

Site	Dept.	No.	Description	Qty
JJ	Pediatric	P-1	Pulse Oxymeter	8
JJ	Pediatric	P-3	Suction unit	6
JJ	Pediatric	P-4	High pressure steam sterilizer	2
JJ	Pediatric	P-5	Room air conditions	3
JJ	Pediatric	P-6	Infusion pump	7
JJ	Pediatric	P-7	Baby & Pediatric stethoscope	20
JJ	Pediatric	P-8	Phototherapy unit	2
JJ	Pediatric	P-9	Infant automatic weighing scale	3
JJ	Pediatric	P-10	Bilirubin meter	3
JJ	Pediatric	P-11	Syringe pump	11
JJ	Pediatric	P-12	Infant ventilator	2
JJ	Pediatric	P-13	Laryngoscope	6
JJ	Pediatric	P-16	Mobile X-ray Unit	1
JJ	Pediatric	P-17	Neonatal monitor	5
JJ	Pediatric	P-18	Oxygen head box for infant	6
JJ	Pediatric	P-19	Air mattress	6
JJ	Pediatric	P-21	Apnea Alarm	6
JJ	Pediatric	P-22	Infant Warmer	6
JJ	Pediatric	P-23	Examination table	2
JJ	Pediatric	P-24	Instrument cabinet	4
JJ	Pediatric	P-25	Blood transfusion warmer	2
JJ	Pediatric	P-26	Pediatric ICU bed with cabinet	15
JJ	Pediatric	P-27	Treatment carriage	6
JJ	Pediatric	P-31	Refrigerator	1
JJ	Pediatric	P-34	Portable incubator	1
JJ	Pediatric	P-40	Manual resuscitation bag (Portable set )	3
JJ	Pediatric	P-42	Infant bassinet stand	8
JJ	Pediatric	P-45	Medicine cabinet	5
JJ	Pediatric	P-51	Wheel chair	1
JJ	Pediatric	P-52	Defibrillator(with Ped.paddle)	1
JJ	Pediatric	APE-2	Ultrasonic Nebulizer	4
JJ	Pediatric	APE-5	Arm rest for infusion	8
JJ	Pediatric	APE-7	IV stand	4
JJ	Pediatric	APE-9	CPAP unit	2
JJ	Pediatric	APE-10	Height & weight scale for infant	2
JJ	Pediatric	NPE-12	Emergency cart	1
JJ	Pediatric	CHD-1	Bedside Monitor	3
JJ	Pediatric	CHD-23	Emergency neonatal stretcher	2
JJ	Pediatric	CHD-32	Sphygmomanometer	5
JJ	Pediatric	CHD-42	ECG unit	2
JJ	Pediatric	CHD-44	Fiberscopic laryngoscope set	1
JJ	P/Surgery	PS-1	Bedside Monitor	7
JJ	P/Surgery	PS-2-1	Operating Table electric	1
JJ	P/Surgery	PS-2-2	Operating table	1
JJ	P/Surgery	PS-5	Anesthetic machine with ventilator	2
JJ	P/Surgery	PS-11	Paed. Laryngoscope set	1
JJ	P/Surgery	PS-16	Pulse Oxymeter	3

