5	5
49	Colonoscope (optional)	5	5
50	*Haemocytometer	7	7
51	*Light Microscope	5	5
52	*Haemoglobinometer	7	7
53	*Urinometer	5	5
54	Patient Examination Table	40	40



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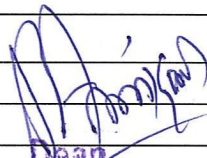
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## Department of Pediatrics: -


### List of Equipment

S.N	Name	Required	Available
<b>(A)</b>	<b>Resuscitation equipment:</b>		
1	Ambu bag and Face mask - Neonate & infant	6	6
2	Ambu bag & Face mask – Children	6	6
3	Nasal prongs	As required	Available
4	Nasal catheters	As required	Available
5	Endotracheal tubes	As required	Available
6	Suction apparatus	6	6
7	Suction catheters	As required	Available
8	Laryngoscope - Infant	4	4
9	Laryngoscope - Children	4	4
<b>(B)</b>	<b>Oxygen Delivery System-</b>		
10	Oxygen Cylinder	8	8
11	Oxygen regulator	8	8
12	Oxygen Humidifiers	8	8
13	Oxygen head-box (of each size)	1	1
14	Nebulizers	8	8
<b>(C)</b>	<b>Drug Delivery Equipment/ Catheter/tube-</b>		
15	Blood Transfusion Set	4	4
16	Intra-venous (I.V.) Drip set	As required	Available
17	Measure volume Set	As required	Available
18	Intra-venous (I.V.) Cannula (Butterfly type)	As required	Available
19	Intracath (different sizes)	As required	Available
20	Umbilical vein Catheter	8	8
21	Infant Feeding tubes	As required	Available
22	Three way and four way valve	4	4
<b>(D)</b>	<b>Measurement Equipment</b>		
	<b>Digital Weighing machine</b>		
23	Infant	4	4
24	Child	4	4
25	Neonates	4	4
26	Infantometer	6	6
27	Stadiometer	6	6
28	Measuring tape	As required	Available
29	Shakir's tape	As required	Available
30	Digital Thermometer-Oral *(Mercury based instruments to be replaced with other alternatives)	As required	Available
31	BP measuring Instrument with various cuff sizes - Digital (Only Non mercury alternatives to be used)	8	8
<b>(E)</b>	<b>Work Lab and Investigations:</b>		
32	Bone marrow needle	6	6
33	Lumbar Puncture (L.P.) Needles	6	6
34	Pleural aspiration needle	6	6
35	Vim-Silverman liver biopsy needle	4	4

  
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36	True Cut Renal biopsy needle	4	4
37	X-ray view box	10	10
<b>(F)</b>	<b>Miscellaneous</b>		
38	Glucometer	4	4
39	Pulse Oximeter	8	8
40	CPAP machine*	4	4
41	Mechanical Ventilator (neonatal and child)	3+3	Available
42	Radiant Warmer	8	8
43	Phototherapy unit	8	8
44	Ophthalmoscope	4	4
45	Pleural Fluid Collection Bag	As required	Available
46	Urine Collection Bag	As required	Available
47	LED phototherapy unit	4	4
48	Multimedia Projector with Screen	1	1
49	Laptop	1	1




  
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**Department of Respiratory Medicine: -  
List of Equipment**

S.N	Name	Required	Available
1	Peak flow meters	8	8
2	Nebulizers	8	8
3	Intercostal Drainage Facility	6	6
4	Pleural Biopsy Needles	4	4
5	Pulse Oximeter	8	8
6	Fiber optic Bronchoscope	2	2
7	Rigid Bronchoscope	1	1
8	Pulmonary function Test machine with facility for spirometry, lung volume and diffusion capacity	1	1
9	BP Instrument (Mercury based instruments to be replaced with suitable alternatives)	10	10
10	Weighing Scale	2	2
11	Non Invasive Mechanical Ventilator	10	10
12	Height Scale	4	4
13	Multimedia Projector with Screen	1	1



  
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**Department of DVL: -**

**List of Equipment**

S.N	Name	Required	Available
1	Hyfrecator/ Electrosurgical instrument	1	1
2	Cryotherapy with liquid Nitrogen	1	1
3	Iontophoresis machine	1	1
	<b>Facilities for examining smears for bacteria, fungi, mycobacteria and acantholytic cells</b>		
4	(a) Light microscope	2	2
5	(b) Giemsa stain	As required	Available
6	(c) KOH smear	As required	Available
7	Wood's lamp	1	1
8	Multimedia Projector with Screen	1	1



  
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**Department of Psychiatry: -  
List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>General</b>		
1	Electro Convulsive Therapy (E.C.T.) machine preferably with ECG & EEG monitoring	4	4
2	EEG Machine (may be shared with medicine department)	2	2
3	ECT machine without monitor	3	3
4	EEG machine (may be shared with medicine/neurology department)	1	1
5	Lithium analyzer (may be shared with clinical pathology department)	1	1
6	Bio feed-back instruments (sets)	1	1
7	Thin layer chromatography (for drug dependence treatment) (may be shared with other departments or in Central Research lab)	1	1
8	Alcohol breath analyzer	1	1
<b>(B)</b>	<b>Psychological Tests equipment</b>		
9	a) Projective tests	5	5
10	b) Intelligence Tests	5	5
11	c) Personality Tests	5	5
12	d) Neuro psychological tests	5	5
13	Multi media Projector with Screen	1	1





