

Equipment List			
A. Emergency Treatment Unit			
		Quantity	Priority
1.	Bedside monitor	2	B
2.	Defibrillator	1	A
3.	Infusion pump	2	B
4.	Pulse oximeter	2	B
5.	Emergency resuscitator	1	A
6.	Laryngoscope	1	B
7.	ECG machine	1	A
8.	Sterilizer	2	B
9.	ICU Bed	2	B
10.	Emergency Cart	1	B
11.	Stretcher	2	B
12.	Oxygen Flow meter	2	B
13.	Minor surgical instrument set	1	A
14.	Set of Ophthalmo and Otoscope	1	B
15.	Sphygmomanometer	2	A
16.	Clinical set for ETU	1	A
17.	Ultrasonic waver nebulizer	2	B
18.	Suction apparatus	2	A
B. Operating Unit			
		Quantity	Priority
1.	Cystoscope set	1	B
2.	Pulse oximter	2	B
3.	Defibrillator	4	B
4.	High frequency surgical equipment	4	B
5.	Operating Microscope for ENT	2	B
6.	Anesthesia with ventilator	3	B
7.	Surgical scrub station unit	2	B
8.	Electro surgical unit	4	B
9.	Dermatome	1	B
10.	Oxygen flow meter set	1	B
11.	Pediatrics surgical instrument set	1	B
12.	Micro surgical instrument set	1	B
13.	ECG monitor	4	B
14.	Suction apparatus	12	B
15.	Rent Drill	1	B
16.	Instrument cabinet	4	B
17.	Instrument cart	4	B
18.	Recovery bed	4	B
19.	Stretcher	4	B
20.	Sterilizing hand washing unit	8	B
21.	Medical Refrigerator	2	B
22.	Operating table	2	B
23.	Shadowless lamp	2	B
24.	Laparoscope set	1	B
25.	Retractors for hip exposure set	2	B
26.	Hemiprosthesis(Hip)	1	B
27.	Instruments to calibrate size of prostheses	11	B
28.	Instrument for dynamic Hip screws set	1	B
29.	Bone drill	1	B
30.	Bone saw	1	B
31.	Bone plates & screws set	1	B
32.	Capnometer	1	B
33.	Nasopharyngoscope set for ENT	1	B
34.	Laryngoscope set for ENT	1	B
C. Endoscopy Unit			
		Quantity	Priority
1.	Gastrointestinal fiberscope set	1	B
2.	Duodeno. fiberscope set	1	B

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3.	Colono fiberscope set	1	B
4.	Sigmoid fiberscope set	1	B
5.	Video monitor set	1	B
6.	Light sources for endoscopes set	1	B
7.	Disinfections trolley	2	B
8.	Forceps hanging	1	B
9.	Broncho fiberscope set	1	B
10.	Light source for Broncho fiberscope set	1	B
11.	Endoscopic suction pump	1	B
12.	Disinfections trolley	1	B
13.	Bronchoscopy procedure cart	1	B
14.	Maintenance set with leakage tester	1	B
D. ICU, SICU		Quantity	Priority
1.	ICU bed	5	B
2.	Ventilator for ICU	5	B
3.	Potable ventilator	1	A
4.	Pulse oxymeter	2	B
5.	Defibrillator	1	A
6.	ECG monitor	5	B
7.	Blood gas analyzer	1	B
8.	X-ray film viewer	2	B
9.	Ultrasonic wave nebulizer	2	B
10.	Instrument cabinet	2	B
11.	Instrument cart	2	B
12.	Syringe pump	6	B
13.	Infusion pump	2	B
14.	Oxygen flow meter set	5	B
15.	Capnometer	1	B
16.	Mini autoclave	1	B
E. CCU & ICCU		Quantity	Priority
1.	Respirometer	2	B
2.	Ventilator for adult	4	B
3.	ECG machine	2	B
4.	Suction apparatus	6	B
5.	BP apparatus	6	B
6.	Nebulizer	4	B
7.	Ambue bag	2	A
8.	Bedside monitor	4	B
9.	Defibrillator	2	B
10.	Pulse oximeter	4	B
11.	Syringe pump	6	B
12.	Infusion pump	4	B
13.	Exercise ECG	1	B
14.	Gatch bed	6	B
F. Outpatient Clinic		Quantity	Priority
1.	Pure Tone Audiometer	1	A
2.	Impedance audiometer	1	A
3.	Sphygmomanometer	30	B
4.	Set of oththalgo and Otoscope	4	B
5.	Surgical treatment set	1	B
6.	Medical refrigerator	5	B
7.	Diagnostic sets	6	B
8.	Instrument cabinet	6	B
9.	Instrument cart	6	B
10.	Spot lamp	6	B
11.	Suction apparatus for ENT	1	A
12.	Fiber optic ENT scope	1	A
13.	Head mirror set for ENT	3	B

14	Bull's eye lamp set for ENT	3	B
G. Eye unit		Quantity	Priority
1.	Operation microscope	1	A
2.	Echo unit for Ophthalmology, A & B scan	1	B
3.	Visual field analyzer	1	A
4.	Slit lamp with tonometer	2	A
5.	Anesthesia with ventilator	1	B
6.	Pulse oximeter	1	B
7.	Micro instrument set for Eye	2	B
H. Dental Clinic & Oral & Maxillo Facial unit		Quantity	Priority
1.	Dental chairs with compressor	4	A
2.	Cavitron / Scalers	2	B
3.	Light cure machines	2	B
4.	Suction unit	2	B
5.	Autoclave, table top	2	B
6.	Micromotor drill	1	B
7.	High speed drill	2	B
8.	Mini plating kits	2	B
9.	Micro plating kits	1	B
10.	Pulse oximeter	1	B
11.	Laser unit for maxillofacial surgery	1	C
I. Radiology section		Quantity	Priority
1.	Ultrasound scanner unit	1	B
2.	Personal computer and a printer	1	C
3.	Computer table	1	C
4.	General X-ray unit	1	A
5.	Fluoroscopy X-ray unit	1	B
6.	Mobile X-ray unit	1	A
7.	Film mark set	3	B
8.	X-ray film storage cabinet	1	B
9.	X-ray protective aprons	3	B
10.	Aprons hangers	3	B
11.	Cassettes pass	1	B
12.	Panoramic X-ray unit	1	B
13.	Dental X-ray unit	1	A
14.	X-ray film illuminators for 1film	3	B
15.	X-ray film illuminators for 4 films	2	B
16.	X-ray Cassettes with screen set	1	A
J. Laboratory		Quantity	Priority
1.	Colony counter for Microbiology	1	B
2.	Spectrophotometer	1	A
3.	pH meter	2	B
4.	Auto hematology analyzer	1	C
5.	Freezer, small	1	B
6.	Medical refrigerator	5	B
7.	Water distillation apparatus	2	B
8.	Microplate rotator	1	B
9.	Water bath	2	B
10.	Pipette washer	1	B
11.	Vacuum pump	1	B
12.	Laboratory Incubator	2	B
13.	Laboratory table	2	B
14.	Glassware set	1	B
15.	Autoclave for Microbiology	2	B
16.	Binocular microscope	10	B
17.	Micro pipettes set	1	A
18.	Automatic micropipet set	1	A