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Site	Dept.	No.	Description	Q'ty
JJ	P/Surgery	PS-18	Paed.Fiberscopic Laryngoscope	1
JJ	P/Surgery	PS-19	Sphygmomanometer with pard.cuff	5
JJ	P/Surgery	PS-20	Paed.General operating instrmt set	2
JJ	P/Surgery	PS-21	Paed.Tracheostomy instrument set	3
JJ	P/Surgery	PS-23	Suction unit	2
JJ	P/Surgery	PS-24	Eelectrosurgical unit	2
JJ	P/Surgery	PS-25	High pressure steam sterilizer	1
JJ	P/Surgery	PS-26	Paed.Vertical steam sterilizer	1
JJ	P/Surgery	PS-31	Paed.True cut biopsy needle set	10
JJ	P/Surgery	PS-38	Portable incubator	1
JJ	P/Surgery	PS-39	Phototherapy unit	1
JJ	P/Surgery	PS-40	Infant automatic weighing scale	1
JJ	P/Surgery	PS-44	Syringe pump	3
JJ	P/Surgery	PS-45	Infusion pump	3
JJ	P/Surgery	PS-46	Infant ventilator	1
JJ	P/Surgery	PS-47	Ultrasonic Nebulizer	2
JJ	P/Surgery	PS-50	Baby &Pediatic stethoscope	10
JJ	P/Surgery	PS-52	Infant nail scissors	10
JJ	P/Surgery	PS-55	Manual resuscitation bag (Portable set )	2
JJ	P/Surgery	PS-60	Continuous low pressure suction unit	1
JJ	P/Surgery	PS-61	Clinical thermometer Electric	10
JJ	P/Surgery	PS-67	Oxygen face mask	20
JJ	P/Surgery	PS-68	Nasal Oxygen Cannula	20
JJ	P/Surgery	PS-74	Paediatric cystoscope set	1
JJ	P/Surgery	PS-75	Percutaneous nephroscope set	1
JJ	P/Surgery	PS-78	Hemoglobinmeter	1
JJ	P/Surgery	PS-79	Infant Warmer	5
JJ	P/Surgery	PS-89	Oxygen head box for infant	4
JJ	P/Surgery	APS-3	Treatment carriage	1
JJ	P/Surgery	NPS-2	Emergency cart	2
JJ	P/Surgery	PII-17	Endotracheal set	3
JJ	P/Surgery	PII-19	Revolving chair	4
JJ	P/Surgery	PII-20	Instrument cabinet	1
JJ	AIDS Unit	A-1	Bedside Monitor	4
JJ	AIDS Unit	A-2	Central Monitor	1
JJ	AIDS Unit	A-3	Emergency bed with bedside cabinet	4
JJ	AIDS Unit	A-4	Infusion pump	4
JJ	AIDS Unit	A-9	High pressure steam sterilizer	1
JJ	AIDS Unit	A-21	Bronchoscope with biopsy forceps set&light source	1
JJ	AIDS Unit	A-23	Lecture scope for Bronchoscope	1
JJ	AIDS Unit	A-24	Endoscopy Table	1
JJ	AIDS Unit	A-49	Emergency cart	1
JJ	Medica Wards	M-1	Bedside Monitor	9
JJ	Medica Wards	M-3	ICU bed	12
JJ	Medica Wards	M-4	Apnea Alarm	1
JJ	Medica Wards	M-5	Ventilator	3