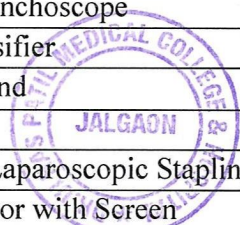
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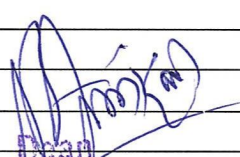
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**Department of General Surgery: -**

**List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>OPD</b>		
1	Digital/Electronic BP Apparatus, Weighing Machine, Stethoscope, Height scale	6 each	Available
2	X ray viewing box 4 in 1	6	6
3	Proctoscope	10	10
<b>(B)</b>	<b>Minor O.T.</b>		
4	Operation Theatre Table	2	2
5	Operation Theatre Ceiling light	2	2
6	Pedestal lights	4	4
7	Electro-surgical cautery unit	4	4
8	Suction	4	4
9	Pulse oximeter	2	2
10	Anesthesia Equipment	1 set	Available
11	Resuscitation kit	1	1
12	Assorted surgical instrument for minor operation sets	12	12
13	Autoclave	1	1
<b>(C)</b>	<b>Wards</b>		
14	Digital/Electronic BP Apparatus, Stethoscope	32 each	Available
15	Weighing Machine, Height scale	16 each	Available
16	Proctoscope	16	16
17	Non invasive Multi Para Monitors	8	8
18	ECG machines	8	8
<b>(D)</b>	<b>Operation Theatre</b>		
19	CC Camera for Student demonstration for OT	11	11
20	Operation Theatre Table	11	11
21	Operation Theatre Ceiling light	11	11
22	Pedestal lights	11	11
23	Electro-surgical cautery unit	16	16
24	Suction machine	11	11
25	Pulse oximeter	11	11
26	Anesthesia Equipment(as per requirement of Dept)	11 sets	Available
27	General Sets including open Urological surgery (4 for each Operation Theatre)	44	44
28	Pediatric surgical instrument set	2	2
29	Burr hole set with electric craniotome	2	2
30	Vascular set	2	2
31	Diagnostic and Operative laparoscope including one High Definition with all accessories and hand instruments.	3	3
32	Cystoscope&Resectoscope	1	1
33	Flexible Video Colonoscope	1	1
34	Flexible Video Side viewing Gastroduodenoscope for ERCP	1	1
35	Flexible Video End viewing Oesophago-Gastroduodenoscope	1	1
36	Flexible Video Sigmoidoscope	1	1
37	Flexible Video Bronchoscope	1	1
38	C-arm image intensifier	1	1
39	Operative ultrasound	1	1
40	Harmonic Scalpel	3	3
41	Assorted Open & Laparoscopic Stapling devices	3 sets	Available
42	Multimedia Projector with Screen	3	3



  
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**Department of Orthopedics: -  
List of Equipment**

S.N	Name	Required	Available
1	General instrumentation set for fracture reduction	10 sets	Available
2	Set for Hip Replacement	1	1
3	Set for knee replacement	1	1
4	Interlock nailing sets	2 each	Available
5	Specific fixation sets (Proximal Humerus, Distal humerus, Intertrochanter, proximal and distal tibia, pelvic fixation, pedicle screw, lateral mass screw and ACDF for cervical spine)	2	2
6	Small Fragment and large fragment	5	5
7	External Fixator	10	10
8	Fracture reduction OT tables	2	2
9	Simple OT tables	2	2
10	Cautery machines	2	2
11	Pneumatic drill and reamer	1	1
12	Electrical drill and reamer set	2	2
13	Laminar airflow system in OT (for OT - where joint replacement surgeries are carried out)	As mentioned	Available
14	C-Arm (Image Intensifier)	2	2
15	Portable X-ray Machine	1	1
16	Arthroscope	2	2
17	Multimedia Projector	1	1
18	Plaster room equipment (sets) with plastic table.	2	2
19	Physiotherapy and occupational Therapy equipment sets	As required	Available
20	Movie Camera for demonstration of live operations	1	1
	<b>The OPD should have –</b>		
21	Plaster tables	2	2
22	Electric plaster cutter	4	4
23	Reflex hammer	10	10
24	Measure tape	20	20
25	Goniometer	10	10

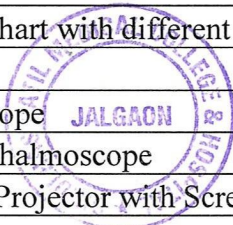


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**Department of Ophthalmology: -  
List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>O.P.D.</b>		
1	Snellen Chart/Snellen drum with or without remote control	6	6
2	Trial set with trial frame both for adult and children	6	6
3	Automated Perimeter	2	2
4	Color vision chart –Original Ishihara	4	4
5	Near vision chart with different languages	6	6
6	Torch	As required	Available
7	Ophthalmoscope (Direct)	6	6
8	Streak Retinoscope	6	6
9	Indirect Ophthalmoscope	4	4
10	Slit lamp	4	4
11	Applanation tonometer	4	4
12	Keratometer	2	2
13	Synoptophore	1	1
14	Maddox Rod	1	1
15	Maddox Wing	2	2
16	Diplopia goggles	2	2
17	Gonioscope	3	3
18	Placido disc	2	2
19	Prism Bar	2	2
20	Schiotz's tonometer	4	4
<b>(B)</b>	<b>Major Operation Theatre</b>		
21	Operating microscope with TV Unit with camera	2	2
22	Cryo Unit	2	2
23	Cataract set	10	10
24	Glaucoma set	4	4
25	DCT/ DCRR set	3	3
26	Entropion set	4	4
27	Enucleation set	6	6
28	Evisceration set	2	2
29	Squint set	4	4
<b>(C)</b>	<b>General Ophthalmic Equipment</b>		
30	Operation Theatre Table	3	3
31	Operation Theatre Light	3	3
<b>(C)</b>	<b>Minor Operation Theatre:</b> Minor O.T. should have the equipment for the removal of the foreign body, sutures, and chalazion or sty. e.		
<b>(D)</b>	<b>Wards:</b>		
32	Slit lamp	2	2
33	Snellen chart/Snellen drum with or without remote control	2	2
34	Trial set with trial frame both for adult and children	2	2
35	Near vision chart with different languages	2	2
36	Torch	As required	Available
37	Ophthalmoscope	2	2
38	Indirect Ophthalmoscope	2	2
39	Multi media Projector with Screen	1	1