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19.	Standard wire loop set for Microbiology	1	A
20.	Automatic tissue processor	1	B
21.	Microtome and knives	1	B
22.	Wax bath series , related racks	1	B
K. Labor Room		Quantity	Priority
1.	Oxygen flow meter	6	B
2.	Infant warmer	2	A
3.	Ultrasonic wave nebulizer	1	B
4.	Suction apparatus	7	B
5.	Delivery bed	24	B
6.	Cardiotocograph (CTG)	4	B
7.	Fatal Doppler unit	4	B
8.	Medical refrigerator	4	B
9.	Deep freezer	2	B
10.	Ultrasound scanner unit for Obstetrics	1	B
11.	Baby suction unit	6	B
12.	Vacuum extractor	2	A
13.	Emergency resuscitator	2	B
14.	Mini autoclave	2	B
L. Premature Baby Unit (PBU)		Quantity	Priority
1.	Infant Incubator	6	B
2.	Pulse oxymeter	6	B
3.	Syringe pump	6	B
4.	Infusion pump	4	B
5.	ECG monitor	3	B
6.	Laryngoscope for neonatal	4	B
7.	Laryngoscope for pediatrics	2	B
8.	Mini autoclave	1	B
9.	Phototherapy unit	3	B
10.	BP apparatus set for children	1	B
11.	Transport incubator	1	B
12.	Glucometer	3	B
13.	Infant ventilator	1	A
14.	Portable infant ventilator	1	B
15.	Resuscitator table	3	A
16.	Ambue bag for neonatal	4	A
17.	Ambue bag for pediatrics	2	A
M. New PBU unit		Quantity	Priority
1.	Infant incubator	4	B
2.	Baby cot	6	B
3.	Phototherapy unit	2	B
4.	Resuscitator table	2	B
5.	Suction apparatus	2	B
6.	Infant ventilator	1	B
7.	Pulse oximeter	2	B
8.	Syringe pump	4	B
9.	Infusion pump	2	B
10.	Glucometer	1	B
11.	Apnea monitor	4	C
12.	ECG monitor	1	B
13.	Treatment & Drug carrying trolley	2	B
N. Wards		Quantity	Priority
1.	Suction apparatus	8	B
2.	BP apparatus	16	B
3.	Nebulizer	12	B
4.	Ambue bag	12	B
5.	Syringe pump	8	B

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6.	Infusion pump	8	B
7.	Medical Refrigerator	10	B
8.	Stretcher	50	B
9.	X-ray film illuminators for 1 film	10	B
O. Sterilization Unit		Quantity	Priority
1.	High pressure steam sterilizer	3	B
2.	Autoclave	3	B
3.	Instrument sterilizer, large size	2	B
4.	Instrument sterilizer, medium size	4	B
5.	Stainless sink unit for CSSD	1	B
6.	Storage cabinet for dressing container	4	B
7.	Cart for dressing container	1	B
8.	Dressing container set	2	B
P. Health Education Unit		Quantity	Priority
1.	Video camera , deck and TV monitor	1	B
2.	Overhead projector	1	A
3.	Slide projector & screen	1	A
4.	Training for CPR manikin set	1	A
5.	White writing board set	1	B
6.	Desk top computer set	1	B
Q. Maintenance unit		Quantity	Priority
1.	Electric maintenance equipment	1	B
2.	Mechanic maintenance equipment	1	B
3.	Maintenance tool set	1	B
R. Other equipment		Quantity	Priority
1.	Washing machine	4	B
2.	Drying machine	2	B
3.	Incinerator for medical waste	1	B
4.	Ambulance	1	B
5.	Mortuary cooler for 2 body	3	A
6.	Autopsy table	1	B
7.	Autopsy instruments set	1	B

Japan's Grant Aid Scheme

1. Grant Aid Procedures

1) Japan's Grant Aid Program is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
Determination of Implementation	(Exchange of Notes between the Governments of Japan and the recipient country)

2) Firstly, an application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Japan's Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereafter referred to as "the Study") conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Study are as follows:

- a) Confirmation of the background, objectives, and benefits of the requested Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation,
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view,
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project,
- d) Preparation of a basic design of the Project,
- e) Estimation of the costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid Project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations in the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firms(s) based on proposals submitted by interested firms. The firm(s) selected carry (ies) out the Basic Design Study and write(s) a report, based upon terms of reference set by JICA. The consulting firm(s) used for the Study which is (are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds needed to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under the principals in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant Aid" means the one fiscal year in which the Cabinet approves the Project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When both Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of the third country. However the prime contractors, namely, consulting contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers. 8

6) Undertakings required of the Government of recipient country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

- a) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction,
- b) To provide facilities of the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- c) To secure buildings prior to the procurement in case the installation of the equipment,
- d) To ensure prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,
- e) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,
- f) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work,
- g) To bear an advising commission of an authorization to pay (A/P) and payment commissions to the bank, with which the Government of the recipient country opens an account for the Project.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid.

8) "Re-export"

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

9) Banking Arrangements (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient

country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

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Major Undertakings to be Taken by Each Government