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Site	Dept.	No.	Description	Qty
JJ	Medica Wards	M-6	Infusion pump	12
JJ	Medica Wards	M-7	Ultrasonic Nebulizer	12
JJ	Medica Wards	M-9	ECG unit	2
JJ	Medica Wards	M-12	Syringe pump	12
JJ	Medica Wards	M-15	Height & weight scale for adult	2
JJ	Medica Wards	M-16	Wheel chair	12
JJ	Medica Wards	M-19	Air mattress	16
JJ	Medica Wards	M-24	Arm rest for infusion	20
JJ	Medica Wards	M-27	Emergency cart	6
JJ	Medica Wards	M-29	Suction unit	6
JJ	Medica Wards	M-31	CPR training doll adult	1
JJ	Biochemistry	B-1	Blood gas analyzer with electrolyte	2
JJ	Biochemistry	B-3	Water Distiller	2
JJ	Biochemistry	B-4	Electrophoresis apparatus with densitometer	1
JJ	Biochemistry	B-6	Ultrasonic cleaner	2
JJ	Biochemistry	B-8	Chemistry auto analyzer	1
JJ	Biochemistry	B-9	Analytical balance	2
JJ	Biochemistry	B-10	Autopipette variable volume	4
JJ	Biochemistry	B-11	Refrigerator	2
JJ	Biochemistry	B-12	Spectrophotometer	1
JJ	Biochemistry	B-13	Colorimeter(Photoelectric)	4
JJ	Biochemistry	B-14	pH meter	1
JJ	Biochemistry	B-18	Homoginizer	3
JJ	Biochemistry	B-20	Cyclomixer	1
JJ	Biochemistry	B-21	Water bath	1
JJ	Biochemistry	B-23	Mixer	1
JJ	Biochemistry	B-24	Magnetic stirrer	1
JJ	Biochemistry	B-25	Semi auto analyzer	1
JJ	Biochemistry	B-26	Centrifuge machine for 40 tubes	2
JJ	Biochemistry	NB-1	Coagulometer semi-automated	1
JJ	Biochemistry	NB-2	Urine analyzer	1
JJ	Biochemistry	NB-3	Blood cell counter	1
JJ	Neuro surgery	N-1	Fiberscopic laryngoscope set	1
JJ	Neuro surgery	N-2	Defibrillator(with Ped.paddle)	2
JJ	Neuro surgery	N-3	Blood transfusion warmer	2
JJ	Neuro surgery	N-4	Infusion warmer	5
JJ	Neuro surgery	N-5	ICU bed	10
JJ	Neuro surgery	N-7	Air mattress	5
JJ	Neuro surgery	N-9	Sliding stretcher	2
JJ	Neuro surgery	N-10	Emergency cart	4
JJ	Neuro surgery	N-12	Ventilator	1
JJ	Neuro surgery	N-13	Infusion pump	4
JJ	Neuro surgery		Ultrasonic Nebulizer	2
JJ	Neuro surgery	N-15	Infant ventilator	1
JJ	Neuro surgery	N-16	Neonatal monitor	1
JJ	Neuro surgery	N-18	Apnea Alarm	1
JJ	Neuro surgery	N-20	Suction unit	4
JJ	Neuro surgery	N-22	Eelectrosurgical unit	2
JJ	Neuro surgery	N-23	Operating light	2

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Site	Dept.	No.	Description	Q'ty
JJ	Neuro surgery	N-24	High pressure steam sterilizer	1
JJ	Neuro surgery	N-29	Micro-neuro surgery operating table	2
JJ	Neuro surgery	ANS-2	Microneurosurgery instrument set	3
JJ	Neuro surgery	ANS-3	Pneumatic bone drill	1
JJ	Neuro surgery	ANS-4	Surgical X-ray C-arm TV system with DSA	1
JJ	Physiotherapy	PH-1	Hyrdo bubbler bath	1
JJ	Physiotherapy	PH-3	Parraffin wax bath	1
JJ	Physiotherapy	PH-4	Shoulder wheel machine	1
JJ	Physiotherapy	PH-5	Rotary wrist machine	1
JJ	Physiotherapy	PH-6	Shoulder ladder	1
JJ	Physiotherapy	PH-7	Finger exerciser	1
JJ	Physiotherapy	PH-8	Bicycle exerciser	1
JJ	Physiotherapy	PH-11	Rowing machine	1
JJ	Physiotherapy	PH-12	Chest pulley	1
JJ	Physiotherapy	PH-14	Exercise stairs	1
JJ	Physiotherapy	PH-15	Galvanization & Faradization unit	1
JJ	Physiotherapy	PH-16	Interferential therapy unit	1
JJ	Physiotherapy	PH-17	Microwave therapy unit	1
JJ	Physiotherapy	PH-18	Ultrasound therapy unit	1
JJ	Physiotherapy	PH-20	Ultraviolet lamp	1
JJ	Physiotherapy	PH-21	Infrared ray lamp	1
JJ	Physiotherapy	PH-22	Electric traction pelvic type A&B	1
JJ	Physiotherapy	PH-23	Electric traction cervical	1
JJ	Physiotherapy	PH-26	Ergo treadmill	1
JJ	Physiotherapy	PH-27	Hand finger dynamometer	1
JJ	Physiotherapy	PH-28	Goniometer set	1
JJ	Physiotherapy	PH-30	Pinch meter	1
JJ	Physiotherapy	PH-31	Barrel crawl roll	1
JJ	Physiotherapy	AP-1	Short Wave Diathermy	1
JJ	OB/GY	OG-1	Pelvis model	1
JJ	OB/GY	OG-2	Embryo's head rotation simulator	1
JJ	OB/GY	OG-3	Breast cancer teaching simulator	1
JJ	OB/GY	OG-4	Childbirth phantom	1
JJ	OB/GY	OG-5	Obstetric model with fetus development	1
JJ	OB/GY	OG-6	High pressure steam sterilizer	2
JJ	OB/GY	OG-7	Drying oven	1
JJ	OB/GY	OG-10	Dressing drum	4
JJ	OB/GY	OG-16	Medical refrigerator	2
JJ	OB/GY	OG-17	Hemoglobinmeter	3
JJ	OB/GY	OG-18	Hemacytometer	2
JJ	OB/GY	OG-19	Vaginal Prosthesis	1
JJ	OB/GY	OG-20	Hysterectomy forceps set	3
JJ	OB/GY	OG-21	Obstetric forceps set	3
JJ	OB/GY	OG-29	Examination light	8
JJ	OB/GY	OG-30	Eelectrosurgical unit	2
JJ	OB/GY	OG-32	Wheel chair	5
JJ	OB/GY	OG-35	Revolving chair	3
JJ	OB/GY	OG-36	Instrument cabinet	3
JJ	OB/GY	OG-39	Instrument tray	6
JJ	OB/GY	OG-40	Mayo's instrument tray	4
JJ	OB/GY	OG-42	Clinical thermometer Electric	12

