

2. Survey Schedule

2. SURVEY SCHEDULE

NAME OF MISSION : BASIC DESIGN STUDY ON THE PROJECT FOR ESTABLISHMENT OF PUNJAB
MEDICAL COLLEGE (PHASE II) IN THE ISLAMIC REPUBLIC OF PAKISTAN

2-1. Basic Design Study Team

NO	DATE		SCHEDULE	PARTICULARS
1	11/12	Mon.	Tokyo - Islamabad (PK-753)	* Consultants' Members leave for Islamabad
2	11/13	Tue.	Islamabad	* Courtesy Call to & Preliminary meeting with Embassy of Japan, JICA Office.
3	11/14	Wed.	Islamabad - Lahore (PK603) Lahore - Faisalabad (by car)	* Consultants' Members leave for Lahore. * Courtesy Call to & Preliminary meeting with P & D Dept. and Health Dept. Government of the Punjab. * Consultants' Members leave for Faisalabad.
4	11/15	Thu.	Faisalabad	* Courtesy call to, Site Survey of and Discussion with the Allied Hospital and Team Meeting.
5	11/16	Fri.	same as above	* Visit to St. Rafael Hospital and Team Meeting.
6 ↓ 18	11/17- /29		same as above	* Site Survey of & Discussion with the Allied Hospital.
19	11/30	Fri.	same as above Faisalabad - Islamabad (PK-658) Tokyo - Islamabad (PK-753)	* Chief Consultant leaves for Islamabad. * Governmental Members leave for Islamabad.
20	12/ 1	Sat.	Faisalabad Islamabad	* Discussion with the Allied Hospital. * Team Study Meeting between Governmental Members and Chief Consultant.
21	12/ 2	Sun.	Faisalabad Islamabad Islamabad - Faisalabad	* Discussion with the Allied Hospital. * Courtesy call to & Preliminary meeting with Embassy of Japan, JICA Office & Relevant Agencies such as MOH. * Governmental Members and Chief Consultant leave for Faisalabad.

No.	DATE		SCHEDULE	PARTICULARS
21	12/ 2	Sun.	Islamabad - Faisalabad	* Team Study Meeting.
22	12/ 3	Mon.	Lahore Faisalabad	* Courtesy Call to & Preliminary Meeting with Government of the Punjab. * Site survey of the Allied Hospital.
23	12/ 4	Tue.	Faisalabad	* Site Survey of & Discussion with the Allied Hospital.
24 ↓ 27	12/ 5- / 8		same as above	* same as above.
28	12/ 9	Sun.	Faisalabad, Lahore	* Discussion with Government of the Punjab & Punjab Medical College.
29	12/10	Mon.	Faisalabad, Lahore	* Final Discussion with Government of Punjab and Punjab Medical College including Signing of Minutes of Discussions.
30	12/11	Tue.	Lahore Faisalabad	* Survey of the Workshop. * 2 Consultants' Members continue to conduct Study and Survey.
31	12/12	Wed.	Islamabad Faisalabad	* Report to & Discussion with Relevant Agencies such as MOH. * Coordinator joins another B/D Study Team. * 2 Consultants' Members continue to conduct Study and Survey.
32	12/13	Thu.	Islamabad - Karachi (PK-309) Islamabad	* Team Leader leaves for Karachi. Chief Consultant conducts Study. * 2 Consultants' Members continue to conduct Study and Survey.
33	12/14	Fri.	Karachi - Tokyo (TG-508) Islamabad Faisalabad	* Team Leader returns to Tokyo * Chief Consultant conducts Study. * 2 Consultants' Members continue to conduct Study and Survey.
34	12/15	Sat.	Islamabad - Karachi (PK-309) Faisalabad - Karachi (PK-337)	* Chief Consultant conducts Study and leaves for Karachi. * 2 Consultants' Members continue to conduct Study and Survey and leave for Karachi.
35	12/16	Sun.	Karachi - Tokyo (TG-508,640)	* Consultants' Members return to Tokyo.

2-2. Basic Design Study Team for Explanation of Draft Final Report

No.	DATE		SCHEDULE	PARTICULARS
1	4/ 7	Sun.	Tokyo - Karachi (TG-641,507)	* Team leaves for Karachi.
2	4/ 8	Mon.	Karachi - Islamabad (PK-300)	* Team leaves for Islamabad. * Courtesy Call to and Meeting with Embassy of Japan, JICA Office and MOH.
3	4/ 9	Tue.	Islamabad - Lahore (PK-385) Lahore - Faisalabad (by car)	* Courtesy call to and Meeting with Health Dept. and P & D Dept
4	4/10	Wed.	Punjab Medical College, Faisalabad	* Courtesy Call to, Meeting with and Explanation of D/F Report.
5	4/11	Thu.	same as above	* Discussion of Content of the Project and Confirmation of Content of D/F Report Survey of Building for the Project.
6	4/12	Fri.	same as above	* Team Meeting.
7	4/13	Sat.	same as above	* Final Confirmation of Equipment List & Discussions about Content of Minutes.
8	4/14	Sun.	Faisalabad - Lahore (by car)	* Explanation of Content of Discu- ssions & Signing of Minutes
9	4/15	Mon.	Lahore - Islamabad (PK-380)	* Report of Result of Survey to and Explanation of the Future Schedule to JICA Office, Embassy of Japan, Ministry of Finance and MOH.
10	4/16	Tue.	same as above	* Team Meeting.
11	4/17	Wed.	Islamabad - Karachi (PK-301)	* Team Leader leaves for Karachi.
12	4/18	Thu.	Karachi	* Team Leader visits Aga Khan Hospital. * Consultants' Members leave for Karachi.
13	4/19	Fri.	Karachi - Tokyo (TG-508,640)	* Team leaves for Tokyo.

3. Attendant's List

1. Pakistani Side

(i) Government of Pakistan

Name	Position
1. Mr. Akhtar Iqubar	Deputy Secretary : Economic Affairs Division, Ministry of Finance & Economic Affairs
2. Prof. Ali M. Ansar;	Director General : Same as above
3. Mr. Mumtaz Ali	Joint Secretary : Same as above
4. Mr. Khalid Javaid	Section Officer : Same as above

(ii) Government of the Punjab

1. Mr. Ch. Mohammad Ashraf	Secretary, DOH
2. Mr. Fariduddin Ahmed	Secretary, DOH
3. Dr. Farrukh Tirmzy	Add. Secretary, DOH
4. Mr. Ch. Akhtar Hussain	Add. Secretary, Department of Finance
5. Mr. Imtiaz Tajwar	chief, Exchange Capital Assistance II, Planning & Development Dept.
6. Mr. Khadim Hussain	Asst. chief, Exchange Capital Assistance II, Planning & Development Dept.
7. Mr. Fajal Abbas Maken	Deputy Secretary/chief, Exchange Capital Assistance I, Planning & Development Dept.

(iii) Punjab Medical College

1. Prof. Dr. Muhammad Anis Mahju	Principal
2. Prof. Dr. Muhammad Zaffar Chaudry	Principal
3. Dr. Nisar Ahmed Bajwa	Medical Superintendent of the Allied Hospital

4. Dr. Iftikar Ahmed Cheema	Medical Superintendent of the Allied Hospital
5. Prof. Naeem Ahmad	Professor of Medicine
6. Assistant Professor Shafiq Ahmad	Assistant Professor of Oral Surgery.
7. Prof. Muhammad Ikram Hashmi	Professor of Pathology.
8. Dr. Ali Jawad Hussain	Assistant Professor of Radiotherapy.
9. Dr. Abdul Hamid Sabir	Associate Professor
10. Mr. Abdul Majeed	Assistant Physiotherapist.
11. Dr. Muhammad Ali	Professor of Biochemistry.
12. Prof. Zia-ud-Din Ahmad	Professor
13. Dr. Ghulam Ahmad	Professor
14. Prof. Muhammad Manzoor Ch.	Professor
15. Prof. Dr. Nasir Ahmad Ch.	Professor
16. Dr. Tariq Salah-ud-Din	Assistant Professor
17. Dr. Shaukat Ali Zahid	Assistant Professor
18. Prof. Altaf Hussain Rathore	Professor
19. Prof. Saadat Ali Zaidi	Professor
20. Prof. Wali Muhammad Saghir	Professor
21. Prof. Mrs. Altaf Bashir	Professor

2) Japanese Side

Name	Position
1. Ryosuke HARAGUCHI	First Secretary of, Japan Embassy
2. Kazuo TANIGAWA	Chief Representative of JICA Pakistan Office
3. Akihiro MITARAI	Same as above
4. Ryosuke ISHIBASHI	Assistant Chief Representative of JICA Pakistan Office
5. Shoji NISHIKAWA	Representative of JICA Pakistan Office
6. Masato TOGAWA	Representative of JICA Pakistan Office
7. Takashi NAKAJIMA	Representative of JICA Pakistan Office

4. Minutes of Discussions


MINUTES OF DISCUSSIONS
ON
THE BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT
FOR PUNJAB MEDICAL COLLEGE (PHASE-II)
IN
THE ISLAMIC REPUBLIC OF PAKISTAN

In response to the request made by the Government of the Islamic Republic of Pakistan, the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Medical Equipment for Punjab Medical College (Phase-II) (hereafter referred to as "the Project") and Japan International Cooperation Agency (JICA) has sent the Basic Design Team headed by Dr. Koichi Nobutomo, Chief, Health Policy and Research Section, National Institute of Health Services Management, Ministry of Health and Welfare, from November 12 to December 15, 1990.

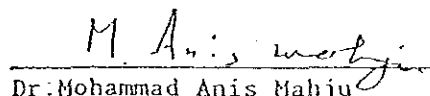
The Team had a series of discussions with the authorities concerned of the Government of the Islamic Republic of Pakistan and conducted a field survey.

As the result of the discussions and field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed the works and prepare the Basic Design Study Report on the Project based on the items.

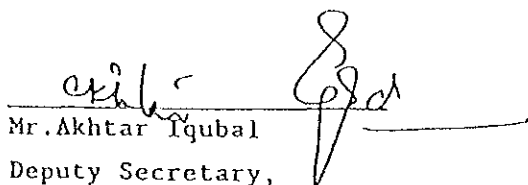
Lahore , December 10 , 1990



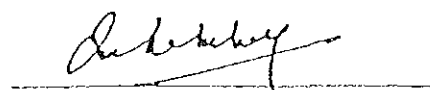
Dr. Koichi Nobutomo
Leader,
Basic Design Study Team
JICA



Dr. Mohammad Anis Mahju
Principal,
Punjab Medical College



Mr. Akhtar Iqbal
Deputy Secretary,
Economic Affairs Division,
Ministry of Finance and Economic Affairs,
Government of the Islamic Republic
of Pakistan



Mr. Ch. Mohammad Ashraf
Secretary,
Department of Health,
Government of the Punjab

ATTACHMENT

1. Objective of the Project

The objective of the Project is to assist to improve the diagnostic and curative capability of Allied Hospital, Punjab Medical College as both a referral medical centre and a teaching hospital bringing up doctors in the Punjab province, through procuring medical equipment, and thus to contribute to promotion of the health of inhabitants in the Punjab province.

2. Executing Agency and Sponsoring Authority

The Project will be executed by the Punjab Medical College, and sponsored by the Government of the Punjab.

3. Items Requested for Implementation of the Project

The items which were confirmed by the Punjab Medical College are shown partly in Annex-1.

4. Selection Criteria of Equipment

The following criteria will be taken into account in preparing a draft basic design of the equipment.

(1) More Efficient Maintenance.

1) The existing capacity.

2) Appropriateness in the view of the running cost and available financial resources.

3) Procurment of the spare parts and consumables.

(2) More Frequent Using

(3) Priorities of the needs of the target population and the expected roles of the Allied Hospital.

(4) Confirmation of the building works when a draft report will be explained by a mission mentioned below.

(5) Availability in local markets.

(6) Building equipment which should be installed and maintained by construction side.

5. Grant Aid Program

(1) The Pakistani side has understood the Japanese Grant Aid System explained by the Team including a principle of use of a Japanese Consultant Firm and a Japanese Contractor for the implementation of the Project.

(2) The Pakistani side will take necessary measures as listed in Annex-2 on condition that the Grant Aid by the Government of Japan would be extended to the Project.

6. Schedule of the Study

(1) JICA will prepare the draft report and dispatch a mission in order to finalize the contents of the report around April, 1991.

(2) In case ~~that~~ the contents of the report is accepted in principle by the Pakistani side, JICA will complete the Basic Design Study Report and submit it to the Pakistani side by August, 1991.

Annex-1

1. ENT Department

- Examination Light
- Laryngoscope Set
- Nebulizer Pump, etc.

2. Ophthalmology Department

- Linear Electronic Ultrasound Scanner for Ophthalmology
- Laser Coherent
- Laser Yag for Ophthalmology, etc.

3. Orthopaedic Department

- Prosthesis Operating Instrument Set
- Hip Prosthesis Operating Instrument Set. Som-type
- Hip Compression Instrument Set, etc.

4. Dermatology Department

- PUVA Therapy Unit
- 8mm Film Movie Projector
- Slide Projector, etc.

5. Neurosurgery Department

- Trauwers Self Retaining Retractor
- Buchanan Trephine for Paediatric
- Tube and Connector for A-V Shunt, etc.

6. Plastic Surgery Department

- Mosquit's Forceps Straight Teeth and Corved Teeth
- Onitsuka's Mouth Gas with 3 kinds of Tongue Plate
- MC Inloe Dissecting Forceps, etc.

7. Chest Surgery / Medicine Department

- Diagnostic Set
- Trocac
- Biopsy Needle, etc.

8. Oral Surgery Department

- Chair-Mount Unit Signo Grand
- Operating Stool
- Yag SLT Contact Laser, etc.

9. Psychiatry Department

- Instrument Troll Percussor
- Storobotest / Strobon Apparatus
- Intubation Tubes, etc.

10. Drug Abuse Treatment Centre

- Tuning Forks
- Tongue Depressor
- Breathing Bag, etc.

11. Ward Department

- Bed with Mattress and Bedside Safty
- Stool Looker
- Overbed Table, etc.

12. Radiotherapy and Nuclear Medicine Department

- Survey Meter for Beta and Gamma Radiation
- Radio Isotope Dose Calibration
- Laboratory Monitor for Beta and Gamma Radiation Monitoring, etc.

13. CCU Department

- Bedside Monitors with Central Monitor
- ECG Pressure Monitoring
- ECG Machine, single channel, etc.

14. Physiotherapy Department

- Microwave Therapy Apparatus
- Transcutaneous Stimulator
- Hirschman's Galvanization, etc.

15. Mortuary

- Mortuary Refrigerator for 2 bodies
- Autopsy Table, Straight Shape

16. Paramedical Institute and Electrical Equipment/Tools

- Lathe Machine with necessary Tools
- Welding Transformer
- Gas Welding and Cutting Sets with Gas Cylinders, etc.

17. Radiology Department

- Ultrasound Apparatus (Linear and Sector)
- Refrigerator
- Stretcher Trolley, etc.

18. Anaesthesia Department

- Infant Ventilator
- Sphygmomanometer, electric
- Bedside Monitor, etc. etc.

19. Paediatric Department

- Oxygen Monitor with Hi-Lo Alarms
- Infant Warmer
- Phototherapy Unit. etc.

20. Surgery Department

- Instrument Set for Microsurgery
- Microsurgery Set for Gynaecology
- Binocular Microscope, etc.

21. Out-door Patient Department

- B.P. Apparatus
- Examining Couches
- Stethoscope, etc.

22. Fire Extinguishing System

- Fire Alarming System
- Fire Extinguishers

23. Transportation and Other Machinery

- Staff Car
- Truck
- Pick-up, etc.

24. Nursing Unit-2(Lift)

- Patient's Lift

25. Gynaecology and Obstetrics Department

- Yanagi's Vaginal Speculum, Medium Size
- Kinoshita's Surgical Vaginal Medium Size Retractor
- Cusco's Vaginal Speculum, etc.

Annex-2

1. To ensure prompt unloading, tax exemption, customs clearance at ports of disembarkation and prompt internal transportation of the equipment purchased under the Grant Aid. But the expenditure of unloading and internal transportation will be borne by the Japanese Government.
2. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement.
 - (1) Advising commission of authorization to pay.
 - (2) Payment commission
3. To exempt Japanese Nationals involved in the Project from custom duties, internal taxes and other fiscal levies which may be imposed in the Islamic Republic of Pakistan with respect to the supply of the products and services under the Verified Contracts.
4. To accord Japanese Nationals whose services may be required in connection with the supply of the products and the services under the Verified Contracts such facilities as may be necessary for their entry into the Islamic Republic of Pakistan and stay therein for the performance of their works.
5. To bear all the expenses other than those to be born by the Grant Aid, necessary for the execution of the Project.
6. To ensure the proper and effective operation and maintenance of equipment purchased under the Grant Aid.

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MINUTES OF DISCUSSIONS
BASIC DESIGN STUDY ON THE PROJECT FOR IMPROVEMENT OF
MEDICAL EQUIPMENT FOR PUNJAB MEDICAL COLLEGE (PHASE-II) IN
THE ISLAMIC REPUBLIC OF PAKISTAN
(CONSULTATION ON DRAFT REPORT)

In December 1990 , the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on the Project for Improvement of Medical Equipment for Punjab Medical College (Phase-II) (hereinafter referred to as "the Project") to the Islamic Republic of Pakistan , and through discussions , field survey , and technical examination of the results in Japan , has prepared the draft report of the study.