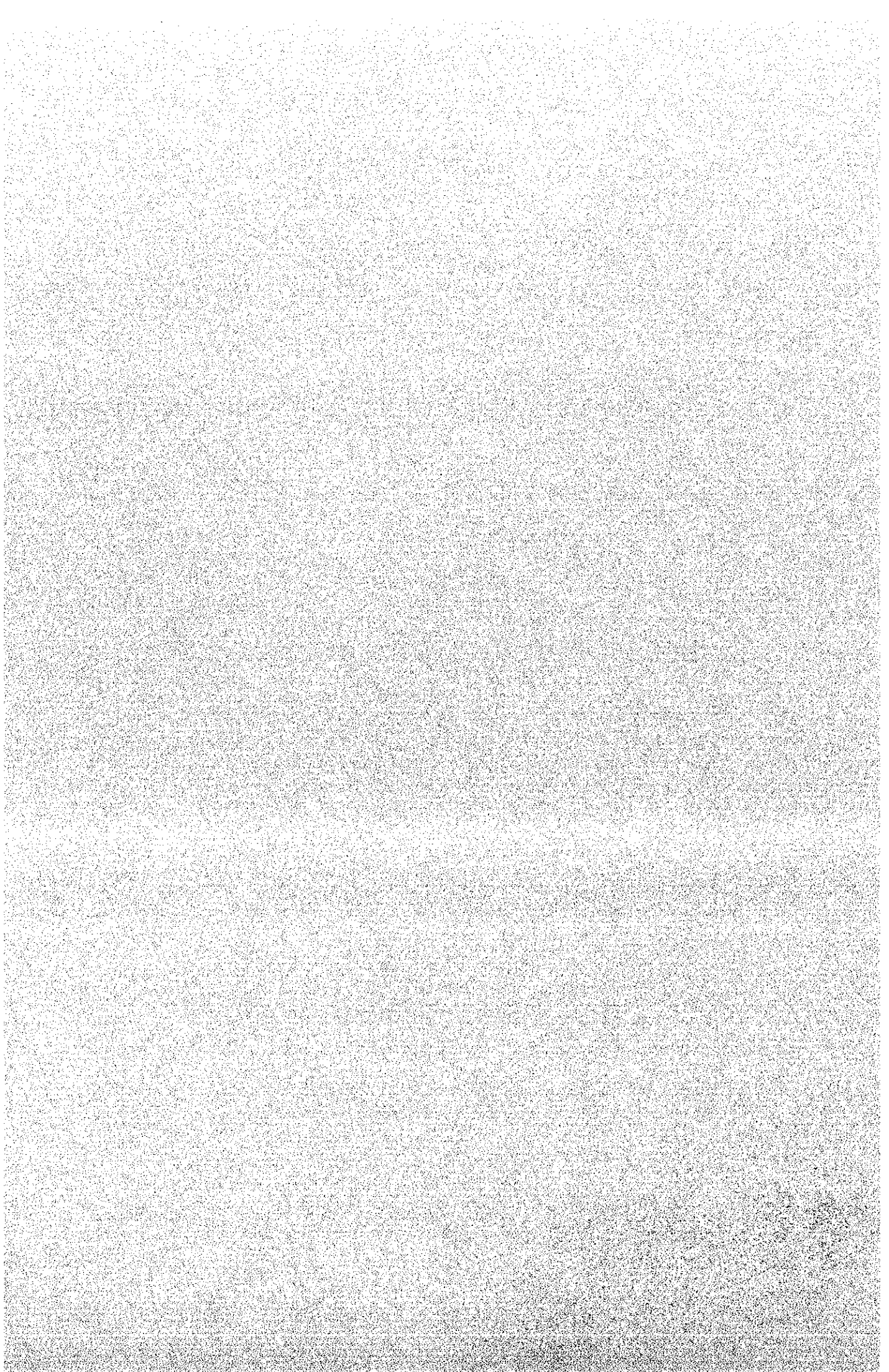
NO	Items	To be covered by the Grant Aid	To be covered by the Recipient side
1	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
2	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		●
	3) Internal transportation from the port of disembarkation to the project site	(●)	(●)
3	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		●
4	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		●
5	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		●
6	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment		●

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5. Minutes of Discussion (in Draft Report Explanation)



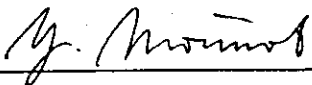
MINUTES OF DISCUSSIONSON THE BASIC DESIGN STUDY
ON THE PROJECT FOR IMPROVEMENT OF GENERAL HOSPITAL MATARA
IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
(EXPLANATION ON DRAFT REPORT)

In September, 2000 the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Improvement of General Hospital Matara (thereinafter referred to as "the Project") to the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as "Sri Lanka"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

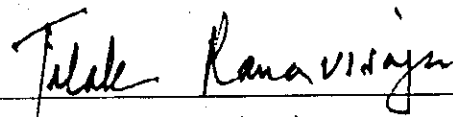
In order to explain and to consult the Sri Lankan side on the components of the draft report, JICA sent to Sri Lanka the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Yasuhiro Morimoto, Deputy Director, Second Project Management Division, Grant Aid Management Department, JICA, and is scheduled to stay in the country from December 3 to December 23, 2000.

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

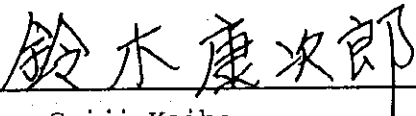
Colombo, December 15 , 2000



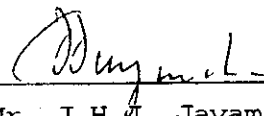
Mr. Yasuhiro Morimoto
Leader
Draft Report Explanation Team
Japan International Cooperation
Agency



Mr. Tilak Ranaviraja
Secretary
Ministry of Health



for Mr. Seiji Kaiho
Resident Representative
JICA Sri Lanka Office



Mr. J.H.S. Jayamaha
Director (Japan Division)
Department of External Resources
Ministry of Finance & Planning

ATTACHMENT

1. Components of the Draft Report

The Government of Sri Lanka agreed and accepted in principle the components of the draft report explained by the Team.

2. Japan's Grant Aid Scheme

The Sri Lankan side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Sri Lanka as explained by the Team and described in Annex-2 and Annex-3 of the Minutes of Discussions signed by both parties on September 19, 2000.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed item and send it to the Government of Sri Lanka by April, 2001.

4. Other relevant issues

4-1. After discussions with the Team, the items and quantities in the Annex were finally requested by the Sri Lankan side. Among the items and quantities in the Annex, the following items and quantities are beyond the components of the draft report and assessed necessary and appropriate to be considered as the components of the Project by the Team. The request will be conveyed to the Government of Japan for consideration.

Item	Quantity	Place
A-17 nebulizer	one unit	Emergency Treatment Unit
B'-5 ECG monitor	one unit	Operating Theater of Obstetrics & Gynaecology Department
I-14 lead glass & doors	one set	Radiology Section
R-7 iron	two units	Others

4-2. The Sri Lankan side requested the consultant services for medical waste management, hospital management and medical equipment management as one of the components of Grant Aid.

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4-3. The Ministry of Health shall make necessary budgetary provision to settle GST, NSL, custom duties, any other taxes, duties and fiscal levies applicable for equipment and materials procured under the Project, which is estimated at approximately twenty seven million Japanese yen (equivalent to twenty million Sri Lankan rupees) at the moment. The Ministry of Health shall notify the Japanese side through JICA Sri Lanka Office (c.c. Embassy of Japan) of all the actions taken by the Ministry of Health relating to this budgetary provision.

4-4. The Ministry of Health shall make necessary budgetary provision to meet the additional annual expenditure on the operation and maintenance of the equipment and materials procured under the Project which is estimated at approximately fourteen million Japanese yen (equivalent to ten million Sri Lankan rupees) at the moment.

4-5. The Sri Lankan side will construct the laundry facility including utilities such as power supply, water supply, drainage and will complete the construction work by October 31, 2001. If the construction work of the laundry facility is not commenced by April 30, 2001, the items related to the laundry facility may be eliminated from the equipment procured under the Project. Once the construction work is commenced, the Sri Lankan side will report the monthly progress of the work to the Japanese side through JICA Sri Lanka Office (c.c. Embassy of Japan).

4-6. The Sri Lankan side shall make necessary renovation work of the X-ray room such as the expansion of the room, the removal of the window and the completion of the wall, the thickening of the wall to assure protection against radiation and the installation of air-conditioner. The Sri Lankan side shall complete the renovation work of the X-ray room except for the installation of the lead glass and the lead doors before the equipment arrives in Sri Lanka. The Sri Lankan side shall install the lead glass and the lead doors immediately after their arrival in Sri Lanka. Once the renovation work is commenced, the Sri Lankan side will report the monthly progress of the work to the Japanese side through JICA Sri Lanka Office (c.c. Embassy of Japan).