Site	Dept.	No.	Description	Q'ty
JJ	OB/GY	OG-43	Laparoscope set(Operative)with Automatic gas insufflator&Light source and video endoscope system	1
JJ	OB/GY	OG-48	Infusion pump	6
JJ	OB/GY	OG-49	Blood sedimentation unit	2
JJ	OB/GY	OG-52	Stetches trolleys	2
JJ	OB/GY	OG-53	Treatment carriage	3
JJ	OB/GY	OG-54	Dressing carriage	3
JJ	OB/GY	OG-55	IV stand	20
JJ	OB/GY	OG-58	Examination table (gynecology) with examination unit	6
JJ	OB/GY	OG-59	Sphygmomanometer	15
JJ	OB/GY	OG-62	Emergency cart	4
JJ	OB/GY	OG-64	Dressing jar	6
JJ	OB/GY	OG-67	Bedside monitor	5
JJ	OB/GY	OG-68	Defibrillator(with Ped.paddle)	2
JJ	OB/GY	OG-69	Pulse oxymeter	5
JJ	OB/GY	OG-71	Suction unit	3
JJ	OB/GY	OG-72	Anesthesia apparatus	3
JJ	OB/GY	OG-73	Ventilator	1
JJ	OB/GY	OG-74	Recovery stretcher	3
JJ	OB/GY	OG-75	ICU bed	2
JJ	OB/GY	OG-77	Operating table	3
JJ	OB/GY	OG-78	Operating light	3
JJ	OB/GY	OG-79	Continuous low pressure suction unit	2
JJ	OB/GY	OG-80	Endotracheal set for baby	2
JJ	OB/GY	OG-82	Instrument table	2
JJ	OB/GY	OG-88	Delivery table	6
JJ	OB/GY	OG-89	Vacuum extractor	2
JJ	OB/GY	OG-91	Doppler fetus detector	4
JJ	OB/GY	OG-92	Fetal actocardiograph	1
JJ	OB/GY	AOG-2	Hysteroscope with resectorsope (Light source)	1
JJ	OB/GY	AOG-3	ECG unit	2
JJ	OB/GY	AOG-4	Mobile X-ray Unit	1
JJ	OB/GY	AOG-5	Ultrasound machine B/W portable	1
JJ	OB/GY	AOG-6	Blood transfusion warmer	4
JJ	OB/GY	AOG-11	Water Distiller	1
JJ	Pathology	APA-2	Universal reserch microscope	4
JJ	Pathology	APA-3	Histoprocessor(Automatic Tissue Processor)	1
JJ	Pathology	APA-4	Rotary Microtome	2
JJ	Pathology	APA-5	Automatic slide stainer	2
JJ	Ophthalmology	OP-2	Instrumentation of Vitrectomy	1
JJ	Ophthalmology	AO-3	Indirect ophthalmoscope	1
JJ	Ophthalmology	AO-4	Slit lamp	1
JJ	Ophthalmology	NO-1	Refractometer	1
JJ	Ortho	OR-1	Surgical X-ray C-arm TV system	1
JJ	Ortho	OR-2	Orthopedic Operating Table	1
JJ	Ortho	OR-3	Operating table with attachment	2