In order to explain and to consult the Pakistani side on the components of the draft report , JICA sent to Pakistan a study team , which is headed by Dr. Koichi Nobutomo , Chief , Health Policy and Research Section , National Institute of Health Services Management , Ministry of Health and Welfare, and is scheduled to stay in the country from April 8 to 19 , 1991.

As a result of discussions , both parties confirmed the main items described on the attached sheets.

Lahore , April 14 , 1991

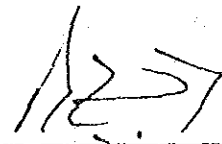


Dr. Koichi Nobutomo

Leader,

Draft Report Explanation Team

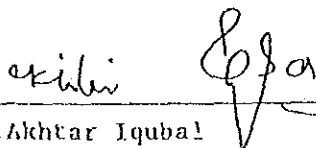
JICA

 14.4.91

Dr. Muhammad Zafar Chaudhry...

Principal,

Punjab Medical College



Mr. Akhtar Iqbal

Deputy Secretary,

Economic Affairs Division,

Ministry of Finance and Economic Affairs,

Government of the Islamic Republic of

Pakistan

29/4/91

 14.4.91

Mr. Fariduddin Ahmed

Secretary,

Department of Health,

Government of the Punjab

ATTACHMENT

1. Components of Draft Report

The Pakistani side has agreed and accepted in principle the components of the Draft Report by the team.

2. Japan's Grant Aid System

(1) The Pakistani side has understood the system of Japanese Grant Aid explained by the team.

(2) The Pakistani side will take the necessary measures , described in Annex-I , for smooth implementation of the Project on condition that the Grant Aid assistance by the Government of Japan is extended to the Project.

3. Further Schedule

The team will make the Final Report in accordance with the confirmed items , and send it to the Pakistani side by August 1991.

Annex- I

1. To ensure prompt unloading, tax exemption, customs clearance at ports of disembarkation and prompt internal transportation of the equipment purchased under the Grant Aid.
2. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement.
 - (1) Advising commission of authorization to pay.
 - (2) Payment commission
3. To exempt Japanese Nationals involved in the Project from custom duties, internal taxes and other fiscal levies which may be imposed in the Islamic Republic of Pakistan with respect to the supply of the products and services under the Verified Contracts.
4. To accord Japanese Nationals whose services may be required in connection with the supply of the products and the services under the Verified Contracts such facilities as may be necessary for their entry into the Islamic Republic of Pakistan and stay therein for the performance of their works.
5. To bear all the expenses other than those to be borne by the Grant , necessary for the transportation and the installation of the equipment.
6. To ensure the proper and effective operation and maintenance of equipment purchased under the Grant Aid.

5. Minutes of Discussions [Equipment List Required]

*The Basic Design Study on the Project
for Improvement of Medical Equipment for
Punjab Medical College (Phase II)*

Islamic Republic of Pakistan

*Confirmation of Equipment List required
(except Paramedical Institute & Electrical Equip./Tools)*

December 8, 1990

Faisalabad, Pakistan

Koichi Nobutomo

*Dr. Koichi Nobutomo
Leader
Basic Design Study Team
JICA*

Akira SATO

*Mr. Akira SATO
Chief Consultant
Basic Design Study Team*

M. Anis Mohsin

*Dr. Mohammad Anis Mohsin 8/12/90
Principal
Punjab Medical College*

Nisar Ahmad Bajwa

*Dr. Nisar Ahmad Bajwa
Medical Superintendent
Allied Hospital
Punjab Medical College.*

Department of E.N.T.

CODE NO.	GENERIC TITLE	Q'TY
A-1	Examination Light	10 units
A-2	Laryngoscope Set	2 sets
A-3	Nebulizer Pump	2 sets
A-4	Audiometer for Adult with Sound Proof Prefabricated Room	1 unit
A-5	Audiometer for Infant	1 unit
A-6	Overhead Projector	1 unit
A-7	Side Projector	1 unit
A-8	Projector Screen	1 unit
A-9	Slide Cabinet	1 set
A-10	E.N.T. Teaching Model	1 set
A-11	Video Cassete Recorder & Monitor (VHS) with Stand	1 unit
A-12-1	Instrument Sterilizer	3 units
A-12-2	High Pressure Steam Sterilizer with Stand	2 units
A-13	Electronistagmograph with Table	1 unit
A-14	Multipurpose Surgical Laser (Yag Type)	1 unit

Department of Ophthalmology

CODE NO.	GENERIC TITLE	Q'TY
B-1	Linear Electronic Ultrasound Scanner for Ophthalmology	1 unit
B-2	Laser Coherent	1 unit
B-3	Laser Yag for Ophthalmology	1 unit
B-4	Ocutome with Table	1 unit
B-5	Perimeter with Table	2 units
B-6	Hand held Appalanation Tonometer	3 sets
B-7	Portable Slit-Lamp Microscope	1 unit
B-8	Synaptophore with Table	2 units
B-9	Ophthalmometer with Table	1 unit
B-10	Specular Microscope with Table & Camera	1 unit
B-13	Photo Slit-Lamp Microscope with Camera and Table	1 unit
B-14	Gonioscope with Prism	4 pcs.

Department of Orthopaedic

CODE NO.	GENERIC TITLE	Q'TY
C-1	Prosthesis Operating Instrument Set	2 sets
C-2	Hip Prosthesis Operating Instrument Set, Som-Type	2 sets
C-3	Hip Compression Instrument Set	2 sets
C-4	Sliding Nail Plate Set	2 sets
C-5	Dynamic Compression Plate Set	2 sets
C-6	Compression plate Set K-U, M, J-O Type	2 sets
C-7	Orthopaedic Operating Instrument Set	2 sets
C-8	Operating Instrument Set for Wiring	2 sets
C-9	Operating Instrument Set for Neuisection	2 sets
C-10	Operating Instrument Set for External Fixator (Tubular System)	4 sets
C-11	Operating Instrument Set for Laminectomy	1 set
C-12	Operating Instrument Set for Spinal Fusion	1 set
C-15	Spinal Cord Traction Frame	2 units
C-17	Operating Instrument Set for Orthopaedic	1 set
C-18	Operating Instrument Set for Removal of Broken Screws	2 sets
C-19	Operating Instrument Set for Bone Fracture	2 sets
C-20	Operating Instrument Set for Small Fragment and Mini Implant	2 sets
C-21	Operating Instrument Set for Lengthening of Extremities	2 sets
C-22	Electric Universal Bone Saw	2 sets
C-23	Operating Instrument Set for Skin Graft	2 sets
C-24	Slide Projector 35mm Slide	1 unit
C-25	Overhead Projector	1 unit
C-26	Projector Screen	1 unit
C-27	Electric Torch Light Pointer for Slide Demonstration	1 pc.
C-28	Orthopaedic Plaster Room Equipment	1 set
C-29	Cloverleaf Kuntscher Intramedullary Nail, straight	1 set
C-30	Cloverleaf Kuntscher Intramedullary Nail, for Tibia ...	1 set
C-31	MR-500 Intramedullary Nail	1 set
C-32	Pneumatic Tourniquet	1 set
C-33	Pelvic Traction Belt	3 sets

C-34	Overhead Traction Frame	1 set
C-35	Operating Instrument Set for Knee Prosthesis	1 set
C-36	Orthoscope with Camera and Light Supply Unit	2 sets
C-37	Operating Instrument Set for Hand Surgery	1 set
C-38	Operating Instrument Set for Micro Vascular Surgery ...	2 sets

Department of Dermatology

CODE NO.	GENERIC TITLE	Q'TY
D-1	PUVA Therapy Unit	1 unit
D-2	8mm Film Movie Projector	1 unit
D-3	Slide Projector	1 unit
D-4	Overhead Projector	1 unit
D-5	35mm Camera with Micro Lense & Strobe Attachment	1 set
D-6	Patch Test Kit	2 sets
D-8	Binocular Microscope	1 unit
D-9	Loupe	1 pc.
D-10	Panjet Injector	2 pcs.
D-11	Small Operating Instrument Set	2 sets
D-12	Airway	2 sets
D-13	Tongue Depressor	2 pcs.
D-14	Ophthalmoscope	1 set
D-15	Screen	10 units
D-16	Reflector	2 pcs.
D-17	Fluorescence Microscope	1 unit
D-18	High Pressure Steam Sterilizer with Stand	1 unit
D-19	Centrifuge	1 unit
D-20	Incubator with Stand	1 unit
D-21	Drying Oven	1 unit
DA-22	Electrocautery Unit	1 unit
DA-23	Cryo Surgery Set	1 unit
DA-24	Woods Lamp	1 unit

Department of Neurosurgery

CODE NO.	GENERIC TITLE	Q'TY
E-3	Trawers Self Retaining Retractor	8 pcs.
E-4	Buchanan Trephine for Paediatric	2 pcs.
EA-6	Tube and Connector for V-A Shunt	24 each
EA-7	Ventricular Drainage Set	12 pcs.
EA-8	Head Holder	1 pc.
EA-9	Bipolar Coagulator	1 unit
EA-10	Operating Microscope	1 unit
EA-11	Microsurgery Instrument Set	1 set
EA-12	Aneurysm clips C Set Applicator	1 set
EA-13	Sugita Aneurysm Removing Forceps	1 set
EA-14	Aneurysm Clips	1 set
EA-15	Tokyo Uni, Pattern Transspenoidal Pituitary Instruments	1 set
EA-16	Anterior Cervical Fusion Set	1 set
EA-17	Spinalcurve Frame	1 unit
EA-18	Forceps Set for Intervertebral disc	1 set
EA-19	Rongeur Beyer Type	2 pcs.
EA-20	Stryker Wedge Turning Frame	1 unit
EA-21	Nerve Root Retractor	1 pair
EA-22	Double Action Pin Cutter	1 pc.
EA-23	Weitlaner's Retractors	4 pcs.
EA-24	Kerison Punches, 3 types	2 each
EA-25	Craniotomy Set, 6 kinds	2 each
EA-26	Laminectomy Set	2 sets
EA-27	Kerison Punches, 3 types	2 each
EA-28	Forceps for Intervertebral disc	1 set
EA-29	V-A Shunt System, 4 kinds	24 each
EA-30	V-A Shunt Control for Infant	12 pcs.
EA-31	Ventricular Drainage Set	12 pcs.
EA-32	Diagnostic Set	1 set
EA-33	Critical Care Ventilator	2 units
EA-34	Cardiac Monitor	4 units
EA-35	Laryngoscope, 2 kinds	1 set
EA-36	Endotracheal Tubes Plastic with Cuff	1 set
EA-37	Curved Catheter Connector	1 set
EA-38	Straight Catheter Connector	1 set

EA-39	Magill Forceps	1 set
EA-40	Breathing Bags, 5 sizes	1 set
EA-41	Anaesthetic Mask, 4 sizes	1 set
EA-42	Anaesthetic Mask, infants	1 set
EA-43	Berman Airway, 3 sizes	1 set
EA-44	Tube Connector	1 set
EA-45	Corrugated Breathing Tube, 2 sizes	1 set
EA-46	Resuscitator	1 set

Department of Plastic Surgery

CODE NO.	GENERIC TITLE	Q'TY
F-1	Mosquit's Forceps Straight Teeth & Corved Teeth	4 each
F-2	Onitsuka's Mouth Gag with 3 kinds of Tongue Plate	1 set
F-3	MC Inloe Dissection Forceps	4 each
F-4	MC Inloe Dissection Forceps	4 each
F-5	Adson Dissecting Forceps	4 each
F-6	Adson Dissecting Forceps	4 each
F-7	Kilner Straight Scissors	4 pcs.
F-8	Kilner Skin Retractor	2 pcs.
F-9	Kilner Curved Scissors	4 pcs.
F-10	Kilner Nasal Retractor	4 pcs.
F-11	Bipolar Coagulator Unit	1 unit
F-12	Straight Bipolar Forceps, 4 different sizes	4 sets
F-13	Gilles Fines Stem Hook	2 pcs.
F-14	Kilner Alae Retractor	4 pcs.
F-15	Kilner Needle Holder	4 pcs.
F-16	Kilner Suction Tube	4 pcs.
F-17	Cobbett Modified Brailt with Stem Graft Knife with 10 sterib Blades	1 set
F-18	Cryo Surgery Set	1 set
F-19	Morotomi's Mesh Graft Dermatome	1 unit
F-20	Eckhoff Mapping Pen with Nib	1 pc.
F-21	Metal Nib	1 pc.
F-22	Suture Needle for Plastic Surgery Round Shape Type, 10 different sizes	100 each
F-23	Dennis Brown Cleft Palate Resparatory	2 pcs.
F-24	Dennis Brown Cleft Palate Resparatory	2 pcs.
F-25	Baron Palate Dissectors Set	1 set
F-27	Electro Surgical Unit	1 unit
F-28	Micro Surgery Instrument Set	1 set
F-29	Standard Set for Harelipand Cleft Palate	1 set
F-30	Standard Set for Rinoplasty	2 sets
F-31	MC Indoc Nasal Chisels	3 sets
F-32	Silver Nasal Chisel	3 sets
F-33	Jenkins Couges	3 sets
F-34	Angular Scissors	4 pcs.
F-35	Plastic Surgery Instrument Set	1 set

F-39	Knapp Scissors	2 pcs.
F-40	Suction Tube	4 pcs.
F-41	Mallet	4 pcs.
FA-43	Super Speed Dermal Grinding Unit	1 unit

Department of Chest Surgery / Medicine

CODE NO.	GENERIC TITLE	Q'TY
G-1	Diagnostic Set	2 sets
G-5	Trocar	2 sets
G-6	Biopsy Needle	2 sets
G-7	Pulmo Tester	1 unit
G-8	Suction Unit	1 unit
G-9	E.C.G. Analyzer	1 unit
G-10	Manual Resuscitator	1 set
GA-11	Broncho Fiberscope with Endoscopic Illuminator/Stand ..	1 set
GA-12	Nebulizer Pump	2 units
GA-13	Endotracheal Tube Set	1 set
GA-14	Laryngoscope Set with Blade/Batteries	1 set

Department of Oral Surgery

CODE NO.	GENERIC TITLE	Q'TY
H-1	Chair-Mount Unit Signogrand	2 units
H-2	Operating Stool	4 units
H-3	Yag SLT Contact Laser	2 units
H-4	Dental Treatment Cabinet	2 units
H-5	Full Automatic Sterilizer	2 units
H-6	Dry Heat Sterilizer	2 units
H-7	Hand Sterilizer	1 unit
H-8	Radio Visio Graphy	1 unit
H-9	Direct Current System	
	Dental Panoramic X-Ray Apparatus	1 unit
H-10	Film Cassette for Panoramic	4 units
H-11	Flat Film Cassette for Cephalo	4 units
H-12	X-Ray Film Automatic Processor	1 unit
H-13	Dental X-Ray Apparatus	1 unit
H-14	Dental Fiberscope System	1 set
H-15	Ultrasonic Scaler	2 sets
H-16	Ultrasonic Root Canal Apparatus	2 units
H-17	Induction Apparatus	2 units
H-18	Light Curing Apparatus	2 units
H-19	Multipurpose Diagnostic Apparatus	3 units
H-20	Root Canal Enlargement & Filling System	3 sets
H-21	Electric Pulp Tester	3 sets
H-22	Amalgam Mixer	3 sets
H-23	Amalpac Set	3 sets
H-24	Laboratory Micromotor	2 sets
H-25	Light Curing Apparatus, Checking Unit	2 units
H-26	Stainless Cup	6 pcs.
H-27	Magnetic Bur Stand	6 pcs.
H-28	Rubber Dem Clamp Set	6 sets
H-29	Electro Surge Operer	2 sets
H-30	Caries Diagnostic Meter	3 pcs.
H-31	Prophylaxis Cleaner	2 pcs.
H-32	Mandrels	6 pcs.
H-33	Diamond Discs	24 pcs.
H-34	Brush Cone	20 pcs.
H-35	Tooth Brushing Study Model	2 pcs.

H-36	Lead Number for Intra Oral Exposures	3 sets
H-37	Film Holder for Bite Wing Exposures	50 boxes
H-38	Micro E Drill	1 set
H-39	Micro E Sagittal Saw	1 set
H-40	Micro E Reciprocating Saw	1 set
H-41	Micro E Wiredriver	1 set
H-42	Micro E Oscillating Saw	1 set
H-43	Micro E Controller	1 set
H-44	Sterilization Container	1 set
H-45	Holding Clamp	1 set
H-46	Filter Kit	1 kit
H-47	Cyst Curette	6 pcs.
H-48	Cyst Curette	6 pcs.
H-49	Long Steel Scope	6 pcs.
H-50	Clouston Walker Modified Fixation Apparatus	3 units
H-51	Royal Berkshire Hospital Model Halo Frame	3 units
H-52	Dal Pont Hooks	12 pcs.
H-53	Dal Pont Hooks	12 pcs.
H-54	Dal Pont Hooks	12 pcs.
H-55	Wordsley Mandibular Set	6 sets
H-56	Bowerman and Conroy Sectional Implants	6 sets
H-57	Rowe Screw Holding Forceps	2 pcs.
H-58	Williams Automatic Screw Holding Screw Driver	1 pc.
H-59	Harrison Mandible Holding Forceps	2 pcs.
H-60	Seldin Mandible Holding Forceps	2 pcs.
H-61	Toller Maxillary Fracture Reduction Forceps	2 pcs.
H-62	Indoe Lion Forceps	2 pcs.
H-63	Rowe Disimpaction Forceps	2 pcs.
H-64	Hayton Williams Forceps	2 pcs.
H-65	Rowe Disimpaction Forceps	2 pcs.
H-66	Hayton Williams Forceps	2 pcs.
H-67	Rowe Zygomatic Elevators	2 pcs.
H-68	Kilner Malar Elevators	2 pcs.
H-69	Bristow Malar Elevators	2 pcs.
H-70	Wire Loop Forceps	2 pcs.
H-71	Osteotome	2 pcs.
H-72	Tessier Maxillary Mobiliser	2 pcs.
H-73	Tessier Maxillary Mobiliser	2 pcs.
H-74	Maddan Maxillofacial Retractor	2 pcs.