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4-7. The Sri Lankan side will construct the foundation of the incinerator and will complete the foundation work by October 31, 2001. If the foundation work for the incinerator is not commenced by April 30, 2001, the items related to the incinerator may be eliminated from the equipment procured under the Project. Once the foundation work is commenced, the Sri Lankan side will report the monthly progress of the work to the Japanese side through JICA Sri Lanka Office (c.c. Embassy of Japan). The General Hospital Matara shall carry out the medical waste management plan including segregation and minimizing of waste, classification by color code, proper storing and so forth. When the incinerator is installed, the environmental guideline laid down by the Central Environmental Authority should be followed.

4-8. The Sri Lankan side will complete the installation work of the medical gas distribution lines in the new obstetric and gynecology department building by December 2001.

4-9. The Ministry of Health shall assign a cardiologist and a pathologist who are presently undergoing abroad training as consultants to the General Hospital Matara once they return to Sri Lanka in the year 2001. The Ministry of Health shall notify the Japanese side through JICA Sri Lanka Office (c.c. Embassy of Japan) of all the progress relating to this assignment.

4-10. The Ministry of Health shall assure that the General Hospital Matara, together with the Ministry of Health, will establish an administrative framework and ensure accountability which are necessary for proper maintenance and repair of medical equipment and maintain them with assistance of BES. The Ministry of Health shall take necessary measures including assignment of personnel, provision of material, allocation of budget, establishment of maintenance system and so forth, to ensure proper and effective use of the equipment procured for the Project.

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Equipment List

A. Emergency Treatment Unit

No	Equipment	Quantity
1	Bedside monitor	1
2	Defibrillator	1
3	Infusion pump	1
4	Pulse oximeter	2
5	Emergency resuscitator	1
6	Laryngoscope	1
7	ECG machine	1
8	Sterilizer	1
9	Gatch Bed	2
10	Emergency Cart	1
11	Patient trolley	2
12	Oxygen Flow meter	1
13	Minor surgical instrument set	1
14	Set of Ophthalmo and Otoscope	1
15	Sphygmomanometer	2
16	Clinical set for ETU	1
*17	Nebulizer	1
18	Suction apparatus	1

B. Operating Unit

No	Equipment	Quantity
1	Cystoscope set	1
2	Pulse oximeter	1
3	Defibrillator	1
4	Operating Microscope for ENT	1
5	Anesthesia with ventilator	1
6	Surgical scrub station unit	2
7	Electro surgical unit	2
8	Dermatome	1
9	Oxygen flow meter	2
10	Pediatrics surgical instrument set	1
11	Surgical instrument set	1
12	ECG monitor	2
13	Instrument cabinet	2
14	Recovery bed	2
15	Patient trolley	2
16	Sterilizing hand washing unit	1
17	Medical Refrigerator	1
18	Laparoscope forceps set	1
19	Bone drill	1
20	Bone saw	1

Remarks: The items marked with "*" are newly added and the team will convey the request to the government of Japan for consideration as mentioned in the article 4-1 of the ATTACHMENT.

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21	Bone surgical instruments set	1
22	Capnometer	1
23	Nasopharyngoscope set for ENT	1
24	Laryngoscope set for ENT	1

B'. Operating Unit

No	Equipment	Quantity
1	Pulse oximeter	1
2	Defibrillator	1
3	Anesthesia with ventilator	2
4	Electro surgical unit	1
*5	ECG monitor	2
6	Suction apparatus	2
7	Instrument cabinet	1
8	Instrument cart	2
9	Recovery bed	1
10	Patient trolley	2
11	Sterilizing hand washing unit	2
12	Medical Refrigerator	1
13	Operating table	2
14	Shadowless lamp	2

C. Endoscopy Unit

No	Equipment	Quantity
1	Gastrointestinal fiberscope set	1
2	Colono fiberscope set	1
3	Video monitor set	1
4	Light source for endoscopes	1
5	Disinfections container	1
6	Endoscope cabinet	1
7	Broncho fiberscope set	1
8	Endoscopic suction pump	1
9	Endoscopy procedure cart	1
10	Leakage tester	1

D. ICU, SICU

No	Equipment	Quantity
1	ICU bed	4
2	Ventilator for ICU	2
3	Potable ventilator	1
4	Pulse Oximeter	1
5	Defibrillator	1
6	ECG monitor	2
7	Blood gas analyzer	1
8	X-ray film viewer for 2 films	1
9	Nebulizer	2
10	Instrument cabinet	2
11	Instrument cart	2

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12	Syringe pump	4
13	Oxygen flow meter	4
14	Capnometer	1
15	Autoclave, table top	1

E. CCU, ICCU

No	Equipment	Quantity
1	Ventilator for adult	1
2	ECG machine	1
3	Suction apparatus	4
4	Sphygmomanometer	2
5	Nebulizer	4
6	Ambue bag	2
7	Bedside monitor	4
8	Defibrillator	2
9	Pulse oximeter	2
10	Syringe pump	3
11	Exercise ECG	1
12	Gatch bed	4

F. OPD Clinic

No	Equipment	Quantity
1	Pure Tone Audiometer	1
2	Impedance audiometer	1
3	Sphygmomanometer	8
4	Set of ophthalmo and Oscope	3
5	Minor surgical instruments set	1
6	Medical refrigerator	3
7	Instrument cabinet	6
8	Instrument cart	3
9	Spot lamp	5
10	Suction apparatus for ENT	1
11	Fiber optic ENT scope	1
12	Head mirror set for ENT	1
13	ENT treatment unit	1

G. Eye unit

No	Equipment	Quantity
1	Operation microscope	1
2	Echo unit for Ophthalmology, A & B scan	1
3	Visual field analyzer	1
4	Slit lamp with tonometer	2
5	Anesthesia with ventilator	1
6	Pulse oximeter	1
7	Micro instrument set for Eye	2

H. Dental Clinic & Oral & Maxillo Facial unit

No	Equipment	Quantity
1	Dental chairs with compressor	3

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2	Light cure machine	2
3	Suction unit	1
4	Autoclave, table top	2
5	Micromotor drill	1
6	Air motor drill	1
7	Mini plating kits	1
8	Micro plating kits	1
9	Pulse oximeter	1

I. Radiology section

No	Equipment	Quantity
1	Ultrasound scanner unit	1
2	General X-ray unit	1
3	Fluoroscopy X-ray unit	1
4	Mobile X-ray unit	1
5	Film mark set	2
6	X-ray film storage cabinet	1
7	X-ray protective aprons	3
8	Aprons hangers	3
9	Panoramic X-ray unit	1
10	Dental X-ray unit	1
11	X-ray film viewer for 1film	2
12	X-ray film viewer for 4 films	1
13	X-ray Cassettes with screen set	1
*14	Lead glass and doors	1