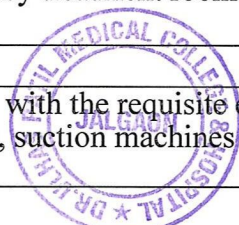


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**Department of Oto-rhino-laryngology: -  
List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>OPD</b>		
1	Sterilizer	1	1
2	Cidex instrument sterilization tray	2	2
3	Digital /Electronic BP Apparatus	1	1
4	Stethoscope	2	2
	<b>X-ray view box in all OPD rooms 5 sets each consisting of :</b>		
5	Thudicum/St.Clair Thomson Nasal Speculum different sizes	4	4
6	Lac's Tongue depressor different sizes	4	4
7	Laryngeal mirrors different sizes	4	4
8	Nasopharyngeal mirrors different sizes	4	4
9	Aural speculum different sizes	4	4
10	Ear Suction different sizes	2	2
11	Nasal Suction different sizes	2	2
12	Suction apparatus	1	1
13	Siegel's speculum	1	1
14	Tuning fork (512 Hz)	1	1
15	Tuning fork (256 Hz)	1	1
16	Tuning fork (1024 Hz)	1	1
17	Otoscope with halogen bulb, rechargeable battery and Siegle attachment	1	1
18	Bayonet forceps	2	2
19	Bulls lamp	1	1
20	Head Mirror	1	1
21	Head Light With LED/Halogen lamp	1	1
22	Jobson Horne probe	2	2
23	Instrument tray	1	1
24	Kidney tray	2	2
25	The OPDs should have Otoendoscope, Nasalendoscope, Laryngeal telescope with camera, monitor and light source for teaching purposes (1 Unit of the above may be placed either in Minor OT or Endoscopy room or in the OPD in the Consultant Chamber)	As mentioned	Available
26	Optional- One treatment unit may be placed in the Consultant Chamber in the OPD which will facilitate and replace the instruments required in that room for examination purposes and help in teaching clinical skills.	As mentioned	Available
<b>(B)</b>	<b>Ward</b>		
27	Four sets consisting of the instruments required in the OPD should be kept in the ward for teaching purposes and for examination time.	As mentioned	Available
28	One mobile spotlight, One Tracheostomy set should be placed in the ward.	As mentioned	Available
29	The ward side room/emergency treatment room should have a mobile spotlight.	As mentioned	Available
<b>(C)</b>	<b>Major Operation Theatre.</b>		
	The OTs should be equipped with the requisite equipment for anesthesia, cautery machines, suction machines and general operative sets.		



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	<b>(a) Tonsillectomy and adenoidectomy set - 2 sets, each consisting of</b>		
30	Biopod	1	1
31	Boyle-Davis mouth gag with difference size blades	1	1
32	Tonsil holding forceps	1	1
33	Tonsil dissector and pillar retractor	1	1
34	Waugh's tenaculum forceps: plain and tooth	2	2
35	Tonsil snare	1	1
36	Burkit artery forceps	1	1
37	Wilson's double curved artery forceps	1	1
38	Negus artery forceps	1	1
39	Tonsil scissors	1	1
40	Adenotome	1 (optional)	Available
41	Adenoid curette with and without cage	2	2
42	Yankaueroropharyngeal suction (disposable)	1	1
	<b>(b) Set for nasal bone fracture</b>		
43	Asch forceps	1	1
44	Walsham forceps	1	1
45	St.Vlair Thompson Nasal Speculum	1	1
46	Killian Long bladed Nasal speculum	1	1
	<b>(c) Septoplasty set</b>		
47	Nasal dressing forceps	1	1
48	Knife handle	1	1
49	Killian's nasal speculum	1	1
50	Freer elevator	1	1
51	Howarth elevator	1	1
52	Cottle elevator	1	1
53	Sickle knife	1	1
54	Ballenger's swivel knife	1 (optional)	Available
55	Luc tissue cutting forceps	1	1
56	Takahashi forceps	1	1
57	Fish tail (bayonet shape) gouge	2	2
58	Nasal mallet	1	1
	<b>(d) FESS set</b>		
59	Rigid nasal endoscope 0 degree, 4 mm and 2.7 mm size	1 each	Available
60	Rigid nasal endoscope 30 degree, 4 mm and 2.7 mm size	1 each	Available
61	Light source and light cable	1	1
62	Endoscopic Camera with suitable display with recording & archiving facility. (with High Definition Camera)	1	1
63	Sickle knife	1	1
64	Retrograde punch	1	1
65	Blakesley forceps – straight 1 and upturn	1	1
66	Nasal suction cannula different sizes	4	4
67	Double curved suction cannula different sizes	4	4
68	Sinus probe and curette	1	1
69	Lacrimal probes for endoscopic DCR (optional)	1	1
70	General Fess Instruments	1	1
	<b>(e) Direct laryngoscopy set</b>		
71	Anterior commissure laryngoscope for adult and pediatric sizes	2	2