H-75	Rowe Zygomatic Arch Awl	2 pcs.
H-76	Ward Cheek Retractor	2 pcs.
H-77	Mouth Props.	2 pcs.
H-78	Mouth Props	2 pcs.
H-79	Mouth Props	2 pcs.
H-80	Weislander Retractor	2 pcs.
H-81	Killian Nasal Speculum	2 pcs.
H-82	Intra Osseous Blade Implants Set	10 sets
H-83	Complete Instrument Set for Intra Osseous Blade Implants	2 sets
H-84	Injection Carriage Syringe	12 pcs.
H-85	Disposable Needles	100 boxes
H-86	Disposable Needles	100 Boxes
H-87	Periosteal Elevators	12 pcs.
H-88	Elevators	6 pcs.
H-89	Elevators	6 pcs.
H-90	Elevators	6 pcs.
H-91	Elevators	6 pcs.
H-92	Elevators	6 pcs.
H-93	Root Tip Pick	6 pcs.
H-94	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-95	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-96	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-97	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-98	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-99	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-100	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-101	Tooth Forceps for Wisdom Teeth	6 pcs.
H-102	Tooth Forceps for Wisdom Teeth	6 pcs.
H-103	Tooth Forceps for Wisdom Teeth	6 pcs.
H-104	Tooth Forceps for Upper Roots	6 pcs.
H-105	Tooth Forceps for Upper Roots	6 pcs.
H-106	Tooth Forceps for Upper Roots	6 pcs.
H-107	Tooth Forceps for Upper Roots	6 pcs.
H-108	Tooth Forceps for Upper Roots	6 pcs.
H-109	Tooth Forceps for Upper Roots	6 pcs.
H-110	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs.
H-111	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs
H-112	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs

H-113	Tooth Forceps for Lower Incisor Caninas and Bicuspid .	6 pcs
H-114	Tooth Forceps for Lower Incisor Caninas and Bicuspid .	6 pcs
H-115	Tooth Forceps for Lower Molars	6 pcs.
H-116	Tooth Forceps for Lower Molars	6 pcs
H-117	Tooth Forceps for Lower Molars	6 pcs
H-118	Tooth Forceps for Lower Molars	6 pcs
H-119	Surgical Blade Holder	12 pcs.
H-120	Surgical Blades	100 pack
H-121	Surgical Blades	100 pack
H-122	Surgical Blades	100 pack
H-123	Surgical Blades Remover	6 pcs.
H-124	Bone Curette Schedes	6 pcs.
H-125	Double End Curette Set	3 sets
H-126	Tissue Retractors	6 pcs.
H-127	Tissue Retractors	6 pcs.
H-128	Retractors	6 pcs.
H-129	Sugarman File	6 pcs.
H-130	Bone File	12 pcs.
H-131	Bone File	6 pcs.
H-132	Needle Holders, straight	12 pcs.
H-133	Needle Holders, curved	12 pcs.
H-134	Surgery Mallets	3 pcs.
H-135	Gum Scissors Set	3 sets
H-136	Scissors	12 pcs.
H-137	Needle Holders	24 pcs.
H-138	Double End Explorer	24 pcs.
H-139	Periodontal Probes	24 pcs.
H-140	Dental Mirror	24 pcs.
H-141	Dressing Pliers	24 pcs.
H-142	Gum Retractor	12 pcs.
H-143	Gum Retractor	12 pcs.
H-144	Instrument Set for Treatment at Patient Home	2 sets
H-145	Plastic Cheek Retractor	2 boxes
H-146	Denhalt Mouth Opener	6 pcs.
H-147	Tongue Guard	12 pcs.
H-148	Double End Excavators	12 pcs.
H-149	Double End Cement Spatula	12 pcs.
H-150	Lining Applicator	12 pcs.
H-151	Proximal Filling Instrument	12 pcs.

H-152	Amalgam Carrier	12 pcs.
H-153	Double End Amalgam Pluggers	12 pcs.
H-154	Double End Amalgam Burnisher	12 pcs.
H-155	Amalgam Carver	6 pcs.
H-156	Amalgam Carver	6 pcs.
H-157	Matrix Retainer	6 pcs.
H-158	Matrix Bands	6 pack
H-159	Matrix Retainers	6 pcs.
H-160	Matrix Bands	6 pack
H-161	Tooth Separator	3 pcs.
H-162	Tooth Separator	3 pcs.
H-163	Hygienist Scaler Set	4 sets
H-164	Pyorrhea Scaler Set	4 sets
H-165	Pyorrhea Scaler Set	4 sets
H-166	Perio Surgical Instrument Set	6 sets
H-167	Root Canal Length Indicator	3 pcs.
H-168	Endodontic Kit	3 kits
H-169	Spreader	2 each
H-170	Gutta Percha Instrument	2 sets
H-171	Root Cannal Pluggers	2 each
H-172	Root Cannal Dropper	100 pcs.
H-173	Nerve Broach	50 pack
H-174	Nerve Broach with Handle	50 pack
H-175	Lentulo Poste Carrier	10 pack
H-176	Flaxo Reamer	50 pack
H-177	Flexo File	50 pack

Department of Psychiatry

CODE NO.	GENERIC TITLE	Q'TY
I-1	Instrument Troll Percussor	1 unit
I-2	Strobotest/Storobon Apparatus	1 unit
I-8	Intubation Tubes	2 sets
I-9	Airways, each sizes	3 sets
I-11	Tuning Forks	2 pcs.
I-12	Tongue Depressors	2 pcs.
I-13	Ophthalmoscope with Hallogen Lamp	1 unit
I-15	Manual Resuscitator	2 sets
I-16	Laryngoscope with 3 brades	1 set
I-18	Anaesthesia Apparatus	2 units
I-19	Sponge Holding Forceps	2 pcs.
I-20	Electro Convulsive Therapy Machine	1 unit
I-21	Couch for ECT	2 units
I-22	Couch for Hypnosis	2 units
I-23	Tape Recorder	2 sets
I-24	Video Cassette Recorder with Movie Camera/Monitor	1 set
I-26	Overhead Projector	1 unit
I-27	Slide Projector	1 unit
I-28	High Pressure Steam Sterilizer	1 unit
I-29	Personal Computer	1 unit
I-30	Photocopy Machine	1 unit
I-33	Kits & Relavent Literature	1 set

Department of Drug Abuse Treatment Centre

CODE NO.	GENERIC TITLE	Q'TY
J-10	Tuning Forks	2 pcs.
J-11	Tongue Depressor	10 pcs.
J-12	Breathing Bag	2 sets
J-13	Sponge Holding Forceps	4 pcs.
J-14	High Pressure Steam Sterilizer	1 unit
J-16	Corch for Relaxation Exercises	1 unit
J-17	Corch for Hypnosis	1 unit
JA-18	Thin Layer Chromatograph	1 unit

Department of Ward

CODE NO.	GENERIC TITLE	Q'TY
K-1	Bad with Matress & Bedside Safty	500 units
K-2	Stool Locker	500 units
K-3	Overbed Table	500 units
K-4	Pillows (60cm x 30cm)	500 pcs.
K-5	Bed Sheet (white color)	1500 pcs.
K-6	Pillow Cover (white color)	1000 pcs.
K-7	Transfusion Stand	168 pcs.
K-8	Screen Partition	48 units
K-9	Urinal Set	24 sets
	Bedpan -male- 5 pcs./set	
	Bedpan -female- 5 pcs./set	
	Urinal ss -male- 5 pcs./set	
	Urinal ss -femele- 5 pcs./set	
K-11	Enema Can Set	96 sets
K-12	Hot Water Bottle with Grip	96 pcs.
K-13	Blanket	1000 pcs.
K-14	Clinical Thermometer	240 pcs.
K-15	Stethoscope	96 pcs.
K-16	Sphygmomanometer	48 sets
K-17	Bucket	500 pcs.
K-18	Bedside Cabinet	500 units
K-19	Folding Chair for Teaching Purpose	180 units
K-20	Refrigerator without Freezer	24 units
K-21	Medicine Cabinet	24 units
K-22	Ultrasonic Nebulizer	24 units
K-23	Treatment Carriage	24 units
K-24	Instrument Table with Wheel	24 units
K-25	Laundry Cart	48 units
K-26	Wasta Receptacle	48 units
K-27	Wheel Chair for Adult with Spare Tyer	48 units
K-28	Invalid Walker	24 units
K-29	Oxygen Tent	24 units
k-30	Instrument Tray Set	48 units
K-31	Patient Stool	48 units
K-32	Examination Table	48 units
K-33	Strecher with Wheel Trolly	29 units

K-34	Weighing Machine	24 units
K-35	Wall Clock	24 units
K-36	Doctor Consulting Chair with Desk	24 sets
K-37	Oxygen Cylinder with Trolly	144 pcs.
K-38	Film Illuminator for 3 Films	43 units
K-39	Double Basin Stand with Basins	24 units
K-41	B.P. Apparatus, wall mounted type	24 units
K-42	B.P. Apparatus, stand type	48 units
K-43	Instrument Cabinet	24 units
K-44	Television Monitor	24 units
K-45	Suction Unit	24 units
K-46	Ice Cube Machine	24 units
K-47	Ward Instrument Set	24 sets
K-48	Bed for Coronary Care Unit	10 units
K-50	Traction Frame with Weight	10 sets
K-52	Ophthalmoscope	24 sets
K-53	Laryngoscope Set	24 sets
K-54	Ambu Bag	24 sets
K-55	Blood Gas Analyzer	1 set
K-56	Emergency Light	10 units

Department of Radiotherapy & Nuclear Medicine

CODE NO.	GENERIC TITLE	Q'TY
L-1	Survey Meter for Beta and Gamma Radiation	1 unit
L-2	Radio Isotope Dose Calibration	1 unit
L-3	Laboratory Monitor for Beta and Gamma Radiation Monitoring	1 unit
L-4	Pocket Dosimeter, Gamma X-Rays	15 sets
L-5	Charger for Pocket Dosimeter	1 unit
L-7	Co-60 Rotational Telotherapy Unit 5000 Curing Source with TV Monitor	1 unit
L-8	Essential Operating Theater Equipment	1 set
L-9	Simulator	1 unit
L-10	Dosimetric Equipment	1 set
L-11	Water Phantom	1 set
L-12	Remote After Loading System	1 unit

Department of C.C.U.

CODE NO.	GENERIC TITLE	Q'TY
M-1	Bedside Monitors with Central Monitor (Central Monitor...1, Bedside Monitor...4/Unit)	3 units
M-2	E.C.G. Pressure Monitoring	1 unit
M-3	E.C.G. Machine, Single Channel	2 units
M-5	Central Air-conditioning System	1 system
M-6	Asrhymia Unit	1 unit
M-7	Resuscitation Unit	1 unit
M-8	Emergency Trolly	2 units
M-9	Ambulance with Furnished Medical Equipment	1 car

Department of Physiotherapy

CODE NO.	GENERIC TITLE	Q'TY
N-1	Microwave Therapy Apparatus	1 unit
N-2	Transcutaneous Stimulator	1 unit
N-3	Hirschman's Galvanization	1 unit
N-4	Ultrasonic Apparatus	1 unit
N-6	Neodynator for Application of Dynamic Currents	1 unit
N-7	Mobile Underwater Massage Unit	1 unit
N-8	Metro Massage Apparatus	1 unit
N-10	Ergometer	1 unit
N-11	Traction Table	1 unit
N-12	Standing Bed Traction Bed for Versatile Use	1 unit
N-13	Shoulder Wheel	1 unit
N-14	Parallel Bar for Adult	1 unit
N-15	Parallel Bar for Children	1 unit
N-16	R.S.C. Pull/Armour Exerciser with Weight	1 unit
N-17	Variweight Boot and Weight	1 unit
N-18	Rowing Machine	1 unit
N-19	Wrist Rotator	1 unit
N-20	Grip Dynamometer	1 pc.
N-21	Bicycle Exerciser	1 unit
N-22	Mirror for Posture Training	1 unit
NA-23	Portable Ultrasound Therapy Unit	1 unit
NA-24	Infra-red Laser Therapy Unit	1 unit

P-36	Gas Welding & Cutting Sets	2 nos.
P-37	Shaper	2 nos.
P-38	Hydraulic Press	2 nos.
P-39	Milling Machine	2 nos.
P-40	Honing Machine	2 nos.
P-41	Air Compressor Tank	2 nos.
P-42	Electric Drill Machine, Gear & Stand Type	5 nos.
P-43	Vacuum Pump Set	3 nos.
P-44	Armature & Winding Machine	3 nos.
P-45	Hammer Drill Machine	4 nos.
P-46	Vibrator Drill	4 nos.
P-47	Electric Drill Machine (Hand Type)	8 nos.
P-48	Electric Drill Machine (Stand Type)	5 nos.
P-49	Channel Type Chain Block (3 Ton Capacity)	2 nos.
P-50	Grinder Hand Type	4 nos.
P-51	Grinder Table Type	6 nos.
P-52	Bench Vice	30 nos.
P-53	Hand Vice	30 nos.
P-54	Pipe Bender Different Size	3 nos.
P-55	Steel Cutter	3 nos.
P-56	Electric Screw Driver	4 nos.
P-57	Gas Leak Deducted (Electronic)	2 sets
P-58	Gas Injector Adopter (Freen Gases)	2 nos.
P-59	Density Meter	3 nos.
P-60	Voltage Sterilizer (50-A)	3 nos.
P-61	Voltage Sterilizer (25-A)	5 nos.
P-62	Voltage Sterilizer (10-A)	10 nos.
P-63	Voltage Sterilizer (5-A)	22 nos.
P-64	Electric Hacksaw	3 nos.
P-65	Reamer Set	4 nos.
P-66	Threading Tools Different Sizes for Lathe	5 sets
P-67	Threading Dye in MM and Standard Sizes	5 sets
P-68	Micro Meter	4 nos.
P-69	DC Power Supplies	30 nos.
P-70	Hydraulic Trainer	10 sets
P-71	Air Pressure Automatic Control Training	10 sets
P-72	Sequence Control Trainor	10 sets
P-73	Semi Conductor Trainor	10 sets
P-74	Pulse Circuit Trainor	10 sets

Department of Mortuary

CODE NO.	GENERIC TITLE	Q'TY
O-1	Mortuary Refrigerator for 2 bodies	2 units
OA-2	Autopsy Table, Straight Shape	2 units

P-75	Operational Amplifire Trainor	10 sets
P-76	Oscillator Circuit Trainor	10 sets
P-77	Logic Circuit Trainor	10 sets
P-78	Transistor Circuit Trainor	10 sets
P-79	Electrical System Trainor	10 sets
P-80	Multy Function Meter	4 sets
P-81	Digital X-Ray Exposur Timer	4 sets
P-82	Digital mAs Meter	4 sets
P-83	Automatic Exposur Control Analyzer	4 sets
P-84	Rad Check Tm Plus	4 sets
P-85	Optional Remote Detector	4 sets
P-86	Silicon X-Ray Sensor	4 sets
P-87	Wisconsin KVP Test Cassette	4 sets
P-88	Colimeter and Beam Alignment Test Tools	4 sets
P-89	Radiographic Aluminum Stepwedge	4 sets
P-90	Attenuator Sets	4 sets
P-91	Highcontrast Resolution Test Tools	4 sets
P-92	Low Contrast Resolution Test Tools	4 sets
P-93	Grid Alignment Test Tool	4 sets
P-94	Tomographic Test Tools	4 sets
P-95	Film Screen Contact Test Tools	4 sets
P-96	Angiography (DSA) Phantom	4 sets
P-97	Angiography (DSA) Phantom	4 sets
P-98	Chest Unit Qckit	4 sets
P-99	Radiographic Phantom	4 sets
P-100	Dental QA Phantom	4 sets
P-101	Radiographic/Flouro Kit	4 sets
P-102	X-Ray Test Patterns	4 sets
P-103	Beam Alignment/Arm Punch Test Tools	4 sets
P-104	E.C.G. Simulator	4 nos.
P-105	Blood Pressure System Calibrator	4 nos.
P-106	Mulitparameter Simulator with Blood Pressure	4 nos.
P-107	Electrical Safety Analyzer	4 nos.
P-108	E.C.G. Machine Monitor Analyzer	4 nos.
P-109	Digital Ultrasound Wattmeter	4 nos.
P-110	Defibrillator Analyzer	4 nos.
P-111	Digital Tachometer	4 nos.
P-112	Oxygen Monitor	4 nos.
P-113	Arrhythmia/E.C.G. Simulator	4 nos.

P-114	Electrosurgery Analyzer	4 nos.
P-115	Ventilator Tester	4 nos.
P-116	Diathermy Analyzer	4 nos.
P-117	Laser Power Meter	4 nos.