J. Laboratory

No	Equipment	Quantity
1	Colony counter for Microbiology	1
2	Spectrophotometer	1
3	pH meter	2
4	Freezer, small	1
5	Medical refrigerator	3
6	Water distillation apparatus	1
7	Micro-plate rotator	1
8	Water bath	2
9	Pipette washer	1
10	Aspirator	1
11	Laboratory Incubator	2
12	Laboratory table	2
13	Glassware set	1
14	Autoclave for Microbiology	2
15	Binocular microscope	4
16	Micro pipettes set	1
17	Automatic micropipet set	1
18	Standard wire loop set for Microbiology	1
19	Automatic tissue processor	1
20	Microtome and knives	1
21	Wax bath set	1

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K. Labor Room

No	Equipment	Quantity
1	Oxygen flow meter	3
2	Infant warmer	1
3	Nebulizer	1
4	Suction apparatus	3
5	Delivery bed	6
	Labor bed	9
6	Cardiotocograph (CTG)	2
7	Fetal Doppler unit	2
8	Medical refrigerator	1
9	Freezer, small	1
10	Ultrasound scanner unit for Obstetrics	1
11	Baby suction unit	3
12	Vacuum extractor	1
13	Autoclave, table top	1

L. Premature Baby Unit (PBU)

No	Equipment	Quantity
1	Infant Incubator	2
2	Pulse Oximeter	4
3	Syringe pump	4
4	Infusion pump	2
5	ECG monitor	1
6	Laryngoscope for neonatal	2
7	Laryngoscope for pediatrics	2
8	Autoclave, table top	1
9	Phototherapy unit	2
10	Sphygmomanometer set for children	1
11	Transport incubator	1
12	Infant ventilator	1
13	Resuscitator table	1
14	Ambue bag for neonatal	3
15	Ambue bag for pediatrics	2

M. New PBU unit

No	Equipment	Quantity
1	Infant incubator	4
2	Phototherapy unit	2
3	Resuscitator table	2
4	Suction apparatus	2
5	Infant ventilator	1
6	Pulse oximeter	2
7	Syringe pump	2
8	Glucometer	1
9	ECG monitor	1
10	Treatment & Drug carrying trolley	1

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N. Wards

No	Equipment	Quantity
1	Suction apparatus	6
2	Sphygmomanometer	4
3	Nebulizer	3
4	Ambue bag	4
5	Medical Refrigerator	5
6	Patient trolley	10
7	X-ray film viewer for 1film	6

O. Sterilization Unit

No	Equipment	Quantity
1	Autoclave, large size	2
2	Autoclave, medium size	1
3	Instrument sterilizer, large size	2
4	Instrument sterilizer, medium size	4
5	Stainless sink unit for CSSD	1
6	Storage cabinet for dressing container	3
7	Cart for dressing container	1
8	Dressing container set	1

P. Health Education Unit

No	Equipment	Quantity
1	Video camera	1
	Video deck and TV monitor	2
2	Overhead projector	1
3	Slide projector and screen	1
4	CPR training manikin set, adult	1
	CPR training manikin set, infant	1
5	White writing board set	1
6	Desk top computer set	1

Q. Maintenance unit

No	Equipment	Quantity
1	Electric maintenance equipment	1
2	Mechanic maintenance equipment	1
3	Maintenance tool set	1

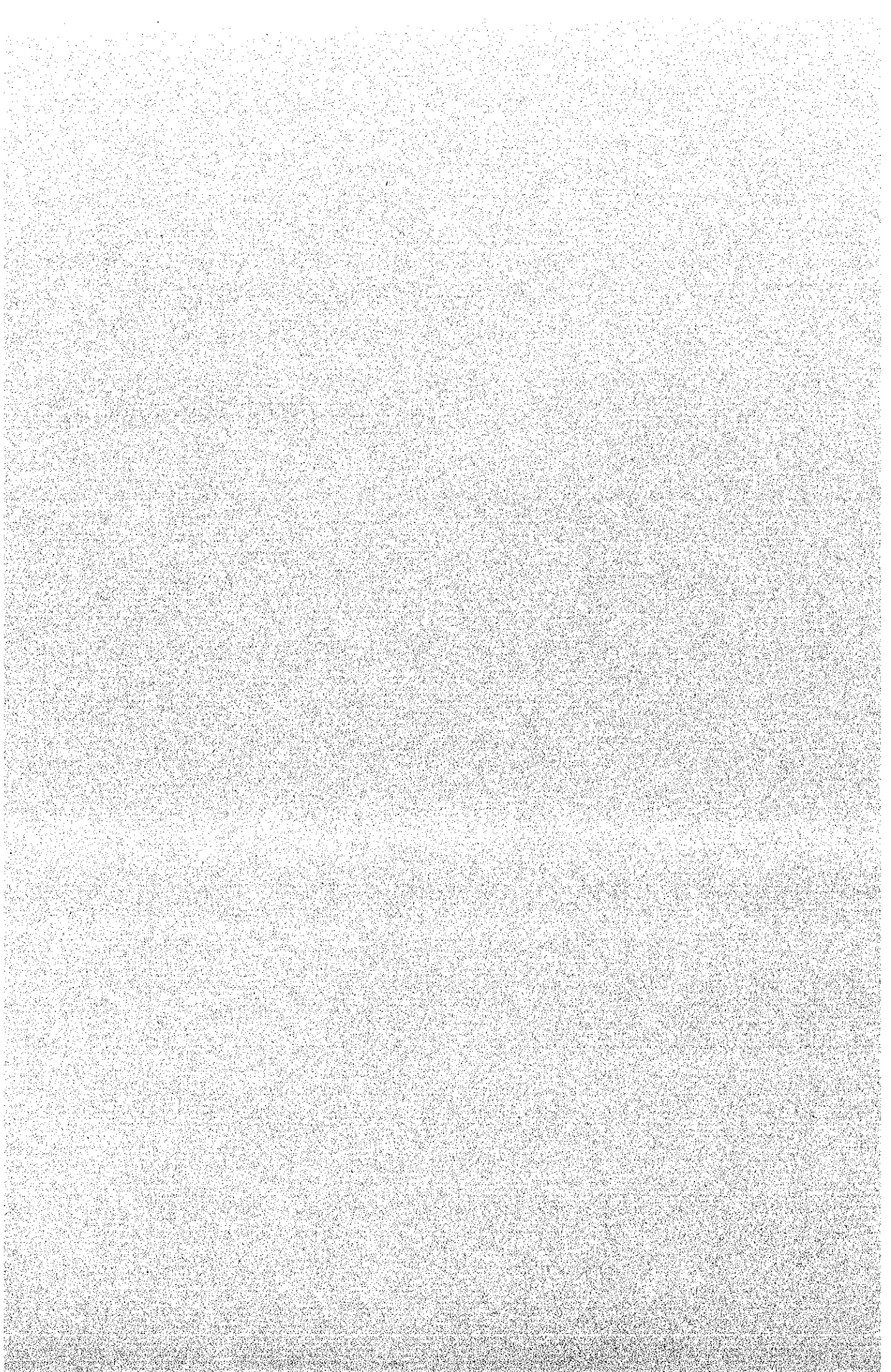
R. Others

No	Equipment	Quantity
1	Washing machine	3
2	Drying machine	2
3	Incinerator for medical waste	1
4	Mortuary cooler for 2 bodies	3
5	Autopsy table	1
6	Autopsy instruments set	1
*7	Ironing machine	2