Site	Dept.	No.	Description	Q'ty
JJ	Ortho	OR-4	Operating light	2
JJ	Ortho	OR-8	ICU Bed	5
JJ	Ortho	OR-9	Orthopedic gatch bed with traction accessories	6
JJ	Ortho	OR-11	Basic orthopedic instrument set	3
JJ	Ortho	OR-13	Electric plaster saw set	1
JJ	Ortho	OR-15	Anterior spinal instrument set	1
JJ	Ortho	OR-16	Pneumatic bone drill	1
JJ	Ortho	OR-17	A.O.instrument set	1
JJ	Ortho	OR-19	Bedside Monitor	2
JJ	Ortho	OR-21	Spinal Injury -motorized beds	2
JJ	Ortho	OR-24	Pulse oxymeter	2
JJ	Ortho	OR-26	Refrigerator	1
JJ	Ortho	OR-26	Defibrillator(with Ped.paddle)	2
JJ	Ortho	OR-27	Eelectrosurgical unit	3
JJ	Ortho	OR-28	High pressure steam sterilizer	1
JJ	Ortho	OR-29	Anesthesia apparatus	2
JJ	Ortho	OR-35	Wheel chair	4
JJ	Ortho	OR-36	Examination table	2
JJ	Ortho	OR-38	Stetches trolleys	4
JJ	Ortho	OR-39	Pneumatic tourniques	2
JJ	Ortho	AOR-5	High speed drill	1
JJ	Microbio	MC-2	Universal reserch microscope	2
JJ	Microbio	MC-3	biosafety cabinet	2
JJ	Microbio	MC-4	Incubator	2
JJ	Microbio	MC-6	Refrigerator	2
JJ	Microbio	MC-7	Water Distiller	1
JJ	Radiology	R-1	Ultrasound Scanner with Color Dopper	1
JJ	New	N-1	Equipment for maitenance works	1




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Site	Dept.	No.	Description	Q'ty
CAMA	OB/GY	C-1	Examination table(gynecology)with examination unit	4
CAMA	OB/GY	C-5	Colposcope	1
CAMA	OB/GY	C-12	Delivery table	2
CAMA	OB/GY	C-13	Fetal Doppler	5
CAMA	OT	C-35	Operating table	2
CAMA	OT	C-39	Operating light	2
CAMA	OPD	C-41	Examinaing light	4
CAMA	OB/GY	C-43	Fetal actocardiograph	3
CAMA	Endoscope	C-45	Laparoscope set	1
CAMA	OB/GY	C-47	Examination table	1
CAMA	OT	C-49	Blood transfusion warmer	1
CAMA	ICU	C-50-2	ICU bed	1
CAMA	OT	C-52	Emergency tracheostomy instruments in metal	3
CAMA	OT	C-53	Emergency breast operating instruments in metal	3
CAMA	Endoscope	C-57	Cystofiberscope with biopsy forceps	1
CAMA	OB/GY		Electrosurgical unit	2
CAMA	OT	C-62	Anesthesia apparatus	2
CAMA	OB/GY	C-66	Pulse oxymeter	3
CAMA	Radiology	C-68	X-ray film cabinet	1
CAMA	OB/GY	C-72	High pressure steam sterilizer	2
CAMA	OB/GY	C-73	Instrument sterilizer(boiling)	5
CAMA	OB/GY	C-74	ECG machine	4
CAMA	OPD	C-76	Sphygmomanometer(with pediatric cuff)	10
CAMA	OPD	C-78	Medicine cabinet	10
CAMA	OPD	C-79	Instrument carriage	10
CAMA	OPD	C-80	Stethoscope	10
CAMA	OB/GY	C-101	Recovery stretcher	4
CAMA	Laboratory	C-103	Blood gas analyzer	1
CAMA	Laboratory	C-104	Hemoglobinometer electronic	2
CAMA	Laboratory	C-105	Blood bank refrigerator	1
CAMA	Laboratory	C-106	Medical refrigerator	5
CAMA	Laboratory	C-107	Binocular microscope	3
CAMA	Radiology	C-117	X-ray unit with image intensifiers	1
CAMA	Radiology	C-124	X-ray film illuminator	1
CAMA	OPD	C-125	Arm rest for infusion	6
CAMA	Ward	C-135	IV stand	25
CAMA	Ward	C-136	Wheel chair	6
CAMA	Ward	C-137	Medication cart	1
CAMA	OPD	C-142	Laryngoscope	4
CAMA	OPD	C-149	Portable incubator	1
CAMA	OPD	C-151	Infant automatic weighing scale	4
CAMA	NICU	C-152	Oxygen head box for infant	10
CAMA	NICU	C-153	Neonatal Monitor	2
CAMA	Radiology	C-160	Mobile X-ray Unit	1
CAMA	OB/GY	C-163	Defibrillator(with Ped.paddle)	4
CAMA	NICU	CA-1	Syringo pump	10