Department of Radiology

CODE NO.	GENERIC TITLE	Q'TY
R-1	Ultrasound Apparatus (Linear & Sector)	2 units
R-2	Refrigerator	1 unit
R-3	Stretcher Trolly	1 unit
R-4	X-Ray Diagnostic Apparatus 500mA	1 unit
R-5	Slide Projector	1 unit
R-6	X-Ray Film Projector	1 unit
R-7	Camera for Clinical X-Ray Film with Flash and Stand ...	1 set
R-8	X-Ray Film Illuminator	2 units
R-9	Wheel Chair	2 units
R-10	Whole-Body CT Scanner	1 system

Department of Anaesthesiology

CODE NO.	GENERIC TITLE	Q'TY
S-1	Infant Ventilator	2 units
S-2	Sphygmomanometer Electric	4 units
S-3	Bedside Monitor	4 units
S-4	Central Nitrous Oxide Supply for 20 Operation Theatres	1 system
S-5	Fiberoptic Laryngoscope, Light Sorce	2 pcs.
S-7	Breathing Bag	10 sets
S-8	Electrolyte Analyser	1 unit
S-9	Lung Function Test Machine	1 unit
S-10	Ambu Bag for Adult	6 sets
S-11	Ambu Bag for New-born Baby	4 sets

Department of Paediatrics

CODE NO.	GENERIC TITLE	Q'TY
T-1	Oxygen Monitor with Hi-Lo Alarms	1 unit
T-3	Infant Warmer	2 units
T-5	Phototherapy Unit	1 unit
T-7	Ultrasound System for Cardiology and Abdoman	1 unit
T-8	Intermittent Positive Airway Pressure System	1 system
T-10	Microscope	1 unit
T-11	Ophthalmoscope	1 set
T-12	Infant Weighting and Measuring Machine	2 units
T-13	HB Meter	1 unit
T-14	Resuscitator of Newborne & Infant	1 unit
T-16	Infant Intubation Set	1 set
T-18	Examining Table	2 units
T-19	Neonatal Monitor	1 unit
T-20	Neonatal Respiration and Apnea Monitor	1 unit
T-22	Paediatric Resuscitation Trolley	1 unit

Department of Surgery

CODE NO.	GENERIC TITLE	Q'TY
U-1	Instrument Set for Microsurgery	1 set
U-2	Microsurgery Set for Gynaecology	1 set
UA-3	Binocular Roope	4 pcs.
UA-4	Binocular Roope	4 pcs.
UA-5	Cystourethroscope Set	1 set
UA-6	Irrigating Cystoscope	1 set
UA-7	Lithotriptoscope	1 set
UA-8	Examining & Double Cathetrizing Cystoscope	1 set
UA-9	Biopsy Forceps	2 sets
UA-10	Resectoscope, Iglesias, Continuous Irrigation	1 set
UA-11	Visual Urethrotome	1 set
UA-12	Light Source Unit	1 set
UA-13	Transurethral Operating Table	1 unit
UA-14	Fiber Optic Light Guide Bundle	1 pc.
UA-15	Formalin Gas Sterilizer	1 unit
UA-16	Electrosurgical Unit for Resection	1 unit
UA-17	Bladder Evacuator	3 sets
UA-18	Bladder Retractor	2 sets
UA-19	Kidney Clamp	2 sets
UA-20	Ureteral Stone Forceps	2 sets
UA-21	Kidney Stone Forceps	2 sets
UA-22	Ureteral Stone Dislodger	6 sets
UA-23	Catheter Stylet	6 sets
UA-24	Urethral Bougie, Guyon's Set	1 set
UA-25	Penis Clamp	6 sets
UA-26	Urethral Foreign Body Forceps	2 sets
UA-27	Infusion Pump	1 unit
UA-28	Endoscopic Examining Chair	1 unit
UA-29	Hemo Dialysis System	4 units

Department of Out-Door Patient

CODE NO.	GENERIC TITLE	Q'TY
V-1	B.P. Apparatus	49 units
V-2	Examining Couches	49 units
V-3	Stethoscope	49 units
V-4	Film Illuminator	49 units
V-5	Screen	50 units
V-6	Clinical Thermometer	120 pcs.
V-7	Wall Clock	50 pcs.
V-8	Weighing Machine	20 units
V-9	Revolving Stool for Patients	50 units

Fire Extinguishing System

CODE NO.	GENERIC TITLE	Q'TY
W-1	Fire Alarming System	219 pcs.
W-2	Fire Extinguishers	1 system

Transportation & Other Machinery

CODE NO.	GENERIC TITLE	Q'TY
X-1	Staff Car 1000cc Diesel	1 car
X-2	Truck 4000cc Diesel	1 car
X-3	Pick Up 1600-2000cc Diesel	1 car
X-4	Vacuum Cleaner (Heavy Duty)	32 units
X-5	Heavy Duty Blower	5 units

Nursing Unit II (Lift)

CODE NO.	GENERIC TITLE	Q'TY
Y-1	Patient's Lift	3 units

Department of Obstetrics & Gynaecology

CODE NO.	GENERIC TITLE	Q'TY
Z-1	Yanagi's Varginal Speculum, medium size	12 pcs.
Z-2	Kinoshita's Surgical Varginal Retractor, medium size ..	12 pcs.
Z-3	Cusco's Varginal Speculum large, medium, small	12 each
Z-4	Martin Tenaculum Forceps	4 pcs.
Z-5	Muzeu's Vulsellum Forceps	4 pcs.
Z-6	Uterine Tissue Forceps	4 pcs.
Z-7	Uterine Probe	2 pcs.
Z-8	Foester's Sponge Forceps	6 pcs.
Z-9	Bozeman's Uterine Dressing Forceps	2 pcs.
Z-10	Uterine Dilators	6 sets
Z-11	Biopsy Punch	4 pcs.
Z-12	Uterine Biopsy Punch	4 pcs.
Z-13	Biopsy Curret	3 pcs.
Z-14	Biopsy Curret	3 pcs.
Z-15	Kobak's Needle	6 pcs.
Z-16	Constrast Medium Infusion Set	2 sets
Z-18	Jomu Type Uterine Curret	2 pcs.
Z-19	Uterine Currete,	
	large,	2 pcs.
	medium,	6 pcs.
	small size	2 pcs.
Z-20	Bumm's Uterine Curret, medium size	6 pcs.
Z-21	Olshausen's Uterine Curret, medium, small size	3 each
Z-22	Segon's Tumor Screw	4 pcs.
Z-23	Thomas Uterine Tissue Grasping Forceps	6 pcs.
Z-24	Hysterectomy Forceps	36 pcs.
Z-25	Alexander's Operating Retractor	4 pcs.
Z-26	Ando's Abdominal Retractor, large, small size	2 each
Z-27	Bolfour's Abdominal Retractor	4 pcs.
Z-28	Abdominal Retractor	4 pcs.
Z-29	Varginal Spatura	4 pcs.
Z-30	Masson's Diamond Jaw Needle Holder	6 pcs.
Z-31	Uterotubal Holding Forceps	4 pcs.
Z-32	Mayo's Scissors	12 pcs.
Z-33	Sim's Uterine Scissors	6 pcs.
Z-34	Sim's Uterine Scissors	4 pcs.

Z-35	Obstetric Stethoscope (White Resin Made)	12 pcs.
Z-36	Vaginal Forceps	4 pcs.
Z-37	Vaginal Prosthesis, each size	1 each
Z-38	Kogan's Endocervical Speculum Forceps	4 pcs.
Z-39	Backhaus's Towel Forceps	24 pcs.
Z-40	Kocher's Hemostatic Forceps	12 each
	straight 14.5cm	
	straight 18.5cm	
	straight 21.0cm	
Z-41	MM Type Hysterectomy Forceps	12 pcs.
Z-42	Saenger's Retractor 38mm	4 pcs.
Z-43	Mosquito's Hemostatic Forceps, curved, straight	36 each
Z-44	Kocher's Hemostatic Forceps, curved, straight	12 each
Z-45	Stereoscopic Colposcope	1 unit
Z-46	Dopplar Fetal Heart Detector	6 units
Z-47	Kymographic Infflation Apparatus	1 unit
Z-49	Ballon Catheter	1 pc.
Z-52	Hysteroscope System	1 unit
Z-58	Birth Calender	6 pcs.
Z-62	Simpson's Obstetric Forceps	4 pcs.
Z-63	Kielland Obstatric Forceps	4 pcs.
Z-64	Braun's Decapitation Hook	1 pc.
Z-65	Smellie's Obstetric Hook	1 pc.
Z-66	Naegele's Perforator	1 pc.
Z-67	Abortion Canula Set	2 sets
Z-70	Fetal Monitor	4 units
Z-71	Linear Scan	2 units
Z-72	Portable Vacuum Pump	2 units
Z-73	Breast Massaging & Milking Unit	2 units
Z-74	Breast Pump	2 units
Z-76	Obstetric/Gynae Suction Unit	2 units
Z-79	Infant Care System	1 unit
Z-81	Neonatal Monitor	1 unit
Z-82	Infant Transportation Incubator	1 unit
Z-84	Continous Lowpressure Aspirator	1 unit
Z-85	Infant Resucitation Bag	4 units
Z-87	Infant Ventilator	1 unit
Z-88	Baby Stethoscope	2 pcs.
Z-89	Infusion Pump	4 pcs.

Z-90	Miller's Laryngoscope Set	4 pcs.
Z-91	Cesarean Incision Set	6 sets
Z-92	Baby Scale	2 units
Z-96	Dressing Cart	2 units
Z-97	Nebulizer Pump	2 units
Z-98	Colposcope	1 unit
Z-99	Electrosurgical Unit	1 unit
Z-100	Endoscope Screen Viewer	1 pc.
Z-101	Foot Stool	4 pcs.
Z-102	Baby Cot	20 units
Z-103	Baby Laryngoscope	2 pcs.
Z-104	Dressing Drum	10 pcs.
Z-105	Chittle Forceps	8 pcs.
Z-106	Flying Squad System	1 system

6. Minutes of Discussions

[Final Confirmation of Equipment List]

BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT
FOR PUNJAB MEDICAL COLLEGE (PHASE-II)
IN
THE ISLAMIC REPUBLIC OF PAKISTAN
(CONSULTATION ON DRAFT REPORT)

Final Confirmation of Equipment List

(This Equipment List follows from page.114 and is the part of
Draft Report of the Basic Design Study .)

Faisalabad , April 13 , 1991

*Note: We revised evaluations and corrected results
with white fluid for following items:
A-14, B-2, B-3, M-9, P-51, P-52, P-53, P-81
P-83, P-87, P-88, P-104, P-107, P-108, VA-29 A*

Apr. 13, 1991

Koichi Nobutomo

Dr. Koichi Nobutomo
Leader ,
Draft Report Explanation Team
JICA

17251
13.4.91

Dr. Muhammad Zafar Chaudhry
Principal ,
Punjab Medical College

1991. Apr. 13.

Akira Sato

Mr. Akira Sato .
Chief Consultant ,
Draft Report Explanation Team
JICA

13.4.1991

Dr. Iftikhar Ahmed Cheema
Medical Superintendent ,
Allied Hospital ,
Punjab Medical College

NOTE ; SELECTION CRITERIA

- (1) More efficient maintenance .
 - 1) The existing capacity .
 - 2) Appropriateness in the view of the running cost and available financial resources .
 - 3) Procurement of the spare parts and consumables .
- (2) More frequent using .
- (3) Priorities of the needs of the target population and the expected roles of the Allied Hospital .
- (4) Confirmation of the building works at the time of draft report explanation
- (5) Availability in local markets.
- (6) Building equipment which should be installed and maintained by construction side.
- (7) Not produced in the related firms.
- (8) Technical Institute proper equipment.

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Selection of equipment

The Basic Design Team has considered the content of the request from the Pakistan Side and made the following evaluation table based on the afore said standards for selection of equipment.

The following Code, *E* means *Excluded*.

Diagnostic Dept.	Name of equipment requested	Selection standards								Evaluation
		1	2	3	4	5	6	7	8	
ENT Dept.	A-1 Examination Light									
	A-2 Laryngoscope Set									
	A-3 Nebulizer Pump									
	A-4 Audiometer for Adult with Sound Proof									
	A-5 Prefabricated Room Audiometer for Infant									
	A-6 Overhead Projector									
	A-7 Side Projector									
	A-8 Projector Screen									
	A-9 Slide Cabinet									
	A-10 ENT Teaching Model									
	A-11 Video Cassete Recorder & Monitor (VHS) with Stand									
	A-12 Instrument Sterilizer -1									
	A-12 High Pressure Steam -2 Sterilizer with Stand									
	A-13 Electronistagmograph with Table									
	A-14 Multipurpose Surgical Laser (Yag Type)	1	2							E

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Ophthalmology

Dept.

B-1	Linear Electronic Ultrasound Scanner for Ophthalmology			
B-2	Laser Coherent	1	2	E
B-3	Laser Yag for Ophthalmology	1	2	E
B-4	Ocutome with Table			
B-5	Perimeter with Table			
B-6	Hand held Appalanation Tonometer			
B-7	Portable Slit-Lamp Microscope			
B-8	Synaptophore with Table			
B-9	Opthalmometer with Table			
B-10	Specular Microscope with Table & Camera			
B-13	Photo Slit-Lamp Microscope with Camera and Table			
B-14	Gonioscope with Prism			

Orthopaedic

Dept.

C-1	Prosthesis Operating Instrument Set	7		E
C-2	Hip Prosthesis Operating Instrument Set, Som-Type	7		E
C-3	Hip Compression Instrument Set			
C-4	Sliding Nail Plate Set			
C-5	Dynamic Compression Plate Set			
C-6	Compression plate Set K-U, M, J-O Type			
C-7	Orthopaedic Operating Instrument Set			

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- C-8 Operating Instrument
Set for Wiring
- C-9 Operating Instrument
Set for Neuisection
- C-10 Operating Instrument
Set for External Fixator
(Tubular System)
- C-11 Operating Instrument Set
for Laminectomy
- C-12 Operating Instrument Set
for Spinal Fusion
- C-15 Spinal Cord Traction
Frame
- C-17 Operating Instrument Set
for Orthopaedic
- C-18 Operating Instrument Set
for Removal of Broken
Screws
- C-19 Operating Instrument Set
for Bone Fracture
- C-20 Operating Instrument Set
for Small Fragment and
Mini Implant
- C-21 Operating Instrument Set
for Lengthening of
Extremities
- C-22 Electric Universal Bone
Saw
- C-23 Operating Instrument Set
for Skin Graft
- C-24 Slide Projector 35mm
Slide
- C-25 Overhead Projector
- C-26 Projector Screen
- C-27 Electric Torch Light
Pointer for Slide
Demonstration

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- C-28 Orthopaedic Plaster
Room Equipment
- C-29 Cloverleaf Kuntscher
Intramedullary Nail,
straight
- C-30 Cloverleaf Kuntscher
Intramedullary Nail,
for Tibia
- C-31 MR-500 Intramedullary
Nail
- C-32 Penumatic Tourniquet
- C-33 Pelvic Traction Belt
- C-34 Overhead Traction Frame
- C-35 Operating Instrument Set
for Knee Prosthesis
- C-36 Orthoscope with Camera
and Light Supply Unit
- C-37 Operating Instrument Set
for Hand Surgery
- C-38 Operating Instrument Set
for Micro Vascular
Surgery

Dermatology
Dept.

- D-1 PUVA Therapy Unit
- D-2 8mm Film Movie Projector
- D-3 Slide Projector
- D-4 Overhead Projector
- D-5 35mm Camera with Micro
Lense & Strobe
Attachment
- D-6 Patch Test Kit
- D-8 Binocular Microscope
- D-9 Loupe
- D-10 Panjet Injector
- D-11 Small Operating
Instrument Set
- D-12 Airway

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D-13 Tongue Depressor
 D-14 Ophthalmoscope
 D-15 Screen
 D-16 Reflector
 D-17 Fluorescence Microscope
 D-18 High Pressure Steam
 Sterilizer with Stand
 D-19 Centrifuge
 D-20 Incubator with Stand
 D-21 Drying Oven
 DA-22 Electrocautery Unit
 DA-23 Cryo Surgery Set
 DA-24 Woods Lamp

Neurosurgery

Dept.

E-3 Trawers Self Retaining
 Retractor
 E-4 Buchanan Trephine for
 Paediatric
 EA-6 Tube and Connector for
 V-A Shunt
 EA-7 Ventricular Drainage Set
 EA-8 Head Holder
 EA-9 Bipolar Coagulator
 EA-10 Operating Microscope
 EA-11 Microsurgery Instrument
 Set
 EA-12 Aneurysm clipps C Set
 Applicator
 EA-13 Sugita Aneurysm
 Removing Forceps
 EA-14 Aneurysm Clipps
 EA-15 Tokyo Uni, Pattern
 Transspenoidal Pitutary
 Instruments
 EA-16 Anterior Cervical
 Fusion Set
 EA-17 Spinalcurve Frame

7 E

7 E

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EA-18 Forceps Set for
Intervertebral disc

EA-19 Rongeur Beyer Type

EA-20 Stryker Wedge Turning
Frame

EA-21 Nerve Root Retractor

EA-22 Double Action Pin Cutter

EA-23 Weitlaner's Retractors

EA-24 Kerison Punches, 3 types

EA-25 Craniotomy Set, 6 kinds

EA-26 Laminectomy Set

EA-27 Kerison Punches, 3 types

EA-28 Forceps for
Intervertebral disc

EA-29 V-A Shunt System,
4 kinds

EA-30 V-A Shunt Control for
Infant

EA-31 Ventricular Drainage Set

EA-32 Diagnostic Set

EA-33 Critical Care Ventilator

EA-34 Cardiac Monitor

EA-35 Laryngoscope, 2 kinds

EA-36 Endotracheal Tubes
Plastic with Cuff

EA-37 Curved Catheter Connector

EA-38 Straight Catheter
Connector

EA-39 Magill Forceps

EA-40 Breathing Bags, 5 sizes

EA-41 Anaesthetic Mask, 4 sizes

EA-42 Anaesthetic Mask, infants

EA-43 Berman Airway, 3 sizes

EA-44 Tube Connector

EA-45 Corrugated Breathing
Tube, 2 sizes

EA-46 Resuscitator

7 E

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Plastic Surgery

Dept.