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6. Basic Design Equipment List



6. Basic Design Equipment List

A. Emergency Treatment Unit

No	Equipment	Quantity
1	Bedside monitor	1
2	Defibrillator	1
3	Infusion pump	1
4	Pulse oximeter	2
5	Emergency resuscitator	1
6	Laryngoscope	1
7	ECG machine	1
8	Sterilizer	1
9	Gatch Bed	2
10	Emergency Cart	1
11	Patient trolley	2
12	Oxygen Flow meter	1
13	Minor surgical instrument set	1
14	Set of Ophthalmo and Oscope	1
15	Sphygmomanometer	2
16	Clinical set for ETU	1
17	Nebulizer	1
18	Suction apparatus	1

B. Operating Unit

No	Equipment	Quantity
1	Cystoscope set	1
2	Pulse oximter	1
3	Defibrillator	1
4	Operating Microscope for ENT	1
5	Anesthesia with ventilator	1
6	Surgical scrub station unit	2
7	Electro surgical unit	2
8	Dermatome	1
9	Oxygen flow meter	2
10	Pediatrics surgical instrument set	1
11	Surgical instrument set	1
12	ECG monitor	2
13	Instrument cabinet	2
14	Recovery bed	2
15	Patient trolley	2
16	Sterilizing hand washing unit	1
17	Medical Refrigerator	1
18	Laparoscope forceps set	1
19	Bone drill	1
20	Bone saw	1
21	Bone surgical instruments set	1

22	Capnometer	1
23	Nasopharyngoscope set for ENT	1
24	Laryngoscope set for ENT	1

B. Operating Unit

No	Equipment	Quantity
1	Pulse oximeter	1
2	Defibrillator	1
3	Anesthesia with ventilator	2
4	Electro surgical unit	1
5	ECG monitor	2
6	Suction apparatus	2
7	Instrument cabinet	1
8	Instrument cart	2
9	Recovery bed	1
10	Patient trolley	2
11	Sterilizing hand washing unit	2
12	Medical Refrigerator	1
13	Operating table	2
14	Shadowless lamp	2

C. Endoscopy Unit

No	Equipment	Quantity
1	Gastrointestinal fiberscope set	1
2	Colono fiberscope set	1
3	Video monitor set	1
4	Light source for endoscopes	1
5	Disinfections container	1
6	Endoscope cabinet	1
7	Broncho fiberscope set	1
8	Endoscopic suction pump	1
9	Endoscopy procedure cart	1
10	Leakage tester	1

D. ICU, SICU

No	Equipment	Quantity
1	ICU bed	4
2	Ventilator for ICU	2
3	Potable ventilator	1
4	Pulse Oximeter	1
5	Defibrillator	1
6	ECG monitor	2
7	Blood gas analyzer	1
8	X-ray film viewer for 2 films	1
9	Nebulizer	2
10	Instrument cabinet	2
11	Instrument cart	2
12	Syringe pump	4
13	Oxygen flow meter	4

14	Capnometer	1
15	Autoclave, table top	1

E. CCU, ICCU

No	Equipment	Quantity
1	Ventilator for adult	1
2	ECG machine	1
3	Suction apparatus	4
4	Sphygmomanometer	2
5	Nebulizer	4
6	Ambue bag	2
7	Bedside monitor	4
8	Defibrillator	2
9	Pulse oximeter	2
10	Syringe pump	3
11	Exercise ECG	1
12	Gatch bed	4

F. OPD Clinic

No	Equipment	Quantity
1	Pure Tone Audiometer	1
2	Impedance audiometer	1
3	Sphygmomanometer	8
4	Set of ophthalmic and Otoscope	3
5	Minor surgical instruments set	1
6	Medical refrigerator	3
7	Instrument cabinet	6
8	Instrument cart	3
9	Spot lamp	5
10	Suction apparatus for ENT	1
11	Fiber optic ENT scope	1
12	Head mirror set for ENT	1
13	ENT treatment unit	1

G. Eye unit

No	Equipment	Quantity
1	Operation microscope	1
2	Echo unit for Ophthalmology, A & B scan	1
3	Visual field analyzer	1
4	Slit lamp with tonometer	2
5	Anesthesia with ventilator	1
6	Pulse oximeter	1
7	Micro instrument set for Eye	2

H. Dental Clinic & Oral & Maxillo Facial unit

No	Equipment	Quantity
1	Dental chairs with compressor	3
2	Light cure machine	2
3	Suction unit	1

4	Autoclave, table top	2
5	Micromotor drill	1
6	Air motor drill	1
7	Mini plating kits	1
8	Micro plating kits	1
9	Pulse oximeter	1

I. Radiology section

No	Equipment	Quantity
1	Ultrasound scanner unit	1
2	General X-ray unit	1
3	Fluoroscopy X-ray unit	1
4	Mobile X-ray unit	1
5	Film mark set	2
6	X-ray film storage cabinet	1
7	X-ray protective aprons	3
8	Aprons hangers	3
9	Panoramic X-ray unit	1
10	Dental X-ray unit	1
11	X-ray film viewer for 1film	2
12	X-ray film viewer for 4 films	1
13	X-ray Cassettes with screen set	1
14	Lead glass and doors	1

J. Laboratory

No	Equipment	Quantity
1	Colony counter for Microbiology	1
2	Spectrophotometer	1
3	pH meter	2
4	Freezer, small	1
5	Medical refrigerator	3
6	Water distillation apparatus	1
7	Micro-plate rotator	1
8	Water bath	2
9	Pipette washer	1
10	Aspirator	1
11	Laboratory Incubator	2
12	Laboratory table	2
13	Glassware set	1
14	Autoclave for Microbiology	2
15	Binocular microscope	4
16	Micro pipettes set	1
17	Automatic micropipet set	1
18	Standard wire loop set for Microbiology	1
19	Automatic tissue processor	1
20	Microtome and knives	1
21	Wax bath set	1

K. Labor Room

No	Equipment	Quantity
1	Oxygen flow meter	3
2	Infant warmer	1
3	Nebulizer	1
4	Suction apparatus	3
5	Delivery bed	6
	Labor bed	9
6	Cardiotocograph (CTG)	2
7	Fetal Doppler unit	2
8	Medical refrigerator	1
9	Freezer, small	1
10	Ultrasound scanner unit for Obstetrics	1
11	Baby suction unit	3
12	Vacuum extractor	1
13	Autoclave, table top	1