72	Laryngoscope for adult and pediatric sizes	2	2
73	Negus laryngoscope	2 (optional)	Available
74	Light source	1	1
75	Light cable	1	1
76	Biopsy forceps	2	2
77	Foreign body removal forceps	2	2
78	Laryngeal suction	2	2
	<b>(g) Microlaryngoscopy set</b>		
79	Kleinsasser's laryngoscope	2	2
80	Fibreoptic lighting system	2	2
81	Suspension system for Laryngoscope	2	2
82	Microlaryngeal cup forceps	2	2
83	Microlaryngeal Scissors	2	2
	<b>(h) Tympanoplasty set</b>		
84	Graft knife	1	1
85	Graft scissors	1	1
86	Graft press	1	1
87	Aural speculum	4	4
88	Rosen first incision knife	1	1
89	Curette	2	2
90	Drum elevator	1	1
91	Blunt elevator	1	1
92	Sickle knife	1	1
93	Ball probe	1	1
94	Micro suction Cannula with thumb adaptor	4	4
95	Ear granulation forceps straight, up turn and side turn	3	3
96	Graft forceps	1	1
	<b>(i) Mastoidectomy set</b>		
97	Mallet	2 (optional)	Available
98	Gouge (different sizes)	4 (optional)	Available
99	Knife handle	1	1
100	Mosquito artery forceps	4	4
101	Cat's paw retractor	2	2
102	Endaural retractor/post aural retractor for right and left ear	2	2
103	Electric drill (motor, hand piece and burrs)	2 sets	Available
104	Mastoid seeker	2	2
105	Aditus seeker	2	2
106	Malleus head nipper	2	2
107	Suction cannula with adapter for thumb control	4	4
108	Ear granulation forceps straight, up turn and side turn	3	3
	<b>(j) Stapedectomy set</b>		
109	Pick-straight	2	2
110	70 Angled	2	2
111	Perforator	2	2
112	Measuring rod	2	2
113	Prosthesis crimper	2	2
	<b>(k) Oesophagoscopy set</b>		
114	Oesophagoscopes sizes for different age group	3	3
115	Light source and cable	1	1
116	Biopsy forceps	3	3

117	Foreign body removal forceps	3	3
118	Suction cannula	3	3
119	Oesophageal dilators	1 set	Available
	<b>(l) Bronchoscopy set</b>		
120	Bronchoscopes different sizes for different age groups	3	3
121	Light source and cable	1	1
122	Biopsy forceps	3	3
123	Foreign body removal forceps	3	3
124	Peanut forceps	3	3
125	Suction cannula	3	3
	<b>(m) Tracheostomy set</b>		
126	Needle holder	1	1
127	Bard Parker knife handle	1	1
128	Ribbon right angled retractors	2	2
129	Curved arteries	4	4
130	Straight arteries	1	1
131	Cricoid hook	1	1
132	Tracheal dilator	1	1
	<b>(n) Excision Biopsy Set</b>		
133	Doyen mouth gag	1	1
134	Jenin's mouth gag	1	1
135	Knife handle	2	2
136	Adson's tissue holding forceps toothed	2	2
137	Adson's tissue holding forceps plain	2	2
138	Mayo scissors different sizes	3	3
139	Mosquito curved artery forceps	6	6
140	Curved artery forceps	6	6
141	Ellis tissue forceps	4	4
142	Babcock tissue forceps	2	2
143	Cat's paw retractors	2	2
144	Right angle retractors	2	2
145	Skin hook single	2	2
146	Skin hooks double	2	2
147	Needle holder different sizes	3	3
148	Thread cutting scissors	1	1
	<b>Minor Operation Theatre</b>		
	<b>(a) Direct laryngoscope set</b>		
149	Laryngoscope – Anterior Commissure	1	1
150	Negus	1	1
151	Lighting system	1	1
152	Biopsy forceps	1	1
153	Foreign body removal forceps	1	1
	<b>(b) Micro ear examination set</b>	2	2
154	Aural speculum	4	4
155	Suction cannula	4	4
156	Aural cup forceps	2	2
	<b>(c) Nasal packing set</b>	2	2
157	St Clair Thompson nasal speculum different sizes	4	4
158	Nasal packing forceps	1	1

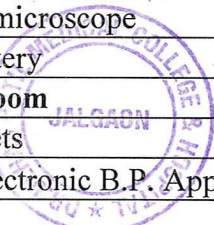
159	Nasal suction cannula	4	4
	<b>(d) Nasal endoscopy trolley with 0 degree &amp; 30 degree 4mm endoscope with light source, cable , monitor &amp; camera</b>	1	1
	<b>(e) Others</b>		
160	Higginson syringe	2	2
161	Sterilizer	As required	Available
162	Aural Syringe	As required	Available
163	Tracheostomy set	As required	Available
164	Intubation set	As required	Available
165	Bowls, kidney treys, towel clips, sponge holding forceps and Cheatle forceps	As required	Available
<b>(E)</b>	<b>Miscellaneous Equipment</b>		
166	Operating microscope for major Operation Theatre ( with camera attachment & monitor for teaching and recording )	1	1
167	Electrocautery Unit	1	1
168	Spot Mobile Light	1	1
169	Basic OT table	1	1
170	Operating microscope for minor Operation Theatre	1	1
171	Puretone audiometer	As required	Available
172	Brainstem evoked response audiometer with ASSR	As required	Available
173	OAE Impedance audiometer (With sound treated air-conditioned room for audiometry)	As required	Available
174	Multimedia Projector with Screen	1	1
	<b>Teaching models/simulators as a part of the college CAL lab to teach clinical skills and procedure to the students must be available</b>		
<b>(F)</b>	<b>Additional Equipment</b>		
175	Flexible nasopharyngolaryngoscope	1	1
176	Electronystagmograph(Optional)	1	1
177	Brainstem evoked response audiometer	1	1
178	Goggles, plastic apron, gloves for examination of patients with biohazard (HIV & AU +ve)	As required	Available