- F-1 Mosquit's Forceps
Straight Teeth & Corved
Teeth
- F-2 Onitsuka's Mouth Gag with
3 kinds of Tongue Plate
- F-3 MC Inloe Dissection
Forceps
- F-4 MC Inloe Dissection
Forceps
- F-5 Adson Dissecting Forceps
- F-6 Adson Dissecting Forceps
- F-7 Kilner Straight Scissors
- F-8 Kilner Skin Retractor
- F-9 Kilner Curved Scissors
- F-10 Kilner Nasal Retractor
- F-11 Bipolar Coagulator Unit
- F-12 Straight Bipolar Forceps,
4 different sizes
- F-13 Gilles Fines Stem Hook
- F-14 Kilner Alae Retractor
- F-15 Kilner Needle Holder
- F-16 Kilner Suction Tube
- F-17 Cobbett Modified Brailt
with Stem Graft Knife
with 10 sterib Blades
- F-18 Cryo Surgery Set
- F-19 Morotomi's Mesh Graft
Dermatome
- F-20 Eckhoff Mapping Pen
with Nib
- F-21 Metal Nib
- F-22 Suture Needle for Plastic
Surgery Round Shape Type,
10 different sizes
- F-23 Dennis Brown Cleft Palate
Resparatory

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F-24 Dennis Brown Cleft Palate
 Respiratory
 F-25 Baron Palate Dissectors
 Set
 F-27 Electro Surgical Unit
 F-28 Micro Surgery Instrument
 Set
 F-29 Standard Set for
 Harelipand Cleft Palate
 F-30 Standard Set for
 Rinoplasty
 F-31 MC Indoc Nasal Chisels
 F-32 Silver Nasal Chisel
 F-33 Jenkins Couges
 F-34 Angular Scissors
 F-35 Plastic Surgery
 Instrument Set
 F-39 Knapp Scissors
 F-40 Suction Tube
 F-41 Mallet
 FA-43 Super Speed Dermal
 Grinding Unit

Chest Surgery /
 Medicine Dept.

G-1 Diagnostic Set
 G-5 Trocar
 G-6 Biopsy Needle
 G-7 Pulmo Tester
 G-8 Suction Unit
 G-9 E.C.G. Analyzer
 G-10 Manual Resuscitator
 GA-11 Broncho Fiberscope with
 Endoscopic Illuminator
 /Stand
 GA-12 Nebulizer Pump
 GA-13 Endotracheal Tube Set
 GA-14 Laryngoscope Set with
 Blade/Batteries

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Oral Surgery

Dept.

H-1	Chair Mount Unit		
	Signogrand		
H-2	Operating Stool		
H-3	Yag SLT Contact Laser	1 2	E
H-4	Dental Treatment Cabinet		
H-5	Full Automatic Sterilizer		
H-6	Dry Heat Sterilizer		
H-7	Hand Sterilizer		
H-8	Radio Visio Graphy		
H-9	Direct Current System		
	Dental Panoramic X-Ray		
	Apparatus		
H-10	Film Cassette for		
	Panoramic		
H-11	Flat Film Cassette for		
	Cephalo		
H-12	X-Ray Film Automatic		
	Processor		
H-13	Dental X-Ray Apparatus		
H-14	Dental Fiberscope System		
H-15	Ultrasonic Scaler		
H-16	Ultrasonic Root Canal		
	Apparatus		
H-17	Induction Apparatus		
H-18	Light Curing Apparatus		
H-19	Multipurpose Diagnostic		
	Apparatus		
H-20	Root Canal Enlargement		
	& Filling System		
H-21	Electric Pulp Tester		
H-22	Amalgam Mixer		
H-23	Amalpac Set		
H-24	Laboratory Micromotor		
H-25	Light Curing Apparatus,		
	Checking Unit		
H-26	Stainless Cup		

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H-27	Magnetic Bur Stand		
H-28	Rubber Dem Clamp Set		
H-29	Electro Surge Operer		
H-30	Caries Diagnostic Meter		
H-31	Prophylaxis Cleaner		
H-32	Mandrels		
H-33	Diamond Discs		
H-34	Brush Cone		
H-35	Tooth Brushing Study Model		
H-36	Lead Numbre for Intra Oral Exposures		
H-37	Film Holder for Bite Wing Exposures		
H-38	Micro E Drill		
H-39	Micro E Sagittal Saw		
H-40	Micro E Reciprocaiting Saw		
H-41	Micro E Wiredriver		
H-42	Micro E Oscillating Saw		
H-43	Micro E Controller		
H-44	Sterilization Container	7	E
H-45	Holding Clamp	7	E
H-46	Filter Kit		
H-47	Cyst Curette		
H-48	Cyst Curette		
H-49	Long Steel Scope		
H-50	Clouston Walker Modified Fixation Apparatus		
H-51	Royal Berkshire Hospital Model Halo Frame		
H-52	Dal Pont Hooks	7	E
H-53	Dal Pont Hooks	7	E
H-54	Dal Pont Hooks	7	E
H-55	Wordsley Mandibular Set		

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H-56	Bowerman and Conroy Sectional Implants		
H-57	Rowe Screw Holding Forceps		
H-58	Williams Automatic Screw Holding Screw Driver		
H-59	Harrison Mandible Holding Forceps		
H-60	Seldin Mandible Holding Forceps		
H-61	Toller Maxillary Fracture Reduction Forceps		
H-62	Indoe Lion Forceps		
H-63	Rowe Disimpaction Forceps		
H-64	Hayton Williams Forceps		
H-65	Rowe Disimpaction Forceps		
H-66	Hayton Williams Forceps		
H-67	Rowe Zygomatic Elevators		
H-68	Kilner Malar Elevators		
H-69	Bristow Malar Elevators		
H-70	Wire Loop Forceps		
H-71	Osteotome		
H-72	Tessier Maxillary Mobiliser		
H-73	Tessier Maxillary Mobiliser		
H-74	Maddan Maxillofacial Retractor	7	E
H-75	Rowe Zygomatic Arch Awl		
H-76	Ward Cheek Retractor		
H-77	Mouth Props	7	E
H-78	Mouth Props	7	E
H-79	Mouth Props	7	E
H-80	Weislander Retractor	7	E
H-81	Killian Nasal Speculum	7	E

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H-82 Intra Osseous Blade
Implants Set
H-83 Complete Instrument Set
for Intra Osseous Blade
Implants
H-84 Injection Carriage
Syringe
H-85 Disposable Needles
H-86 Disposable Needles
H-87 Periosteal Elevators
H-88 Elevators
H-89 Elevators
H-90 Elevators
H-91 Elevators
H-92 Elevators
H-93 Root Tip Pick
H-94 Tooth Forceps for Upper
Incisor and Canines
H-95 Tooth Forceps for Upper
Incisor and Canines
H-96 Tooth Forceps for Upper
Incisor and Canines
H-97 Tooth Forceps for
Bicuspids and Molars
H-98 Tooth Forceps for
Bicuspids and Molars
H-99 Tooth Forceps for
Bicuspids and Molars
H-100 Tooth Forceps for
Bicuspids and Molars
H-101 Tooth Forceps for Wisdom
Teeth
H-102 Tooth Forceps for Wisdom
Teeth
H-103 Tooth Forceps for Wisdom
Teeth
H-104 Tooth Forceps for Upper
Roots

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H-105 Tooth Forceps for Upper
Roots
H-106 Tooth Forceps for Upper
Roots
H-107 Tooth Forceps for Upper
Roots
H-108 Tooth Forceps for Upper
Roots
H-109 Tooth Forceps for Upper
Roots
H-110 Tooth Forceps for Lower
Incisor Caninas and
Bicuspid
H-111 Tooth Forceps for Lower
Incisor Caninas and
Bicuspid
H-112 Tooth Forceps for Lower
Incisor Caninas and
Bicuspid
H-113 Tooth Forceps for Lower
Incisor Caninas and
Bicuspid
H-114 Tooth Forceps for Lower
Incisor Caninas and
Bicuspid
H-115 Tooth Forceps for Lower
Molars
H-116 Tooth Forceps for Lower
Molars
H-117 Tooth Forceps for Lower
Molars
H-118 Tooth Forceps for Lower
Molars
H-119 Surgical Blade Holder
H-120 Surgical Blades
H-121 Surgical Blades
H-122 Surgical Blades
H-123 Surgical Blades Remover

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H-124 Bone Curette Schedules
H-125 Double End Curette Set
H-126 Tissue Retractors
H-127 Tissue Retractors
H-128 Retractors
H-129 Sugarman File
H-130 Bone File
H-131 Bone File
H-132 Needle Holders,
 straight
H-133 Needle Holders,
 curved
H-134 Surgery Mallets
H-135 Gum Scissors Set
H-136 Scissors
H-137 Needle Holders
H-138 Double End Explorer
H-139 Periodontal Probes
H-140 Dental Mirror
H-141 Dressing Pliers
H-142 Gum Retractor
H-143 Gum Retractor
H-144 Instrument Set for
 Treatment at Patient
 Home
H-145 Plastic Cheek Retractor
H-146 Denhalt Mouth Opener
H-147 Tongue Guard
H-148 Double End Excavators
H-149 Double End Cement
 Spatula
H-150 Lining Applicator
H-151 Proximal Filling
 Instrument
H-152 Amalgam Carrier
H-153 Double End Amalgam
 Pluggers
H-154 Double End Amalgam

- I-13 Ophthalmoscope with
Hallogen Lamp
- I-15 Manual Resuscitator
- I-16 Laryngoscope with
3 brades
- I-18 Anaesthesia Apparatus
- I-19 Sponge Holding Forceps
- I-20 Electro Convulsive
Theraphy Machine
- I-21 Couch for ECT
- I-22 Couch for Hypnosis
- I-23 Tape Recorder
- I-24 Video Cassette Recorder
with Movie Camera/Monitor
- I-26 Overhead Projector
- I-27 Slide Projector
- I-28 High Pressure Steam
Sterilizer
- I-29 Personal Computor
- I-30 Photocopy Machine
- I-33 Kits & Relavent
Literature

Drug Abuse
Treatment Centre
Dept.

- J-10 Tuning Forks
- J-11 Tongue Depressor
- J-12 Breathing Bag
- J-13 Sponge Holding Forceps
- J-14 High Pressure Steam
Sterilizer
- J-16 Corch for Relaxation
Exercises
- J-17 Corch for Hypnosis
- JA-18 Thin Layer Chromatograph

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Burnisher

H-155 Amalgam Carver
H-156 Amalgam Carver
H-157 Matrix Retainer
H-158 Matrix Bands
H-159 Matrix Retainers
H-160 Matrix Bands
H-161 Tooth Separator
H-162 Tooth Separator
H-163 Hygienist Scaler Set
H-164 Pyorrhea Scaler Set
H-165 Pyorrhea Scaler Set
H-166 Perio Surgical
Instrument Set

H-167 Root Canal Length
Indicator
H-168 Endodontic Kit
H-169 Spreader
H-170 Gutta Percha Instrument
H-171 Root Cannal Pluggers
H-172 Root Cannal Dropper
H-173 Nerve Broach
H-174 Nerve Broach with Handle
H-175 Lentulo Poste Carrier
H-176 Flaxo Reamer
H-177 Flexo File

Psychiatry
Depty.

I-1	Instrument Troll	2 3	E
	Percussor		
I-2	Strobotest/Storobon	2 3	E
	Apparatus		
I-8	Intubation Tubes		
I-9	Airways, each sizes		
I-11	Tuning Forks		
I-12	Tongue Depressors		

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Ward
Dept.

K-1	Bad with Matress & Bedside Safty		
K-2	Stool Locker		
K-3	Overbed Table		
K-4	Pillows (60cm x 30cm)	5	E
K-5	Bed Sheet (white color)	5	E
K-6	Pillow Cover (white color)	5	E
K-7	Transfusion Stand		
K-8	Screen Partition		
K-9	Urinal Set Bedpan -male- 5 pcs./set Bedpan -female- 5 pcs./set Urinal ss -male- 5 pcs./set Urinal ss -femele- 5 pcs./set		
K-11	Enema Can Set		
K-12	Hot Water Bottle with Grip		
K-13	Blanket	5	E
K-14	Clinical Thermometer	5	E
K-15	Stethoscope		
K-16	Sphygmomanometer		
K-17	Bucket	5	E
K-18	Bedside Cabinet		
K-19	Folding Chair for Teaching Purpose		
K-20	Refrigerator without Freezer		
K-21	Medicine Cabinet		
K-22	Ultrasonic Nebulizer		
K-23	Treatment Carriage		

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K-24	Instrument Table with Wheel		
K-25	Laundry Cart		
K-26	Waste Receptacle		
K-27	Wheel Chair for Adult with Spare Tyer		
K-28	Invalid Walker		
K-29	Oxygen Tent		
K-30	Instrument Tray Set		
K-31	Patient Stool		
K-32	Examination Table		
K-33	Strecher with Wheel Trolly		
K-34	Weighing Machine		
K-35	Wall Clock	5	E
K-36	Doctor Consulting Chair with Desk	5	E
K-37	Oxygen Cylinder with Trolly		
K-38	Film Illuminator for 3 Films		
K-39	Double Basin Stand with Basins		
K-41	B.P. Apparatus, wall mounted type		
K-42	B.P. Apparatus, stand type		
K-43	Instrument Cabinet		
K-44	Television Monitor	5	E
K-45	Suction Unit		
K-46	Ice Cube Machine		
K-47	Ward Instrument Set		
K-48	Bed for Coronary Care Unit		
K-50	Traction Frame with Weight		
K-52	Ophthalmoscope		

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- K-53 Laryngoscope Set
- K-54 Ambu Bag
- K-55 Blood Gas Analyzer
- K-56 Emergency Light

Radiotherapy &
Nuclear Medicine

Dept.

- | | | | |
|------|---|-------|---|
| L-1 | Survey Meter for Beta
and Gamma Radiation | 3 4 | E |
| L-2 | Radio Isotope Dose
Calibration | 3 4 | E |
| L-3 | Laboratory Monitor
for Beta and Gamma
Radiation Monitoring | 3 4 6 | E |
| L-4 | Pocket Dosimeter,
Gamma X-Rays | | |
| L-5 | Charger for Pocket
Dosimeter | | |
| L-7 | Cobalt-60 Rotational
Telotherapy Unit
5000 Curing Source with
TV Monitor | | |
| L-8 | Essential Operating
Theater Equipment | | |
| L-9 | Simulator | | |
| L-10 | Dosimetric Equipment | | |
| L-11 | Water Phantom | | |
| L-12 | Remote After Loading
System | | |

CCU

Dept.

- M-1 Bedside Monitors with
Central Monitor
(Central Monitor....1,
Bedside Monitor...4/Unit)

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- M-2 E.C.G. Pressure Monitoring
- M-3 E.C.G. Machine, Single Channel
- M-5 Central Air-conditioning System
- M-6 Asrhythmia Unit
- M-7 Resuscitation Unit
- M-8 Emergency Trolley
- M-9 Ambulance with Furnished Medical Equipment

Physiotherapy
Dept.

- N-1 Microwave Therapy Apparatus
- N-2 Transcutaneous Stimulator
- N-3 Hirschman's Galvanization
- N-4 Ultrasonic Apparatus
- N-6 Neodynator for Application of Dynamic Currents
- N-7 Mobile Underwater Massage Unit
- N-8 Metro Massage Apparatus
- N-10 Ergometer
- N-11 Traction Table
- N-12 Standing Bed Traction Bed for Versatile Use
- N-13 Shoulder Wheel
- N-14 Parallel Bar for Adult
- N-15 Parallel Bar for Children
- N-16 R.S.C. Pull/Armour Exerciser with Weight
- N-17 Variweight Boot and Weight
- N-18 Rowing Machine
- N-19 Wrist Rotator
- N-20 Grip Dynamometer

K.N.

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9/13/61 #

- N-21 Bicycle Exerciser
- N-22 Mirror for Posture
Training
- NA-23 Portable Ultrasound
Therapy Unit
- NA-24 Infra-red Laser Therapy
Unit

Mortuary
Dept.