L. Premature Baby Unit (PBU)

No	Equipment	Quantity
1	Infant Incubator	2
2	Pulse Oximeter	4
3	Syringe pump	4
4	Infusion pump	2
5	ECG monitor	1
6	Laryngoscope for neonatal	2
7	Laryngoscope for pediatrics	2
8	Autoclave, table top	1
9	Phototherapy unit	2
10	Sphygmomanometer set for children	1
11	Transport incubator	1
12	Infant ventilator	1
13	Resuscitator table	1
14	Ambue bag for neonatal	3
15	Ambue bag for pediatrics	2

M. New PBU unit

No	Equipment	Quantity
1	Infant incubator	4
2	Phototherapy unit	2
3	Resuscitator table	2
4	Suction apparatus	2
5	Infant ventilator	1
6	Pulse oximeter	2
7	Syringe pump	2
8	Glucometer	1
9	ECG monitor	1
10	Treatment & Drug carrying trolley	1

N. Wards

No	Equipment	Quantity
1	Suction apparatus	6
2	Sphygmomanometer	4
3	Nebulizer	3
4	Ambue bag	4
5	Medical Refrigerator	5
6	Patient trolley	10
7	X-ray film viewer for 1film	6

O. Sterilization Unit

No	Equipment	Quantity
1	Autoclave, large size	2
2	Autoclave, medium size	1
3	Instrument sterilizer, large size	2
4	Instrument sterilizer, medium size	4
5	Stainless sink unit for CSSD	1
6	Storage cabinet for dressing container	3
7	Cart for dressing container	1
8	Dressing container set	1

P. Health Education Unit

No	Equipment	Quantity
1	Video camera	1
	Video deck and TV monitor	2
2	Overhead projector	1
3	Slide projector and screen	1
4	CPR training manikin set, adult	1
	CPR training manikin set, infant	1
5	White writing board set	1
6	Desk top computer set	1

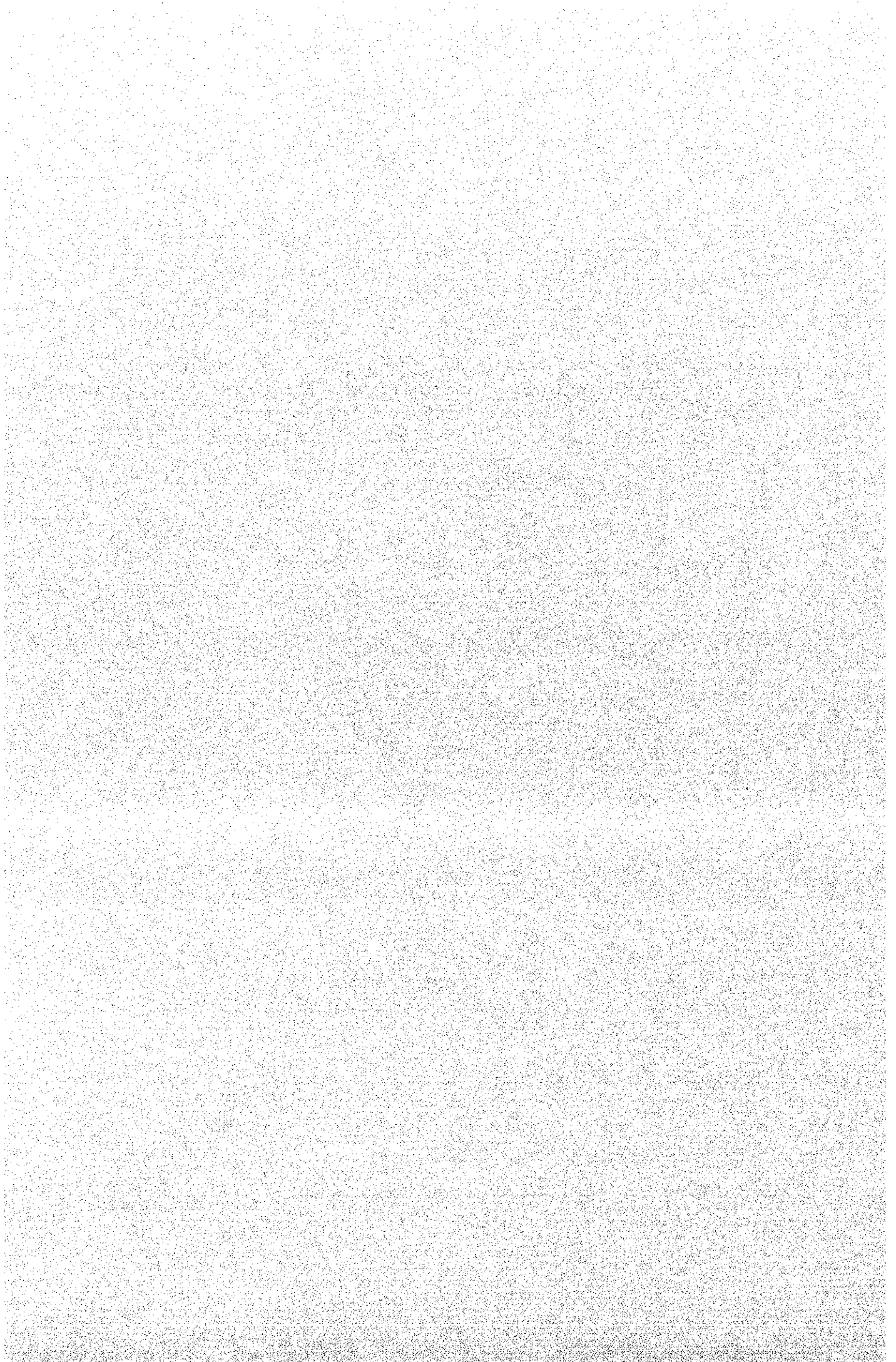
Q. Maintenance unit

No	Equipment	Quantity
1	Electric maintenance equipment	1
2	Mechanic maintenance equipment	1
3	Maintenance tool set	1