  
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S.N	Name	Required	Available
<b>(A)</b>	<b>General</b>		
1	Speculums and retractors	150	150
2	EA + ECC sets	20	20
3	Cytology bottle	10	10
4	Microscope	2	2
5	MR Syringes	8	8
6	Colposcope	1	1
7	Cryo/electro cautery apparatus	2	2
8	Simple fetal Doppler	3	3
9	NST machine	3	3
10	Stitch removal sets	10	10
11	Dressing sets	12	12
12	Ultrasound machine	2	2
13	Weighing machine	3	3
14	Height scale	2	2
15	View box	1	1
16	Digital/ Electronic Blood Pressure apparatus, measuring tapes, gloves, syringes, needles, torch	7	7
17	Resuscitation tray (Laryngoscope, ET tube, Ambu bag, suction catheter)	3	3
18	Suction machine	3	3
19	Hysterosalphigogram Cannula	3	3
20	PCT forceps	7	7
21	Ayer's spatula	45	45
<b>(B)</b>	<b>Main Operation Theatre</b>		
22	Abdominal Hysterectomy set (Artery forceps, scissors, scalpel, Allis's kelly's clamp, Babcock forceps, thumb forceps, Harington & Richardson retractors.)	4	4
23	Vaginal Hysterectomy set	3	3
24	Scalpel, scissors, metal catheter, Sim's, Speculum volsellum, Kelly's clamps, right angle retractor, arteries, Allis, uterine sound, bladder sound.	3	3
25	Tuboplasty set	2	2
26	Myomectomy instruments (Myoma screw, Boney's clamp)	1	1
27	Diagnostic laparoscopy set	1	1
28	Operating laparoscopy set including one with HD with all accessories & hand instruments.	2	2
29	Laparocator for tubal ligation	1	1
30	Operative Hysteroscopy set	1	1
31	Electronic Carbondioxideinsuffator/ Insuffator basic unit	2	2
32	Resectoscope	1	1
33	Hysteromat	1	1
34	Operative microscope	1	1
35	Electrocautery	3	3
<b>(C)</b>	<b>Labour Room</b>		
36	Delivery sets	25	25
37	Digital/ Electronic B.P. Apparatus	4	4



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38	Weighing machine	2	2
39	Fetal Doppler	2	2
40	Cardiotocogram machine	3	3
41	Portable ultrasound	1	1
42	High suction machine	3	3
43	Resuscitation tray	2	2
<b>(D)</b>	<b>Special Equipment</b>		
44	Oxytocin infusion pumps	3	3
45	Multichannel monitors	4	4
<b>(E)</b>	<b>Teaching Set</b>		
46	Doll and Dummy	2	2
47	Female Pelvis	2	2
48	Gross specimens	15	15
49	X-ray/US films	8	8
50	View box	1	1
51	Multimedia Projector with Screen	2	2
52	Set of instruments for teaching purpose	1	1
<b>(F)</b>	<b>Minor Operation Theatre</b>		
53	Cervical biopsy set	3	3
54	MTP set	3	3
55	D&C set	4	4
56	IUCD insertion/removal set	7	7
57	High suction machine	2	2
58	Resuscitation tray	1	1
59	E.B. set	4	4
60	Operation Theatre table, Operation Theatre lights, Central O2 and suction	As required	Available
<b>(G)</b>	<b>Maternity Operation Theatre</b>		
61	Set for LSCS	15	15
62	D&C set	4	4
63	MTP set	4	4
64	High suction machine	2	2
65	Cervical exploration set	3	3
66	Uterine packing forceps	4	4
67	Abdominal hysterectomy set	2	2
68	Diagnostic laparoscopy set	1	1
69	Postpartum ligation	2	2
70	Outlet forceps	2	2
71	Low mid cavity forceps/Keilland forceps	1	1
72	Vacuum Extractor and suction machine	2	2
73	Resuscitation tray	2	2
74	Infusion Pump	2	2
75	EB set	3	3
76	Laparocator for tubal ligation	1	1
77	Operation Theatre table, Operation Theatre lights, Central O2 and suction	As required	Available
<b>(H)</b>	<b>Wards</b>		
78	Blood Pressure Apparatus (Digital/Electronic)	5	5
79	Weighing machine	2	2
80	Height scale	2	2
81	Speculum and retractors	50	50
82	Glucometer	2	2

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83	Microscope	2	2
84	Suture removal sets	10	10
85	Dressing sets	10	10
86	Ultrasound	1	1
87	Cutdown sets	1	1
88	CTG machine	2	2
89	Suction machine	2	2
90	Resuscitation tray	3	3
91	X ray View box	1	1
92	Central O2 and suction	As required	Available
<b>(I)</b>	<b>Special Equipment</b>		
93	Ultrasound machine with Doppler/Vaginal probe/facilities for Interventional procedure	1	1
94	Oxytocin infusion pumps	3	3
95	Multichannel Monitor with ECG, BP, HR, Pulse oximeter for high risk pregnant patients (eclampsia, heart diseases etc.)	4	4
96	Fetal Monitor for Antepartum Surveillance	3	3
97	Multimedia Projector with Screen	3	3