- O-1 Mortuary Refrigerator
for 2 bodies
- OA-2 Autopsy Table,
Straight Shape

Workshop

- P-1 Memory Scope
- P-2 Digital Voltmeter
Bench Type
- P-3 Digital Tong Tester
- P-4 Frequency Tester
- P-5 Frequency Counter
- P-6 Resistance Tester
(Insulation Tester)
- P-7 Ground Resistance Tester
with Optional Accessories
- P-8 Oscilloscope
- P-9 Colour Pattern Generator
- P-10 Short Circuit Detector
- P-11 Multimeter Electronic
- P-12 I.C. Tester 40 Pins
Digital
- P-13 Transistor Tester,
Digital
- P-14 Tube Tester
- P-15 High Voltage Probe
- P-16 Impedance Bridge
- P-17 OP Amp Tester

8 E

8 E

8 E

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P-18	Earth Tester with Optional Accessories		
P-19	RPM Meter		
P-20	Portable Calibrator		
P-21	Sound Level Meter with Access		
P-22	Synchrone Scope 220V	8	E
P-23	Hydrolic Press	8	E
P-24	Lux Meter	8	E
P-25	Galvanometer	8	E
P-26	Potentiometer D.C.	8	E
P-27	Decade Resistance	8	E
P-28	Pneumatic Pressure Standard	8	E
P-29	Digital Power Factor Meter	8	E
P-30	Lathe Machine	8	E
P-31	Power Press	8	E
P-32	Soldering Station	8	E
P-33	De Soldering Tools		
P-34	KVP Meter		
P-35	Welding Transformer	8	E
P-36	Gas Welding & Cutting Sets	8	E
P-37	Shaper	8	E
P-38	Hydraulic Press	8	E
P-39	Milling Machine	8	E
P-40	Honing Machine	8	E
P-41	Air Compressor Tank	8	E
P-42	Electric Drill Machine, Gear & Stand Type		
P-43	Vacuum Pump Set		
P-44	Armature & Winding Machine	8	E
P-45	Hammer Drill Machine	8	E
P-46	Vibrator Drill	8	E
P-47	Electric Drill Machine (Hand Type)		

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1/2 JK 13/4/91 #

P-48	Electric Drill Machine (Stand Type)	8 E
P-49	Channel Type Chain Block (3 Ton Capacity)	8 E
P-50	Grinder Hand Type	8 E
P-51	Grinder Table Type	
P-52	Bench Vice	
P-53	Hand Vice	
P-54	Pipe Bender Different Size	8 E
P-55	Steel Cutter	8 E
P-56	Electric Screw Driver	
P-57	Gas Leak Deducted (Electronic)	8 E
P-58	Gas Injector Adopter (Freen Gases)	8 E
P-59	Density Meter	8 E
P-60	Voltage Sterilizer (50-A)	8 E
P-61	Voltage Sterilizer (25-A)	8 E
P-62	Voltage Sterilizer (10-A)	8 E
P-63	Voltage Sterilizer (5-A)	8 E
P-64	Electric Hacksaw	
P-65	Reamer Set	
P-66	Threading Tools Different Sizes for Lathe	
P-67	Threading Dye in MM and Standard Sizes	
P-68	Micro Meter	8 E
P-69	DC Power Supplies	8 E
P-70	Hydraulic Trainer	8 E
P-71	Air Pressure Automatic Control Training	8 E
P-72	Sequence Control Trainor	8 E
P-73	Semi Conductor Trainor	8 E

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P-74	Pulse Circuit Trainor	8 E
P-75	Operational Amplifire Trainor	8 E
P-76	Oscillator Circuit Trainor	8 E
P-77	Logic Circuit Trainor	8 E
P-78	Transistor Circuit Trainor	8 E
P-79	Electrical System Trainor	8 E
P-80	Multy Function Meter	8 E
P-81	Digital X-Ray Exposur Timer	
P-82	Digital mAs Meter	8 E
P-83	Automatic Exposur Control Analyzer	
P-84	Rad Check Tm Plus	8 E
P-85	Optional Remote Detector	8 E
P-86	Silicon X-Ray Sensor	8 E
P-87	Wisconsin KVP Test Cassette	
P-88	Colimeter and Beam Allignment Test Tools	
P-89	Radiographic Aluminum Stepwedge	8 E
P-90	Attenuator Sets	8 E
P-91	Highcontrast Resolution Test Tools	8 E
P-92	Low Contrast Resolution Test Tools	8 E
P-93	Grid Alignment Test Tool	8 E
P-94	Tomographic Test Tools	8 E
P-95	Film Screen Contact Test Tools	8 E
P-96	Angiography (DSA) Phantom	8 E
P-97	Angiography (DSA) Phantom	8 E
P-98	Chest Unit Qckit	8 E
P-99	Radiographic Phantom	8 E

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P-100 Dental QA Phantom	8 E
P-101 Radiographic/Flouro Kit	8 E
P-102 X-Ray Test Patterns	8 E
P-103 Beam Alignment/Arm Punch	8 E
Test Tools	
P-104 E.C.G. Simulator	
P-105 Blood Pressure System	8 E
Calibrator	
P-106 Multiparameter Simulator	8 E
with Blood Pressure	
P-107 Electrical Safety	
Analyzer	
P-108 E.C.G. Machine Monitor	
Analyzer	
P-109 Digital Ultrasound	8 E
Wattmeter	
P-110 Defibrillator Analyzer	
P-111 Digital Tachometer	8 E
P-112 Oxygen Monitor	8 E
P-113 Arrhythmia/E.C.G.	8 E
Simulator	
P-114 Electrosurgery Analyzer	8 E
P-115 Ventilator Tester	8 E
P-116 Diathermy Analyzer	8 E
P-117 Laser Power Meter	8 E

Radiology

Dept.

R-1	Ultrasound Apparatus (Linear & Sector)
R-2	Refrigerator
R-3	Stretcher Trolley
R-4	X-Ray Diagnostic Apparatus 500mA
R-5	Slide Projector
R-6	X-Ray Film Projector
R-7	Camera for Clinical X-Ray Film with Flash and Stand

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- R-8 X-Ray Film Illuminator
- R-9 Wheel Chair
- R-10 Whole-Body CT Scanner

Anaesthesiology

Dept.

- S-1 Infant Ventilator
- S-2 Sphygmomanometer
Electric
- S-3 Bedside Monitor
- S-4 Central Nitrous Oxide
Supply for 20 Operation
Theatres
- S-5 Fiberoptic Laryngoscope,
Light Sorce
- S-7 Breathing Bag
- S-8 Electrolyte Analyser
- S-9 Lung Function Test
Machine
- S-10 Ambu Bag for Adult
- S-11 Ambu Bag for New-born
Baby

Paediatrics

Dept.

- T-1 Oxygen Monitor with
Hi-Lo Alarms
- T-3 Infant Warmer
- T-5 Phototherapy Unit
- T-7 Ultrasound System for
Cardiology and Abdoman
- T-8 Intermittent Positive
Airway Pressure System
- T-10 Microscope
- T-11 Ophthalmoscope
- T-12 Infant Weighting and
Measuring Machine
- T-13 HB Meter
- T-14 Resuscitator of
Newborn & Infant

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- T-16 Infant Intubation Set
- T-18 Examining Table
- T-19 Neonatal Monitor
- T-20 Neonatal Respiration
and Apnea Monitor
- T-22 Paediatric Resuscitation
Trolley

Surgery
Dept.

- UA-1 Instrument Set for
Microsurgery
- UA-2 Microsurgery Set for
Gynaecology
- UA-3 Binocular Roope
- UA-4 Binocular Roope
- UA-5 Cystourethroscope Set
- UA-6 Irrigating Cystoscope
- UA-7 Lithotriptoscope
- UA-8 Examining & Double
Cathetrizing Cystoscope
- UA-9 Biopsy Forceps
- UA-10 Resectoscope, Iglesias,
Continuous Irrigation
- UA-11 Visual Urethrotome
- UA-12 Light Source Unit
- UA-13 Transurethral Operating
Table
- UA-14 Fiber Optic Light Guide
Bundle
- UA-15 Formalin Gas Sterilizer
- UA-16 Electrosurgical Unit for
Resection
- UA-17 Bladder Evacuator
- UA-18 Bladder Retractor
- UA-19 Kidney Clamp
- UA-20 Ureteral Stone Forceps
- UA-21 Kidney Stone Forceps
- UA-22 Ureteral Stone Dislodger

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UA-23 Catheter Stylet
 UA-24 Urethral Bougie, Guyon's
 Set
 UA-25 Penis Clamp
 UA-26 Urethral Foreign Body
 Forceps
 UA-27 Infusion Pump
 UA-28 Endoscopic Examining
 Chair
 UA-29 Hemo Dialysis System

1 2

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Out-Door Patient

Dept.

V-1 B.P. Apparatus
 V-2 Examining Couches
 V-3 Stethoscope
 V-4 Film Illuminator
 V-5 Screen
 V-6 Clinical Thermometer
 V-7 Wall Clock
 V-8 Weighing Machine
 V-9 Revolving Stool for
 Patients

5

E

Fire Extinguishing

System

W-1 Fire Alarming System
 W-2 Fire Extinguishers

5 6

E

5 6

E

Transportation &

Other Machinery

X-1 Staff Car 1000cc Disel
 X-2 Truck 4000cc Diesel
 X-3 Pick Up 1600-2000cc
 Disel
 X-4 Vacuum Cleaner
 (Heavy Duty)
 X-5 Heavy Duty Blower

4 5

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4 5

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Nursing Unit II (Lift)

Y-1 Patient's Lift

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5 6

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Obstetrics &
Gynaecology
Dept.

- Z-1 Yanagi's Varginal
Speculum, medium sinze
- Z-2 Kinoshita's Surgical
Varginal Retractor,
medium size
- Z-3 Cusco's Varginal
Speculum large, medium,
small
- Z-4 Martin Tenaculum Forceps
- Z-5 Muzeu's Vulsellum Forceps
- Z-6 Uterine Tissue Forceps
- Z-7 Uterine Probe
- Z-8 Foester's Sponge Forceps
- Z-9 Bozeman's Uterine
Dressing Forceps
- Z-10 Uterine Dilators
- Z-11 Biopsy Punch
- Z-12 Uterine Biopsy Punch
- Z-13 Biopsy Curret
- Z-14 Biopsy Curret
- Z-15 Kobak's Needle
- Z-16 Constrast Medium Infusion
Set
- Z-18 Jomu Type Uterine Curret
- Z-19 Uterine Currete,
large,
medium,
small size
- Z-20 Bumm's Uterine Curret,
medium size
- Z-21 Olshausen's Uterine
Curret, medium,
small size
- Z-22 Segon's Tumor Screw

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Z-23 Thomas Uterine Tissue
 Grasping Forceps
 Z-24 Hysterectomy Forceps
 Z-25 Alexander's Operating
 Retractor
 Z-26 Ando's Abdominal
 Retractor, large,
 small size
 Z-27 Bolfour's Abdominal
 Retractor
 Z-28 Abdominal Retractor
 Z-29 Varginal Spatura
 Z-30 Masson's Diamond Jaw
 Needle Holder
 Z-31 Uterotubal Holding
 Forceps
 Z-32 Mayo's Scissors
 Z-33 Sim's Uterine Scissors
 Z-34 Sim's Uterine Scissors
 Z-35 Obstetric Stethoscope
 (White Resin Made)
 Z-36 Varginal Forceps
 Z-37 Varginal Prosthesis,
 each size
 Z-38 Kogan's Endocervical
 Speculum Forceps
 Z-39 Backhaus's Towel
 Forceps
 Z-40 Kocher's Hemostatic
 Forceps
 straight 14.5cm
 straight 18.5cm
 straight 21.0cm
 Z-41 MM Type Hysterectomy
 Forceps
 Z-42 Saenger's Retractor
 38mm

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Z-43 Mosquito's Hemostatic
 Forceps, curved,
 straight
 Z-44 Kocher's Hemostatic
 Forceps, curved,
 straight
 Z-45 Stereoscopic Colposcope
 Z-46 Dopplar Fetal Heart
 Detector
 Z-47 Kymographic Infflation
 Apparatus
 Z-49 Ballon Catheter
 Z-52 Hysteroscope System
 Z-58 Birth Calender
 Z-62 Simpson's Obstetric
 Forceps
 Z-63 Kielland Obstatric
 Forceps
 Z-64 Braun's Decapitation
 Hook
 Z-65 Smellie's Obstetric Hook
 Z-66 Naegele's Perforator
 Z-67 Abortion Canula Set
 Z-70 Fetal Monitor
 Z-71 Linear Scan
 Z-72 Portable Vacuum Pump
 Z-73 Breast Massaging &
 Milking Unit
 Z-74 Breast Pump
 Z-76 Obstetric/Gynae Suction
 Unit
 Z-79 Infant Care System
 Z-81 Neonatal Monitor
 Z-82 Infant Transportation
 Incubator
 Z-84 Continous Lowpressure
 Aspirator

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Z-85 Infant Resucitation
Bag
Z-87 Infant Ventilator
Z-88 Baby Stethoscope
Z-89 Infusion Pump
Z-90 Miller's Laryngoscope
Set
Z-91 Cesarean Incision Set
Z-92 Baby Scale
Z-96 Dressing Cart
Z-97 Nebulizer Pump
Z-98 Colposcope
Z-99 Electrosurgical Unit
Z-100 Endoscope Screen Viewer
Z-101 Foot Stool
Z-102 Baby Cot
Z-103 Baby Laryngoscope
Z-104 Dressing Drum
Z-105 Chittle Forceps
Z-106 Flying Squad System

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7. Final Equipment List of the Basic Design

Final Equipment List

of

the Basic Design Study

on

the Project for Establishment

of

Punjab Medical College (Phase II)

Islamic Republic of Pakistan

Department of E.N.T.

CODE NO.	GENERIC TITLE	Q'TY
A-1	Examination Light	10 units
A-2	Laryngoscope Set	2 sets
A-3	Nebulizer Pump	2 sets
A-4	Audiometer for Adult with Sound Proof	1 unit
A-5	Prefabricated Room Audiometer for Infant	1 unit
A-6	Overhead Projector	1 unit
A-7	Side Projector	1 unit
A-8	Projector Screen	1 unit
A-9	Slide Cabinet	1 set
A-10	ENT Teaching Model	1 set
A-11	Video Cassete Recorder & Monitor (VHS) with Stand	1 unit
A-12-1	Instrument Sterilizer	3 units
A-12-2	High Pressure Steam Sterilizer with Stand	2 units
A-13	Electronistagmograph with Table	1 unit

Department of Ophthalmology

CODE NO.	GENERIC TITLE	Q'TY
B-1	Linear Electronic Ultrasound Scanner for Ophthalmology	1 unit
B-4	Ocutome with Table	1 unit
B-5	Perimeter with Table	2 units
B-6	Hand held Appalanation Tonometer	3 sets
B-7	Portable Slit-Lamp Microscope	1 unit
B-8	Synaptophore with Table	2 units
B-9	Opthalmometer with Table	1 unit
B-10	Specular Microscope with Table & Camera	1 unit
B-13	Photo Slit-Lamp Microscope with Camera and Table	1 unit
B-14	Gonioscope with Prism	4 pcs.

Department of Orthopaedic

CODE NO.	GENERIC TITLE	Q'TY
C-3	Hip Compression Instrument Set	2 sets
C-4	Sliding Nail Plate Set	2 sets
C-5	Dynamic Compression Plate Set	2 sets
C-6	Compression Plate Set K-U, M, J-O Type	2 sets
C-7	Orthopaedic Operating Instrument Set	2 sets
C-8	Operating Instrument Set for Wiring	2 sets
C-9	Operating Instrument Set for Neurosectomy	2 sets
C-10	Operating Instrument Set for External Fixator (Tubular System)	4 sets
C-11	Operating Instrument Set for Laminectomy	1 set
C-12	Operating Instrument Set for Spinal Fusion	1 set
C-15	Spinal Cord Traction Frame	2 units
C-17	Operating Instrument Set for Orthopaedics	1 set
C-18	Operating Instrument Set for Removal of Broken Screws	2 sets
C-19	Operating Instrument Set for Bone Fracture	2 sets
C-20	Operating Instrument Set for Small Fragment and Mini-implant	2 sets
C-21	Operating Instrument Set for Lengthening of Extremities	2 sets
C-22	Electric Universal Bone Saw	2 sets
C-23	Operating Instrument Set for Skin Graft	2 sets
C-24	Slide Projector 35mm Slide	1 unit
C-25	Overhead Projector	1 unit
C-26	Projector Screen	1 unit
C-27	Electric Torch Light Pointer for Slide Demonstration	1 pc.
C-28	Orthopaedic Plaster Room Equipment	1 set
C-29	Cloverleaf Kuntscher Intramedullary Nail, Straight	1 set
C-30	Cloverleaf Kuntscher Intramedullary Nail, for Tibia ...	1 set
C-31	MR-500 Intramedullary Nail	1 set
C-32	Pneumatic Tourniquet	1 set
C-33	Pelvic Traction Belt	3 sets
C-34	Overhead Traction Frame	1 set
C-35	Operating Instrument Set for Knee Prosthesis	1 set

C-36	Orthoscope with Camera and Light Supply Unit	2 sets
C-37	Operating Instrument Set for Hand Surgery	1 set
C-38	Operating Instrument Set for Microvascular Surgery	2 sets

Department of Dermatology

CODE NO.	GENERIC TITLE	Q'TY
D-1	PUVA Therapy Unit	1 unit
D-3	Slide Projector	1 unit
D-4	Overhead Projector	1 unit
D-5	35mm Camera with Microlense & Strobe Attachment	1 set
D-6	Patch Test Kit	2 sets
D-8	Binocular Microscope	1 unit
D-9	Loupe	1 pc.
D-10	Panjet Injector	2 pcs.
D-11	Small Operating Instrument Set	2 sets
D-12	Airway	2 sets
D-13	Tongue Depressor	2 pcs.
D-14	Ophthalmoscope	1 set
D-15	Screen	10 units
D-16	Reflector	2 pcs.
D-17	Fluorescence Microscope	1 unit
D-18	High Pressure Steam Sterilizer with Stand	1 unit
D-19	Centrifuge	1 unit
D-20	Incubator with Stand	1 unit
D-21	Drying Oven	1 unit
DA-22	Electrocautery Unit	1 unit
DA-23	Cryosurgery Set	1 unit
DA-24	Woods Lamp	1 unit