Site	Dept.	No.	Description	Qty
CAMA	Laboratory	CA-3	Ultrasonic cleaner	1
CAMA	NICU	CN-2	Bilirubin meter	2
CAMA	Laboratory	CN-5	Urine analyzer	1
CAMA	Radiology	CN-6	Automatic film processor	1
CAMA	OB/GY	CN-7	Ultrasound machine stationary type with probes	1
CAMA	OB/GY	CN-8	Ultrasound machine B/W portable	2
CAMA	Laboratory	CN-9	Spectrophotometer	1
CAMA	Radiology	CN-10	X-ray Protection shields set	1
CAMA	OT	CN-11	Bedside Monitor	3

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**Components of cooperation for reorganizing the maintenance and repair system of equipment  
(Mentioned in 5-5 of the Attachment)**

	PROBLEM	RESOLUTION	RESULT (GOAL)
Management Section	<ul style="list-style-type: none"> <li>• Equipment Maintenance System is not organized.</li> <li>• Equipment are maintained with deans' office and each department, separately.</li> <li>☆ Deans' office record number of equipment and place of distributed only.</li> <li>☆ Each department record model No., name of manufacturer, year of purchased, condition, history of repair;</li> <li>☆ Consequently, Administrative office could not know all about concerning condition of equipment.</li> </ul>	<ul style="list-style-type: none"> <li>• All equipment data shall be concentrated in management section</li> <li>• Establish direct communication system for equipment repair between end-user to management section.</li> <li>• Conduct introduction of data management system with personal computer.</li> </ul>	<ul style="list-style-type: none"> <li>• Management section can get all information concerning the just current condition of equipment in hospital.</li> <li>• Management section can arrange maintenance plane in future.</li> <li>• Down-time of fault equipment shall be shorten through prompt communication system.</li> <li>• Medical services in the hospital will be up graded.</li> </ul>
HERM Section	<ul style="list-style-type: none"> <li>• Hospital equipment repair and maintenance (HERM) section have not enough tool, for maintenance and repair.</li> <li>• They could not found out course of trouble because of lack of information with basic principles of equipment, even they have a knowledge with specific field, such as electricity.</li> <li>• Only equipment which have in trouble has been maintained. No routine maintenance scheduled.</li> </ul>	<ul style="list-style-type: none"> <li>• To supply some electric measuring equipment and tool for equipment repair.</li> <li>• To conduct and teaching way of trouble-shoot for electro-medical equipment.</li> <li>• To guide how to find sign of fault.</li> <li>• What is routine maintenance.</li> <li>• Who routine maintenance is required.</li> </ul>	<ul style="list-style-type: none"> <li>• Minor repair work shall be done by HERM.</li> <li>• Equipment shall be kept in good condition for use of long period.</li> <li>• Motivation of site staff shall be improved through guidance of routine maintenance works done by HERM.</li> </ul>

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