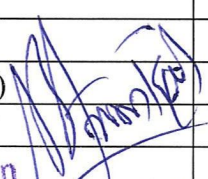


  
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**Department of Anesthesia: -  
List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>OPD Anesthesia Clinic</b>		
1	Patient examination table	3	3
2	Blood Pressure Instrument (Non-invasive)	3	3
3	Height Measurement Scale	3	3
4	Weighing machine	3	3
<b>(B)</b>	<b>Operation Theatre</b>		
5	Anesthesia machine and accessories like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps,	One set for each operation table	Available
6	Multipara monitor- with P, NIBP, ECG facility, SpO2	One set for each operation table	Available
7	Electrical Suction apparatus	One set for each operation table	Available
8	LMA / PLMA of all sizes	One set for each operation table	Available
9	Spinal epidural set	One set for each operation table	Available
10	EtCO2 monitor	One for 5 operation tables	Available
11	Defibrillator	One for 5 operation tables	Available
12	Mechanical ventilator Separate or with anesthesia machine	One for 5 operation tables	Available
13	Fibre optic bronchoscope	1	1
14	USG machine (Desirable)	1	1
15	PNS (Desirable)	1	1
16	Resuscitation equipment (CPR)- Ambu bag with face mask	3 sets	Available
17	a) Adult Manikin	3	3
18	b) Pediatric Manikin	3	3
19	Multimedia Projector with screen	2	2
20	Computer with Printer & Scanner	2	2
21	Photocopier	1	1
22	High definition TV	1	1
<b>(C)</b>	<b>Postoperative Recovery Room</b>		
23	Oxygen therapy unit	10	10
24	Blood Pressure Monitor (digital/Electronic)	10	10
25	Pulse oximeter	10	10
26	E.C.G. Monitor	10	10
27	Suction Machine	10	10
28	Provision for resuscitation equipment and CPR Algorithms	1	1
29	Airway crash cart	1	1
30	ABG machine (Optional)	1	1
31	Side lab for emergency investigations (Optional)	1	1
32	TOF monitor (PNS) (Optional)	1	1
<b>(D)</b>	<b>Pain Clinic</b>		
33	Radio frequency ablation machine	3	3

  
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34	Fluoroscopy machine (e-ARM)(may be shared with other department)	2	2
35	Ultrasound machine	2	2
36	Patients controlled analgesia system (portable)	3	3
37	Styleted Epidural catheter	15	15
38	Rac's catheters	As required	Available
39	Intrathecal infusion pumps	As required	Available
40	Pain assessment chart	5	5
41	OT Table fluoroscopy compatible	3	3
42	Nerve locator	1	1
43	Computer	3	3
44	Anodyne Machine (Optional) (For diabetic foot care)	3	3
45	Transcutaneous Electric Nerve Stimulating Machine (optional)	3	3
46	Anesthetic machine with resuscitation equipment	3	3
47	Crash cart	3	3
48	Monitors for vital signs (NIBP, P.R, ECG, SPO2, Temperature, R.R)	3	3
49	Nerve stimulator	3	3
50	18 G epidural needle	5	5
51	Multimedia Projector with screen	1	1




  
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**Department of Radio-Diagnosis: -  
List of Equipment**

S.N	Name	Required	Available
(A)	<b>General</b>		
1	Conventional X-ray Unit for routine X ray 300 mA, 500mA, 800mA (with IITV) - 1 each	2 Each Total 6	Available
2	CR system	3	3
3.	DR System	1	1
(B)	<b>Mobile X-ray units</b>		
3	a) 60 mA	6	6
4	b) 100mA	3	3
5	Ultrasonography equipment and color Doppler (Additional unit independently for OBGY).	6	6
6	CT (16 slice).	1	1
7	Mammography (Preferably).	1	1
8	MRI (Preferably).	1	1
9	Multimedia Projector with Screen	1	1




  
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**Department of Radio-Diagnosis: -  
List of Equipment**

S.N	Name	Required	Available
1	Static X-ray units (Direct digital/CR)	As per annexures I-IV	Available
2	Fluroscopy facilities	Available	Available
3	Mobile X-ray units > 60mA	As per annexures I-IV	Available
4	Ultrasonography equipment with color doppler	As per annexures I-IV	Available
5	CT scan machine (> 16 slice)	1	1
6	MRI (desirable for annual intake of 150 or less; mandatory for annual intakes of 200 and above)	1	1

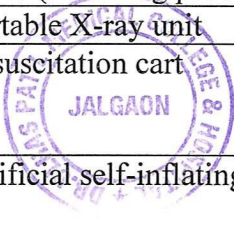


  
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**Department of Emergency Medicine: -  
List of Equipment**