Department of Neurosurgery

CODE NO.	GENERIC TITLE	Q'TY
E-3	Trawers Self Retaining Retractor	8 pcs.
EA-6	Tube and Connector for V-A Shunt	24 each
EA-7	Ventricular Drainage Set	12 pcs.
EA-8	Head Holder	1 pc.
EA-9	Bipolar Coagulator	1 unit
EA-10	Operating Microscope	1 unit
EA-11	Microsurgery Instrument Set	1 set
EA-12	Aneurysm Clip C Set Applicator	1 set
EA-13	Sugita Aneurysm Removing Forceps	1 set
EA-14	Aneurysm Clip	1 set
EA-15	Tokyo Uni, Pattern Transspenoidal Pitutary Instrument	1 set
EA-16	Anterior Cervical Fusion Set	1 set
EA-18	Forceps Set for Intervertebral Disc	1 set
EA-19	Rongeur Beyer Type	2 pcs.
EA-21	Nerve Root Retractor	1 pair
EA-22	Double Action Pin Cutter	1 pc.
EA-23	Weitlaner's Retractor	4 pcs.
EA-24	Kerison Punch, 3 types	2 each
EA-25	Craniotomy Set, 6 kinds	2 each
EA-26	Laminectomy Set	2 sets
EA-27	Kerison Punch, 3 types	2 each
EA-28	Forceps for Intervertebral Disc	1 set
EA-29	V-A Shunt System, 4 kinds	24 each
EA-30	V-A Shunt Control for Infant	12 pcs.
EA-31	Ventricular Drainage Set	12 pcs.
EA-32	Diagnostic Set	1 set
EA-33	Critical Care Ventilator	2 units
EA-34	Cardiac Monitor	4 units
EA-35	Laryngoscope, 2 kinds	1 set
EA-36	Endotracheal Tube Plastic with Cuff	1 set
EA-37	Curved Catheter Connector	1 set
EA-38	Straight Catheter Connector	1 set
EA-39	Magill Forceps	1 set
EA-40	Breathing Bag, 5 sizes	1 set
EA-41	Anaesthetic Mask, 4 sizes	1 set

EA-42	Anaesthetic Mask, Infant	1 set
EA-43	Berman Airway, 3 sizes	1 set
EA-44	Tube Connector	1 set
EA-45	Corrugated Breathing Tube, 2 sizes	1 set
EA-46	Resuscitator	1 set
EA-47	Stereotaxio System	1 set

Department of Plastic Surgery

CODE NO.	GENERIC TITLE	Q'TY
F-1	Mosquit's Forceps Straight Teeth & Corved Teeth	4 each
F-2	Onitsuka's Mouth Gag with 3 kinds of Tongue Plate	1 set
F-3	MC Indoe Dissection Forceps	4 each
F-4	MC Indoe Dissection Forceps	4 each
F-5	Adson Dissecting Forceps	4 each
F-6	Adson Dissecting Forceps	4 each
F-7	Kilner Straight Scissors	4 pcs.
F-8	Kilner Skin Retractor	2 pcs.
F-9	Kilner Curved Scissors	4 pcs.
F-10	Kilner Nasal Retractor	4 pcs.
F-11	Bipolar Coagulator Unit	1 unit
F-12	Straight Bipolar Forceps, 4 different sizes	1 set
F-13	Gilles Fines Stem Hook	2 pcs.
F-14	Kilner Alae Retractor	4 pcs.
F-15	Kilner Needle Holder	4 pcs.
F-16	Kilner Suction Tube	4 pcs.
F-17	Cobbett Modified Brailt with Stem Graft Knife with 10 Sterib Blades	1 set
F-18	Cryosurgery Set	1 set
F-19	Morotomi's Mesh Graft Dermatome	1 unit
F-20	Eckhoff Mapping Pen with Nib	1 pc.
F-21	Metal Nib	1 pc.
F-22	Suture Needle for Plastic Surgery Round Shape Type, 10 different sizes	100 each
F-23	Dennis Brown Cleft Palate Resparatory	2 pcs.
F-24	Dennis Brown Cleft Palate Resparatory	2 pcs.
F-25	Baron Palate Dissectors Set	1 set
F-27	Electro Surgical Unit	1 unit
F-28	Micro Surgery Instrument Set	1 set
F-29	Standard Set for Harelipand Cleft Palate	1 set
F-30	Standard Set for Rinoplasty	2 sets
F-31	MC Indoe Nasal Chisel	3 sets
F-32	Silver Nasal Chisel	3 sets
F-33	Jenkins Couges	3 sets
F-34	Angular Scissors	4 pcs.
F-35	Plastic Surgery Instrument Set	1 set

F-39	Knapp Scissors	2 pcs.
F-40	Suction Tube	4 pcs.
F-41	Mallet	4 pcs.
FA-43	Super Speed Dermal Grinding Unit	1 unit

Department of Chest Surgery / Medicine

CODE NO.	GENERIC TITLE	Q'TY
G-1	Diagnostic Set	2 sets
G-5	Trocar	2 sets
G-6	Biopsy Needle	2 sets
G-7	Pulmo Tester	1 unit
G-8	Suction Unit	1 unit
G-9	E.C.G. Analyzer	1 unit
G-10	Manual Resuscitator	1 set
GA-11	Broncho Fiberscope with Endoscopic Illuminator/Stand ..	1 set
GA-12	Nebulizer Pump	2 units
GA-13	Endotracheal Tube Set	1 set
GA-14	Laryngoscope Set with Blade/Batteries	1 set

Department of Oral Surgery

CODE NO.	GENERIC TITLE	Q'TY
H-1	Chair Mount Unit Signogrand	2 units
H-2	Operating Stool	4 units
H-4	Dental Treatment Cabinet	2 units
H-5	Full Automatic Sterilizer	2 units
H-6	Dry Heat Sterilizer	2 units
H-7	Hand Sterilizer	1 unit
H-8	Radio Visio Graphy	1 unit
H-9	Direct Current System	
	Dental Panoramic X-Ray Apparatus	1 unit
H-10	Film Cassette for Panoramic	4 units
H-11	Flat Film Cassette for Cephalo	4 units
H-12	X-Ray Film Automatic Processor	1 unit
H-13	Dental X-Ray Apparatus	1 unit
H-14	Dental Fiberscope System	1 set
H-15	Ultrasonic Scaler	2 sets
H-16	Ultrasonic Root Canal Apparatus	2 units
H-17	Induction Apparatus	2 units
H-18	Light Curing Apparatus	2 units
H-19	Multipurpose Diagnostic Apparatus	3 units
H-20	Root Canal Enlargement & Filling System	3 sets
H-21	Electric Pulp Tester	3 sets
H-22	Amalgam Mixer	3 sets
H-23	Amalpac Set	3 sets
H-24	Laboratory Micromotor	2 sets
H-25	Light Curing Apparatus, Checking Unit	2 units
H-26	Stainless Cup	6 pcs.
H-27	Magnetic Bur Stand	6 pcs.
H-28	Rubber Dem Clamp Set	6 sets
H-29	Electro Surge Operer	2 sets
H-30	Caries Diagnostic Meter	3 pcs.
H-31	Prophylaxis Cleaner	2 pcs.
H-32	Mandrels	6 pcs.
H-33	Diamond Discs	24 pcs.
H-34	Brush Cone	20 pcs.
H-35	Tooth Brushing Study Model	2 pcs.
H-36	Lead Number for Intra Oral Exposure	3 sets

H-37	Film Holder for Bite Wing Exposures	50 boxes
H-38	Micro E Drill	1 set
H-39	Micro E Sagittal Saw	1 set
H-40	Micro E Reciprocating Saw	1 set
H-41	Micro E Wiredriver	1 set
H-42	Micro E Oscillating Saw	1 set
H-43	Micro E Controller	1 set
H-46	Filter Kit	1 kit
H-47	Cyst Curette	6 pcs.
H-48	Cyst Curette	6 pcs.
H-49	Long Steel Scope	6 pcs.
H-50	Clouston Walker Modified Fixation Apparatus	3 units
H-51	Royal Berkshire Hospital Model Halo Frame	3 units
H-55	Wordsley Mandibular Set	6 sets
H-56	Bowman and Conroy Sectional Implant	6 sets
H-57	Rowe Screw Holding Forceps	2 pcs.
H-58	Williams Automatic Screw Holding Screw Driver	1 pc.
H-59	Harrison Mandible Holding Forceps	2 pcs.
H-60	Seldin Mandible Holding Forceps	2 pcs.
H-61	Toller Maxillary Fracture Reduction Forceps	2 pcs.
H-62	Indoe Lion Forceps	2 pcs.
H-63	Rowe Disimpaction Forceps	2 pcs.
H-64	Hayton Williams Forceps	2 pcs.
H-65	Rowe Disimpaction Forceps	2 pcs.
H-66	Hayton Williams Forceps	2 pcs.
H-67	Rowe Zygomatic Elevators	2 pcs.
H-68	Kilner Malar Elevators	2 pcs.
H-69	Bristow Malar Elevators	2 pcs.
H-70	Wire Loop Forceps	2 pcs.
H-71	Osteotome	2 pcs.
H-72	Tessier Maxillary Mobiliser	2 pcs.
H-73	Tessier Maxillary Mobiliser	2 pcs.
H-75	Rowe Zygomatic Arch Awl	2 pcs.
H-76	Ward Cheek Retractor	2 pcs.
H-82	Intra Osseous Blade Implants Set	10 sets
H-83	Complete Instrument Set for Intra Osseous Blade Implant	2 sets
H-84	Injection Carriage Syringe	12 pcs.
H-85	Disposable Needle	100 boxes

H-86	Disposable Needle	100 Boxes
H-87	Periosteal Elevator	12 pcs.
H-88	Elevator	6 pcs.
H-89	Elevator	6 pcs.
H-90	Elevator	6 pcs.
H-91	Elevator	6 pcs.
H-92	Elevator	6 pcs.
H-93	Root Tip Pick	6 pcs.
H-94	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-95	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-96	Tooth Forceps for Upper Incisor and Canines	6 pcs.
H-97	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-98	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-99	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-100	Tooth Forceps for Bicuspids and Molars	6 pcs.
H-101	Tooth Forceps for Wisdom Teeth	6 pcs.
H-102	Tooth Forceps for Wisdom Teeth	6 pcs.
H-103	Tooth Forceps for Wisdom Teeth	6 pcs.
H-104	Tooth Forceps for Upper Roots	6 pcs.
H-105	Tooth Forceps for Upper Roots	6 pcs.
H-106	Tooth Forceps for Upper Roots	6 pcs.
H-107	Tooth Forceps for Upper Roots	6 pcs.
H-108	Tooth Forceps for Upper Roots	6 pcs.
H-109	Tooth Forceps for Upper Roots	6 pcs.
H-110	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs.
H-111	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs
H-112	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs
H-113	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs
H-114	Tooth Forceps for Lower Incisor Caninas and Bicuspids .	6 pcs
H-115	Tooth Forceps for Lower Molars	6 pcs.
H-116	Tooth Forceps for Lower Molars	6 pcs
H-117	Tooth Forceps for Lower Molars	6 pcs
H-118	Tooth Forceps for Lower Molars	6 pcs
H-119	Surgical Blade Holder	12 pcs.
H-120	Surgical Blade	100 pack
H-121	Surgical Blade	100 pack
H-122	Surgical Blade	100 pack
H-123	Surgical Blades Remover	6 pcs.
H-124	Bone Curette Schedes	6 pcs.

H-125	Double End Curette Set	3 sets
H-126	Tissue Retractor	6 pcs.
H-127	Tissue Retractor	6 pcs.
H-128	Retractor	6 pcs.
H-129	Sugarman File	6 pcs.
H-130	Bone File	12 pcs.
H-131	Bone File	6 pcs.
H-132	Needle Holders, straight	12 pcs.
H-133	Needle Holders, curved	12 pcs.
H-134	Surgery Mallet	3 pcs.
H-135	Gum Scissors Set	3 sets
H-136	Scissors	12 pcs.
H-137	Needle Holders	24 pcs.
H-138	Double End Explorer	24 pcs.
H-139	Periodontal Probe	24 pcs.
H-140	Dental Mirror	24 pcs.
H-141	Dressing Pliers	24 pcs.
H-142	Gum Retractor	12 pcs.
H-143	Gum Retractor	12 pcs.
H-144	Instrument Set for Treatment at Patient Home	2 sets
H-145	Plastic Cheek Retractor	2 boxes
H-146	Denhalt Mouth Opener	6 pcs.
H-147	Tongue Guard	12 pcs.
H-148	Double End Excavator	12 pcs.
H-149	Double End Cement Spatula	12 pcs.
H-150	Lining Applicator	12 pcs.
H-151	Proximal Filling Instrument	12 pcs.
H-152	Amalgam Carrier	12 pcs.
H-153	Double End Amalgam Pluggers	12 pcs.
H-154	Double End Amalgam Burnisher	12 pcs.
H-155	Amalgam Carver	6 pcs.
H-156	Amalgam Carver	6 pcs.
H-157	Matrix Retainer	6 pcs.
H-158	Matrix Band	6 pack
H-159	Matrix Retainer	6 pcs.
H-160	Matrix Band	6 pack
H-161	Tooth Separator	3 pcs.
H-162	Tooth Separator	3 pcs.
H-163	Hygienist Scaler Set	4 sets

H-164	Pyorrhea Scaler Set	4 sets
H-165	Pyorrhea Scaler Set	4 sets
H-166	Perio Surgical Instrument Set	6 sets
H-167	Root Canal Length Indicator	3 pcs.
H-168	Endodontic Kit	3 kits
H-169	Spreader	2 each
H-170	Gutta Percha Instrument	2 sets
H-171	Root Cannal Plugger	2 each
H-172	Root Cannal Dropper	100 pcs.
H-173	Nerve Broach	50 pack
H-174	Nerve Broach with Handle	50 pack
H-175	Lentulo Poste Carrier	10 pack
H-176	Flaxo Reamer	50 pack
H-177	Flexo File	50 pack

Department of Psychiatry

CODE NO.	GENERIC TITLE	Q'TY
I-8	Intubation Tube	2 sets
I-9	Airway, each sizes	3 sets
I-11	Tuning Forks	2 pcs.
I-12	Tongue Depressor	2 pcs.
I-13	Ophthalmoscope with Hallogen Lamp	1 unit
I-15	Manual Resuscitator	2 sets
I-16	Laryngoscope with 3 brades	1 set
I-18	Anaesthesia Apparatus	2 units
I-19	Sponge Holding Forceps	2 pcs.
I-20	Electro Convulsive Therapy Machine	1 unit
I-21	Couch for ECT	2 units
I-22	Couch for Hypnosis	2 units
I-23	Tape Recorder	2 sets
I-24	Video Cassette Recorder with Movie Camera/Monitor	1 set
I-26	Overhead Projector	1 unit
I-27	Slide Projector	1 unit
I-28	High Pressure Steam Sterilizer	1 unit
I-29	Personal Computor	1 unit
I-30	Photocopy Machine	1 unit
I-33	Kits & Relavent Literature	1 set

Department of Drug Abuse Treatment Centre

CODE NO.	GENERIC TITLE	Q'TY
J-10	Tuning Forks	2 pcs.
J-11	Tongue Depressor	10 pcs.
J-12	Breathing Bag	2 sets
J-13	Sponge Holding Forceps	4 pcs.
J-14	High Pressure Steam Sterilizer	1 unit
J-16	Corch for Relaxation Exercise	1 unit
J-17	Corch for Hypnosis	1 unit
JA-18	Thin Layer Chromatograph	1 unit

Department of Ward

CODE NO.	GENERIC TITLE	Q'TY
K-1	Bed with Mattress & Bedside Safty	500 units
K-2	Stool Locker	500 units
K-3	Overbed Table	500 units
K-7	Transfusion Stand	168 pcs.
K-8	Screen Partition	48 units
K-9	Urinal Set	24 sets
K-11	Enema Can Set	96 sets
K-12	Hot Water Bottle with Grip	96 pcs.
K-15	Stethoscope	96 pcs.
K-16	Sphygmomanometer	48 sets
K-18	Bedside Cabinet	500 units
K-19	Folding Chair for Teaching Purpose	180 units
K-20	Refrigerator without Freezer	24 units
K-21	Medicine Cabinet	24 units
K-22	Ultrasonic Nebulizer	24 units
K-23	Treatment Carriage	24 units
K-24	Instrument Table with Wheel	24 units
K-25	Laundry Cart	48 units
K-26	Waste Receptacle	48 units
K-27	Wheel Chair for Adult with Spare Tyer	48 units
K-28	Invalid Walker	24 units
K-29	Oxygen Tent	24 units
k-30	Instrument Tray Set	48 units
K-31	Patient Stool	48 units
K-32	Examination Table	48 units
K-33	Strecher with Wheel Trolly	29 units
K-34	Weighing Machine	24 units
K-37	Oxygen Cylinder with Trolly	144 pcs.
K-38	Film Illuminator for 3 Films	43 units
K-39	Double Basin Stand with Basins	24 units
K-41	B.P. Apparatus, wall mounted type	24 units
K-42	B.P. Apparatus, stand type	48 units
K-43	Instrument Cabinet	24 units
K-45	Suction Unit	24 units
K-46	Ice Cube Machine	24 units
K-47	Ward Instrument Set	1 set

K-48	Bed for Coronary Care Unit	10 units
K-50	Traction Frame with Weight	10 sets
K-52	Ophthalmoscope	24 sets
K-53	Laryngoscope Set	24 sets
K-54	Ambu Bag	24 sets
K-55	Blood Gas Analyzer	1 set
K-56	Emergency Light	10 units

Department of Radiotherapy & Nuclear Medicine

CODE NO.	GENERIC TITLE	Q'TY
L-4	Pocket Dosimeter, Gamma X-Rays	15 sets
L-5	Charger for Pocket Dosimeter	1 unit
L-7	Co-60 Rotational Teletherapy Unit	
	5000 Curing Source with TV Monitor	1 unit
L-8	Essential Operating Theater Equipment	1 set
L-9	Simulator	1 unit
L-10	Dosimetric Equipment	1 set
L-11	Water Phantom	1 set
L-12	Remote After Loading System	1 unit

Department of C.C.U.

CODE NO.	GENERIC TITLE	Q'TY
M-1	Bedside Monitors with Central Monitor (Central Monitor...1, Bedside Monitor...4/Unit)	1 system
M-2	E.C.G. Pressure Monitoring	1 unit
M-3	E.C.G. Machine, Single Channel	2 units
M-5	Central Air-conditioning System	1 system
M-6	Asrhythmia Unit	1 unit
M-7	Resuscitation Unit	1 unit
M-8	Emergency Trolly	2 units
M-9	Ambulance with furnished Medical Equipment	1 car

Department of Physiotherapy

CODE NO.	GENERIC TITLE	Q'TY
N-1	Microwave Therapy Apparatus	1 unit
N-2	Transcutaneous Stimulator	1 unit
N-3	Hirschman's Galvanization	1 unit
N-4	Ultrasonic Apparatus	1 unit
N-6	Neodynator for Application of Dynamic Currents	1 unit
N-7	Mobile Underwater Massage Unit	1 unit
N-8	Metro Massage Apparatus	1 unit
N-10	Ergometer	1 unit
N-11	Traction Table	1 unit
N-12	Standing Bed Traction Bed for Versatile Use	1 unit
N-13	Shoulder Wheel	1 unit
N-14	Parallel Bar for Adult	1 unit
N-15	Parallel Bar for Children	1 unit
N-16	R.S.C. Pull/Armour Exerciser with Weight	1 unit
N-17	Variweight Boot and Weight	1 unit
N-18	Rowing Machine	1 unit
N-19	Wrist Rotator	1 unit
N-20	Grip Dynamometer	1 pc.
N-21	Bicycle Exerciser	1 unit
N-22	Mirror for Posture Training	1 unit
NA-23	Portable Ultrasound Therapy Unit	1 unit
NA-24	Infra-red Laser Therapy Unit	1 unit

Department of Mortuary

CODE NO.	GENERIC TITLE	Q'TY
O-1	Mortuary Refrigerator for 2 bodies	2 units
OA-2	Autopsy Table, Straight Shape	2 units

Department of Paramedical Institute / Workshop

CODE NO.	GENERIC TITLE	Q'TY
P-1	Memory Scope	1 unit
P-2	Digital Voltmeter Bench Type	5 units
P-3	Digital Tong Tester	5 units
P-4	Frequency Tester	2 units
P-5	Frequency Counter	2 units
P-6	Resistance Tester (Insulation Tester)	5 units
P-8	Oscilloscope	2 units
P-9	Colour Pattern Generator	2 units
P-10	Short Circuit Detector	2 units
P-11	Multimeter Electronic	10 units
P-12	I.C. Tester 40 Pins Digital	1 unit
P-13	Transistor Tester, Digital	2 units
P-14	Tube Tester	1 unit
P-15	High Voltage Probe	2 units
P-18	Earth Tester with Optional Accessories	3 units
P-19	RPM Meter	2 units
P-20	Portable Calibrator	2 units
P-21	Sound Level Meter with Accessories	2 units
P-33	Desoldering Tools	10 units
P-34	KVP Meter	1 unit
P-42	Electric Drill Machine, Gear & Stand Type	2 units
P-43	Vacuum Pump Set	2 units
P-47	Electric Drill Machine (Hand Type)	3 units
P-51	Grinder Table Type	2 units
P-52	Bench Vice	5 units
P-53	Hand Vice	5 units
P-56	Electric Screw Driver	2 units
P-64	Electric Hacksaw	1 unit
P-65	Reamer Set	2 units
P-67	Threading Dye in MM and Standard Size	2 units
P-81	Digital X-Ray Exposure Timer	2 units
P-83	Automatic Exposur Control Analyzer	2 units
P-87	Wisconsin KVP Test Cassette	2 units
P-88	Colimeter and Beam Alignment Test Tools	2 units
P-104	E.C.G. Simulator	2 units
P-107	Electrical Safety Analyzer	2 units

P-108	E.C.G. Machine Monitor Analyzer	2 units
P-110	Defibrillator Analyzer	4 units

Department of Radiology

CODE NO.	GENERIC TITLE	Q'TY
R-1	Ultrasound Apparatus (Linear & Sector)	2 units
R-2	Refrigerator	1 unit
R-3	Stretcher Trolly	1 unit
R-4	X-Ray Diagnostic Apparatus 500mA	1 unit
R-5	Slide Projector	1 unit
R-6	X-Ray Film Projector	1 unit
R-7	Camera for Clinical X-Ray Film with Flash and Stand ...	1 set
R-8	X-Ray Film Illuminator	2 units
R-9	Wheel Chair	2 units
R-10	Whole-Body CT Scanner	1 system

Department of Anaesthesiology

CODE NO.	GENERIC TITLE	Q'TY
S-1	Infant Ventilator	2 units
S-2	Sphygmomanometer Electric	4 units
S-3	Bedside Monitor	4 units
S-4	Central Nitrous Oxide Supply for 20 Operation Theatres	1 system
S-5	Fiberoptic Laryngoscope, Light Sorce	2 pcs.
S-7	Breathing Bag	10 sets
S-8	Electrolyte Analyser	1 unit
S-9	Lung Function Test Machine	1 unit
S-10	Ambu Bag for Adult	6 sets
S-11	Ambu Bag for New-born Baby	4 sets

Department of Paediatrics

CODE NO.	GENERIC TITLE	Q'TY
T-1	Oxygen Monitor with Hi-Lo Alarm	1 unit
T-3	Infant Warmer	2 units
T-5	Phototherapy Unit	1 unit
T-7	Ultrasound System for Cardiology and Abdomen	1 unit
T-8	Intermittent Positive Airway Pressure System	1 system
T-10	Microscope	1 unit
T-11	Ophthalmoscope	1 set
T-12	Infant Weighting and Measuring Machine	2 units
T-13	HB Meter	1 unit
T-14	Resuscitator of Newborn & Infant	1 unit
T-16	Infant Intubation Set	1 set
T-18	Examining Table	2 units
T-19	Neonatal Monitor	1 unit
T-20	Neonatal Respiration and Apnea Monitor	1 unit
T-22	Paediatric Resuscitation Trolley	1 unit

Department of Surgery

CODE NO.	GENERIC TITLE	Q'TY
U-1	Instrument Set for Microsurgery	1 set
U-2	Microsurgery Set for Gynaecology	1 set
UA-3	Binocular Roope	4 pcs.
UA-4	Binocular Roope	4 pcs.
UA-5	Cystourethroscope Set	1 set
UA-6	Irrigating Cystoscope	1 set
UA-7	Lithotriptoscope	1 set
UA-8	Examining & Double Cathetrizing Cystoscope	1 set
UA-9	Biopsy Forceps	2 sets
UA-10	Resectoscope, Iglesias, Continuous Irrigation	1 set
UA-11	Visual Urethrotome	1 set
UA-12	Light Source Unit	1 set
UA-13	Transurethral Operating Table	1 unit
UA-14	Fiber Optic Light Guide Bundle	1 pc.
UA-15	Formalin Gas Sterilizer	1 unit
UA-17	Bladder Evacuator	3 sets
UA-18	Bladder Retractor	2 sets
UA-19	Kidney Clamp	2 sets
UA-20	Ureteral Stone Forceps	2 sets
UA-21	Kidney Stone Forceps	2 sets
UA-22	Ureteral Stone Dislodger	6 sets
UA-23	Catheter Stylet	6 sets
UA-24	Urethral Bougie, Guyon's Set	1 set
UA-25	Penis Clamp	6 sets
UA-26	Urethral Foreign Body Forceps	2 sets
UA-27	Infusion Pump	1 unit
UA-28	Endoscopic Examining Chair	1 unit

Department of Out-Door Patient

CODE NO.	GENERIC TITLE	Q'TY
V-1	B.P. Apparatus	49 units
V-2	Examining Couch	49 units
V-3	Stethoscope	49 units
V-4	Film Illuminator	49 units
V-5	Screen	50 units
V-6	Clinical Thermometer	120 pcs.
V-8	Weighing Machine	20 units
V-9	Revolving Stool for Patient	50 units

Department of Transportation & Other Machinery

CODE NO.	GENERIC TITLE	Q'TY
X-3	Pick Up 1600-2000cc Diesel	1 car
X-4	Vacuum Cleaner (Heavy Duty)	32 units
X-5	Heavy Duty Blower	5 units

Department of Obstetrics & Gynaecology

CODE NO.	GENERIC TITLE	Q'TY
Z-1	Yanagi's Varginal Speculum, medium size	12 pcs.
Z-2	Kinoshita's Surgical Varginal Retractor, medium size ..	12 pcs.
Z-3	Cusco's Varginal Speculum large, medium, small	12 each
Z-4	Martin Tenaculum Forceps	4 pcs.
Z-5	Muzeu's Vulsellum Forceps	4 pcs.
Z-6	Uterine Tissue Forceps	4 pcs.
Z-7	Uterine Probe	2 pcs.
Z-8	Foester's Sponge Forceps	6 pcs.
Z-9	Bozeman's Uterine Dressing Forceps	2 pcs.
Z-10	Uterine Dilators	6 sets
Z-11	Biopsy Punch	4 pcs.
Z-12	Uterine Biopsy Punch	4 pcs.
Z-13	Biopsy Curret	3 pcs.
Z-14	Biopsy Curret	3 pcs.
Z-15	Kobak's Needle	6 pcs.
Z-16	Constrast Medium Infusion Set	2 sets
Z-18	Jomu Type Uterine Curret	2 pcs.
Z-19	Uterine Currete large,	1 set
	medium,	
	small size	
Z-20	Bumm's Uterine Curret, medium size	6 pcs.
Z-21	Olshausen's Uterine Curret, medium, small size	3 each
Z-22	Segon's Tumor Screw	4 pcs.
Z-23	Thomas Uterine Tissue Grasping Forceps	6 pcs.
Z-24	Hysterectomy Forceps	36 pcs.
Z-25	Alexander's Operating Retractor	4 pcs.
Z-26	Ando's Abdominal Retractor, large, small size	2 each
Z-27	Bolfour's Abdominal Retractor	4 pcs.
Z-28	Abdominal Retractor	4 pcs.
Z-29	Varginal Spatura	4 pcs.
Z-30	Masson's Diamond Jaw Needle Holder	6 pcs.
Z-31	Uterotubal Holding Forceps	4 pcs.
Z-32	Mayo's Scissors	12 pcs.
Z-33	Sim's Uterine Scissors	6 pcs.
Z-34	Sim's Uterine Scissors	4 pcs.
Z-35	Obstetric Stethoscope (White Resin Made)	12 pcs.

Z-36	Varginal Forceps	4 pcs.
Z-37	Varginal Prosthesis, each size	1 each
Z-38	Kogan's Endocervical Speculum Forceps	4 pcs.
Z-39	Backhaus's Towel Forceps	24 pcs.
Z-40	Kocher's Hemostatic Forceps	12 each
	straight 14.5cm / 18.5cm / 21.0cm long	
Z-41	MM Type Hysterecctomy Forceps	12 pcs.
Z-42	Saenger's Retractor 38mm	4 pcs.
Z-43	Mosquito's Hemostatic Forceps, curved, straight	36 each
Z-44	Kocher's Hemostatic Forceps, curved, straight	12 each
Z-45	Stereoscopic Colposcope	1 unit
Z-46	Dopplar Fetal Heart Detector	6 units
Z-47	Kymographic Infflation Apparatus	1 unit
Z-49	Ballon Catheter	1 pc.
Z-52	Hysteroscope System	1 unit
Z-58	Birth Calender	6 pcs.
Z-62	Simpson's Obstetric Forceps	4 pcs.
Z-63	Kielland Obstatric Forceps	4 pcs.
Z-64	Braun's Decapitation Hook	1 pc.
Z-65	Smellie's Obstetric Hook	1 pc.
Z-66	Naegele's Perforator	1 pc.
Z-67	Abortion Canula Set	2 sets
Z-70	Fetal Monitor	4 units
Z-71	Linear Scan	2 units
Z-72	Portable Vacuum Pump	2 units
Z-73	Breast Massaging & Milking Unit	2 units
Z-74	Breast Pump	2 units
Z-76	Obstetric/Gynae Suction Unit	2 units
Z-79	Infant Care System	1 unit
Z-81	Neonatal Monitor	1 unit
Z-82	Infant Transportation Incubator	1 unit
Z-84	Continous Lowpressure Aspirator	1 unit
Z-85	Infant Resucitation Bag	4 units
Z-87	Infant Ventilator	1 unit
Z-88	Baby Stethoscope	2 pcs.
Z-89	Infusion Pump	4 pcs.
Z-90	Miller's Laryngoscope Set	4 pcs.
Z-91	Caesarian Incision Set	6 sets
Z-92	Baby Scale	2 units

Z-96	Dressing Cart	2 units
Z-97	Nebulizer Pump	2 units
Z-98	Colposcope	1 unit
Z-99	Electrosurgical Unit	1 unit
Z-100	Endoscope Screen Viewer	1 pc.
Z-101	Foot Stool	4 pcs.
Z-102	Baby Cot	20 units
Z-103	Baby Laryngoscope	2 pcs.
Z-104	Dressing Drum	10 pcs.
Z-105	Chittle Forceps	8 pcs.
Z-106	Flying Squd System	1 system

8. Other Data

8-1. Country Data

8-1. Country Data

The current situation of Pakistan

1. Area: 804,000Km²
2. Population: 103,000,000 (1988)
3. Per Capita income: 385 dollars (1988)
4. Industrial structure

By the statistical data in 1987, its major industries are as follows: forestry & fishery 25%, production 20%, whole sale 15% and others (transportation, communication, warehousing, construction, electric power and gas) 16%. In recent years, the forestry & fishery industries are decreasing. On the contrary, the production industry is growing; however, it is still very small when compared with the forestry & fishery.

5. Major products

Agricultural products are sugar cane, wheat, cotton and rice. Industrial products are cement, fertilizer and cotton strings.

6. Labor forces

The labor forces are 49% for forestry & fishery, 14.2% for mining & production, 12% for external trading, 6% for construction and 5% for transportation.

7. Trading structure

By the statistical data in 1988, Japan is the biggest trading partner for both export and import. For export, United States, United Kingdom, Saudi Arabia and West Germany in this order.

The export products are cotton strings, cloths, cotton sheets and rice. The import products are machines, oil, petro products, chemical products, transportation equipment and edible oil in this order. Export and import are increasing, but the balance is lopsided in favor of import. In 1988, export increased by 15% over the previous year; however, import increased by over 20%, and so trading deficit is Rs. 45.6 billion.

Tables 7-1 and 7-2 list the International Balance and Economic Indices.

Table 7-1 International Balance (Rupees in Million Dollars)

	1982-83	1984-85	1985-86	1986-87	1987-88
Export	2,627	2,457	2,942	3,498	4,125
Import	- 5,616	- 6,009	- 5,984	- 5,792	- 6,370
Trade balance	- 2,989	- 2,552	- 3,042	- 2,294	- 2,245
Income sent by workers in foreign countries	2,886	2,446	2,595	2,278	2,070
International balance	- 558	- 1,685	- 447	- 16	- 175

Source: Pakistan Financial Statistical Investigation 1987-88

Table 7-2. Economic Indices (Rupees in Million Dollars)

	1982-83	1986-87	1987-88
Revenue	61.5	102.4	124.2
Expenditure	87.1	156.0	182.6
Financial balance	- 25.6	- 53.6	- 58.4
Gross national products	363.9	608.1	685.9
Consumer price index boost	4.7	3.6	5.8

Source: Pakistan Financial Statistical Investigation

8. Government

Islamic federal republic. The present head of the country is president Blam Ishak Khan who took power on December 12, 1988. There are two houses in the parliament: upper and lower. The upper house has 87 legislators whose service period is 6 years. One third of them are reelected by indirect election biennially. The lower house has 237 legislators whose service period is 5 years. Among 237, 20 is reserved for women, 10 for non-Islamic and 1 for other.

9. Political status

Mr. Nawaz Sharif, the president of Islamic Democratic Colleague, was designated as the Prime Minister by the national assembly in November, 1990. He is the son of the chairman of the leading company of the country and so well acquainted with the industrial society. Since he was in a good relation with the late president Jia Ul Hak, he is trusted by the military power.

However, there are following setbacks in the country:

Deficits in financing and external trade, decrease of overseas workers due to the Gulf war, aggravation of inflation in economics; Kashmir skirmishes and crack with the United States stemming from the suspen-

sion of financial assistance due to the skepticism of nuclear arms development in diplomacy; indictment of the previous Prime Minister Butto due to her misfeasance.

10. Administrative Structure of Pakistan

Pakistan is consisted of 4 major provinces and FATA etc. The typical administrative structure is shown as Fig. 10-1. the administrative structure of the Punjab. The Punjab has 8 divisions and each division has 3-4 districts.

Fig. 10-1. Administrative Structure of the Punjab