S.N	Name	Required	Available
1	ICU beds (should have facilities for propping up the patient along with railings and wheels)	6	6
2	Emergency trolley-cum-beds (Should have facilities for propping up the patient along with railings and wheels)	24	24
3	Central oxygen and suction points	All beds/bed-cum trolleys	Available
4	Cardiac monitors (with EtCO <sub>2</sub> facility) with appropriate accessories for all age groups- including neonates, infants, children, adolescents and adults	For all ICU and "Red" beds	Available
5	Cardiac monitors (for NIBP, Oxygen saturation and heart rate): (atleast 2 should have additional pulse oximeter probes and Blood pressure cuffs for neonates, infants, children and adolescents)	For all "Yellow" beds	Available
6	Pulse oximeter with probes for all age groups including neonates, infants, children and adolescents	2	2
7	Defibrillator with external pacer (with additional attachments/ paddles for pediatric age group)	One for ICU and one for "Red" area	Available
8	ECG machine (12 lead)	2	2
9	ICU ventilators (should be universal ventilators with facility to ventilate neonates and children also)	For each ICU and "Red" area beds	Available
10	Transport ventilators (with facility of deliver tidal volume as low as 50 mL and have pressure control mode)	2	2
11	HHHFNC (heated humidified high-flow nasal cannula) with circuits and interfaces for all age groups (neonates, infants, children, adolescents and adults)	2	2
12	Trolleys/Fowler beds	As per total number of beds/trolleys plus additional trolleys for receiving patients (10% of total patient attendance in Emergency Medicine)	Available
13	Infusion pumps	2 per ICU bed and "Red" beds; one per "Yellow" bed	Available
14	Portable ultrasound with multiple probes including ECHO probe (including probes for pediatric/ infant evaluation)	2	2
15	Portable X-ray unit	1	1
16	Resuscitation cart	One for ICU and one for the "Red" area	Available
17	Artificial self-inflating breathing bag	Four sets(adult, pediatric,	Available



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		infant and neonatal) with Face masks – Of all sizes	
18	Laryngoscope with all sized blades(straight and curved) including sizes for neonates, infants and children	Four sets	Available
19	Point-of-care laboratory for quantitative estimation of cardiac enzymes, ABG and electrolytes	Atleast one	Available
20	Oxygen cylinders	4	4
21	Portable suction machines	4	4
22	Ultrasonic nebulizers	4	4
23	Spine boards with slings and scotch tape of all sizes	2	2
24	Splints for all types of fractures	As required	Available
25	Basic equipment for suturing and wound care	As required	Available
26	Glucometer	2	2
27	ACLS, BLS and Airways mannequins (child and adult)	01 each	Available
28	Suturing mannequin	1	1
29	Infant radiant warmer with bassinet	2	2
30	Blood and Fluid warmer	1	1
31	Electric Warming blanket	1	1
32	Rapid autoclave machine	1	1
33	Labor cot	1	1



  
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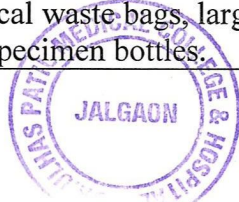


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**Department of Central Casualty: -  
List of Equipment**

S.N	Name	Required	Available
	There shall be a Central Casualty department wherein consultancy services shall be provided by the faculty of relevant Departments. And relevant investigation facilities to be run in liaison with central laboratory.		
1	Casualty resuscitation room should have central piped Oxygen supply & suction on every bed.	As required	Available
2	Ventilators, Multipara monitors, ECG machines, Nebulizers.	4 each	Available
3	Fully equipped disaster trolleys (emergency trolleys).	4	4
4	Emergency X-ray (Fixed 300/500mA & Mobile 100mA )	1 each	Available
5	Sonography machine/s in the casualty	2	2
6	Plaster room	1	1
	<b>Operation theatre shall be provided. These shall be equipped for emergency operative treatment and include the following:</b>		
7	Operation Theatre Table	1	1
8	Operation Theatre Ceiling light	1	1
9	Pedestal lights	2	2
10	Electro-surgical cautery unit	2	2
11	Suction	2	2
12	Pulse oximeter	2	2
13	Anesthesia Equipment	1 set	Available
14	Resuscitation kit	1	1
15	Assorted surgical instrument sets	5	5
16	Autoclave	1	1
17	OT should have resuscitation equipment like Anesthesia machine and accessories like laryngoscope, all size endotracheal tubes, nasal and oral airways, Magill's forceps ,Mechanical ventilator Separate or with anesthesia machine, LMA / PLMA of all sizes, Electrical suction apparatus		
	<b>Required equipment on Each Emergency Trolley</b>		
(A)	<b>Airway:</b>		
18	Pocket mask with oxygen port	As required	Available
19	Digital Blood Pressure apparatus	As required	Available
20	Ambu bag and tubing (ideally, the resuscitation bag should be single use – if not, it should be equipped with a suitable filter)	As required	Available
21	Clear face masks, sizes 3, 4 and 5	As required	Available
22	Oropharyngeal airways, sizes 2, 3 and 4	As required	Available
23	Nasopharyngeal airways, sizes 6 and 7	As required	Available
24	Portable suction equipment	As required	Available
25	Yankauer suckers	As required	Available
26	Tracheal suction catheters, sizes 12 and 14	As required	Available
27	Laryngeal mask airways (sizes 4 and 5), or ProSeal LMAs (sizes 4 and 5)	As required	Available
28	Magill forceps	As required	Available
29	Tracheal tubes – oral, cuffed, sizes 6, 7 and 8	As required	Available
30	Gum elastic bougie or equivalent device	As required	Available

31	Lubricating jelly	As required	Available
32	Laryngoscope handles (x 2) and blades (standard and long blades)	As required	Available
33	Spare batteries for laryngoscope and spare bulbs (if applicable)	As required	Available
34	Fixation for tracheal tube (such as ribbon gauze or tape)	As required	Available
35	Scissors	As required	Available
36	Selection of syringes	As required	Available
37	Oxygen mask with reservoir (non-rebreathing) bag	As required	Available
38	Oxygen cylinders	As required	Available
39	Oxygen cylinder key.	As required	Available
<b>(B)</b>	<b>Circulation:</b>	As required	Available
40	Defibrillator	As required	Available
41	ECG electrodes	As required	Available
42	Defibrillation gel pads or self-adhesive defibrillator pads (preferred)	As required	Available
43	Selection of intravenous cannulae	As required	Available
44	Selection of syringes and needles	As required	Available
45	Cannula fixing dressings and tapes	As required	Available
46	Seldinger central venous catheter kit	As required	Available
47	Intravenous volumetric infusion sets	As required	Available
48	0.9% sodium chloride - 1000 mL x 2	As required	Available
49	Arterial blood gas syringes	As required	Available
50	Tourniquet.	As required	Available
<b>(C)</b>	<b>Drugs:</b>	As required	Available
51	Immediately available pre-filled syringes:	As required	Available
52	Adrenaline (epinephrine) 1 mg (1:10,000) x 4	As required	Available
53	Atropine 3 mg x 1.	As required	Available
54	Hydrocortisone 100mg x 1	As required	Available
<b>(D)</b>	<b>Other readily available drugs: Intravenous medications:</b>	As required	Available
55	Adenosine 6 mg x 10	As required	Available
56	Adrenaline 1 mg (1:10 000) x 4	As required	Available
57	Adrenaline 1 mg (1:1 000) x 2	As required	Available
58	Amiodarone 300 mg x 1	As required	Available
59	Calcium chloride 10 mL of 100mg per mL x 1	As required	Available
60	Chlorphenamine 10 mg x 2	As required	Available
61	Furosemide 50 mg x 2	As required	Available
62	Glucose 10% 500 mL x 1	As required	Available
63	Lidocaine 100 mg x 1	As required	Available
64	Magnesium sulphate 50% solution 2 g (4 mL) x 1	As required	Available
65	Midazolam 10 mg x 1	As required	Available
66	Normal saline 10 ml ampoules	As required	Available
67	Potassium chloride for injection	As required	Available
68	Sodium bicarbonate 8.4% - 50 mL x 1.	As required	Available
69	Other life saving drugs as required.	As required	Available
<b>(E)</b>	<b>Additional items:</b> Gloves, goggles and aprons, sharps container, clinical waste bags, large scissors, alcohol wipes, blood sample specimen bottles.	As required	Available



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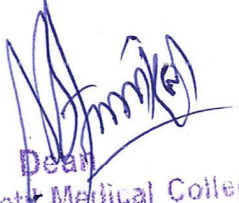
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**Department of Medical Education Unit: -**

**List of Equipment**

S.N	Name	Required	Available
1	Multimedia Projector	1	1
2	Projection Screen	1	1
3	Computer with printer and scanner	2	2
4	Video Camera	1	1
5	Television	1	1
6	Blackboard	2	2
7	Photocopier	1	1
8	Flip Charts with accessories	2	2
9	Soft Board	2	2
10	White Board with accessories	2	2
11	Laptop	1	1
12	Dedicated Internet facility		
13	Public Address system with wireless collar and hand microphones	1	1
14	Cupboards and display cabinets for books	As required	Available
15	Books and Journals	As required	Available



  
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**Department of Audio-Visual Aids: -**


**List of Equipment**

S.N	Name	Required	Available
<b>(A)</b>	<b>ARTIST SECTION</b>		
1	Drawing Board (Big)	1	1
2	Drawing Board(Small)	1	1
3	Drawing instrument Box	1 set	Available
4	Plastic Transparent Set square 10"	1 pair	Available
5	Plastic Scale transparent 18'	1	1
6	Parallel ruler 18"	1	1
7	Proportional Compass.	1	1
8	Bowpen one for fine and one for thick line.	2	2
9	"T" scale 24" wooden	1	1
10	"T" scale 48" wooden	1	1
11	Frenet curves Plastic 1 set of 12	1 set	Available
12	Protractor Plastic Semiround 6" dia.	1	1
13	Drawing paper various sizes	24	24
14	Drawing paper	12	12
15	Water colour tubes	1 set	Available
16	Poster colours in different shades.	1 set	Available
17	Reeves Indian Black ink.	12	12
18	Sable hair brushes	1set	Available
19	Calligraphy and lettering nibs	1 set	Available
20	Clip holders.	6	6
21	Computer, printer, photocopier and scanner	1	1
<b>(B)</b>	<b>MODELLING SECTIONS AND PHOTOGRAPHY</b>		
22	Modeling Instrument box.	1	1
23	Saw for wood work.	1	1
24	Bandsaw	1	1
25	Plier	1	1
26	Plier Goldsmith.	1	1
27	Scissors ordinary	1	1
28	Scissors Goldsmith	1	1
29	Hammer	1	1
30	Mortar Iron.	1	1
31	Bucket Iron.	1	1
32	Chisel.	1	1
33	Drilling machine	1	1
34	Modelling clay	As required	Available
35	Clay of different types	As required	Available
36	Drawing Board with Stand	1	1
37	Soft stone powder.	As required	Available
38	Plaster of Paris	As required	Available
39	Gum.	As required	Available
40	Sand paper	As required	Available
41	Plasticine	As required	Available
42	Wires G.I. copper and wire netting.	As required	Available
43	Synthetic Enamel colours	As required	Available

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44	Oil colour brushes.	As required	Available
45	Projection Screen	1	1
46	Digital SLR Camera (Latest Model )	1	1
47	Video Camera (Latest Model )	1	1
48	Microprojector Dark room & developing equipment	1 set	Available



  
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