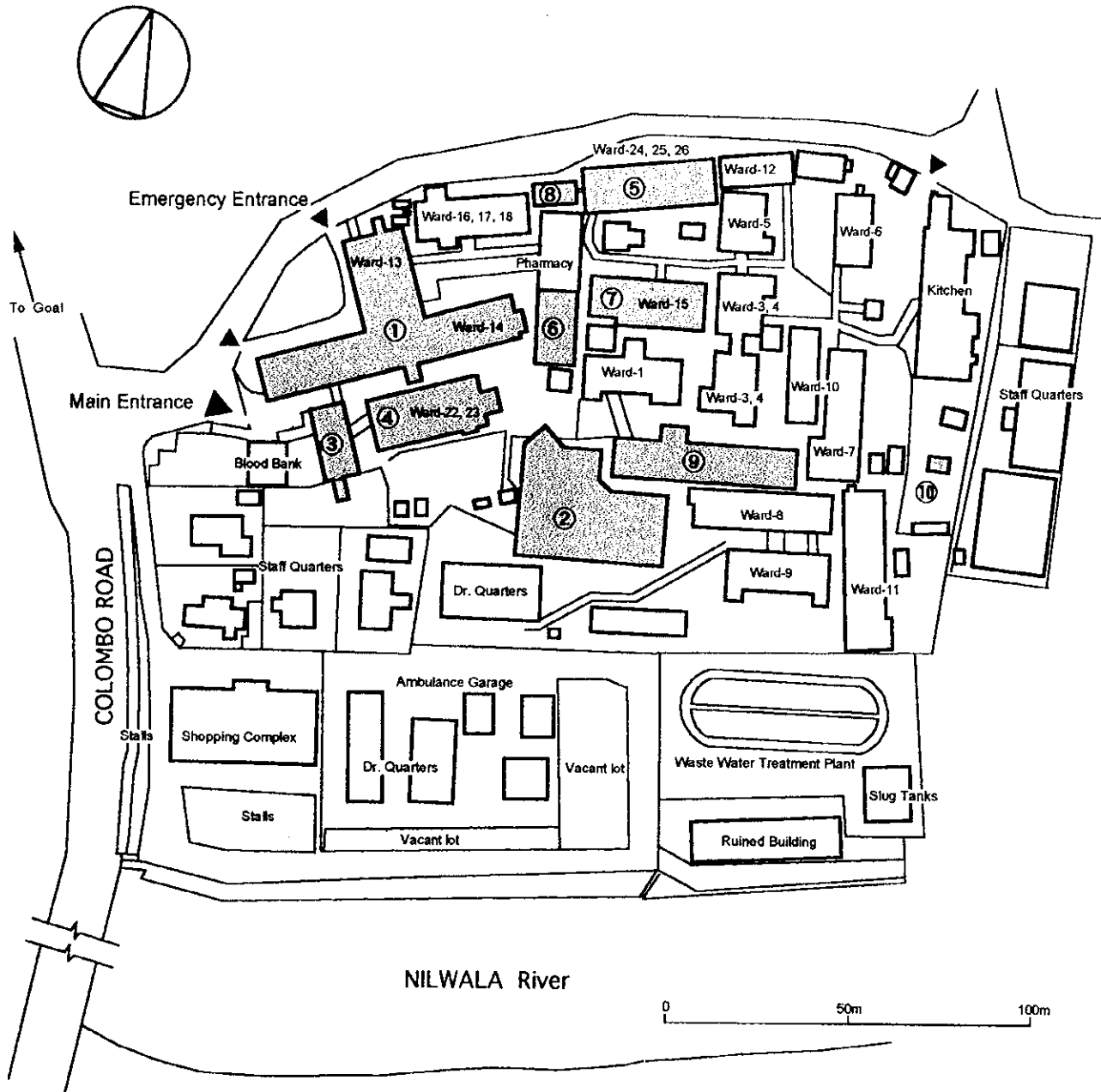
R. Others

No	Equipment	Quantity
1	Washing machine	3
2	Drying machine	2
3	Incinerator for medical waste	1
4	Mortuary cooler for 2 bodies	3
5	Autopsy table	1
6	Autopsy instruments set	1
7	Ironing machine	2

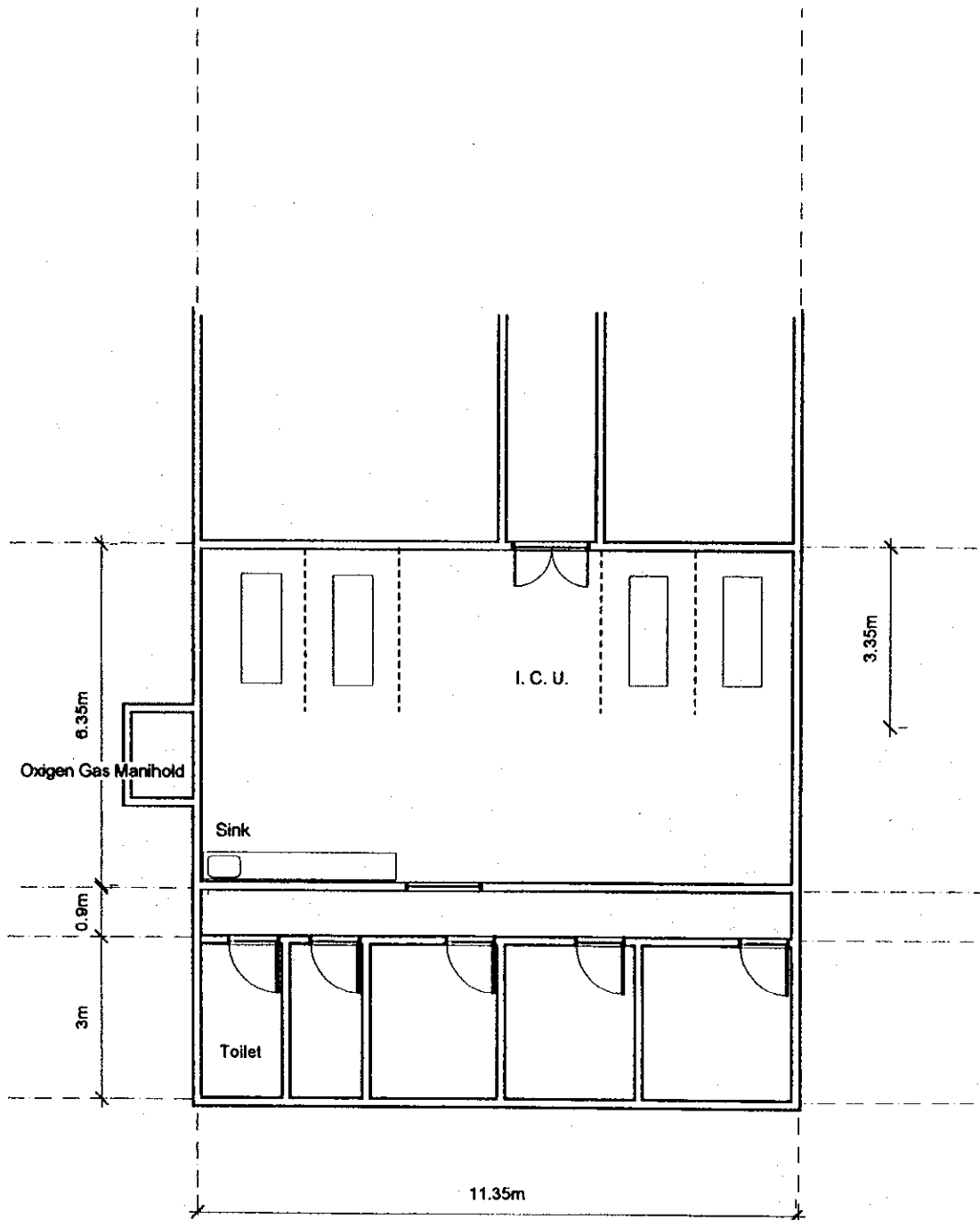
7. Proposed Lay-out Plans of the Equipment Installation



SITE PLAN OF MATARA GENERAL HOSPITAL

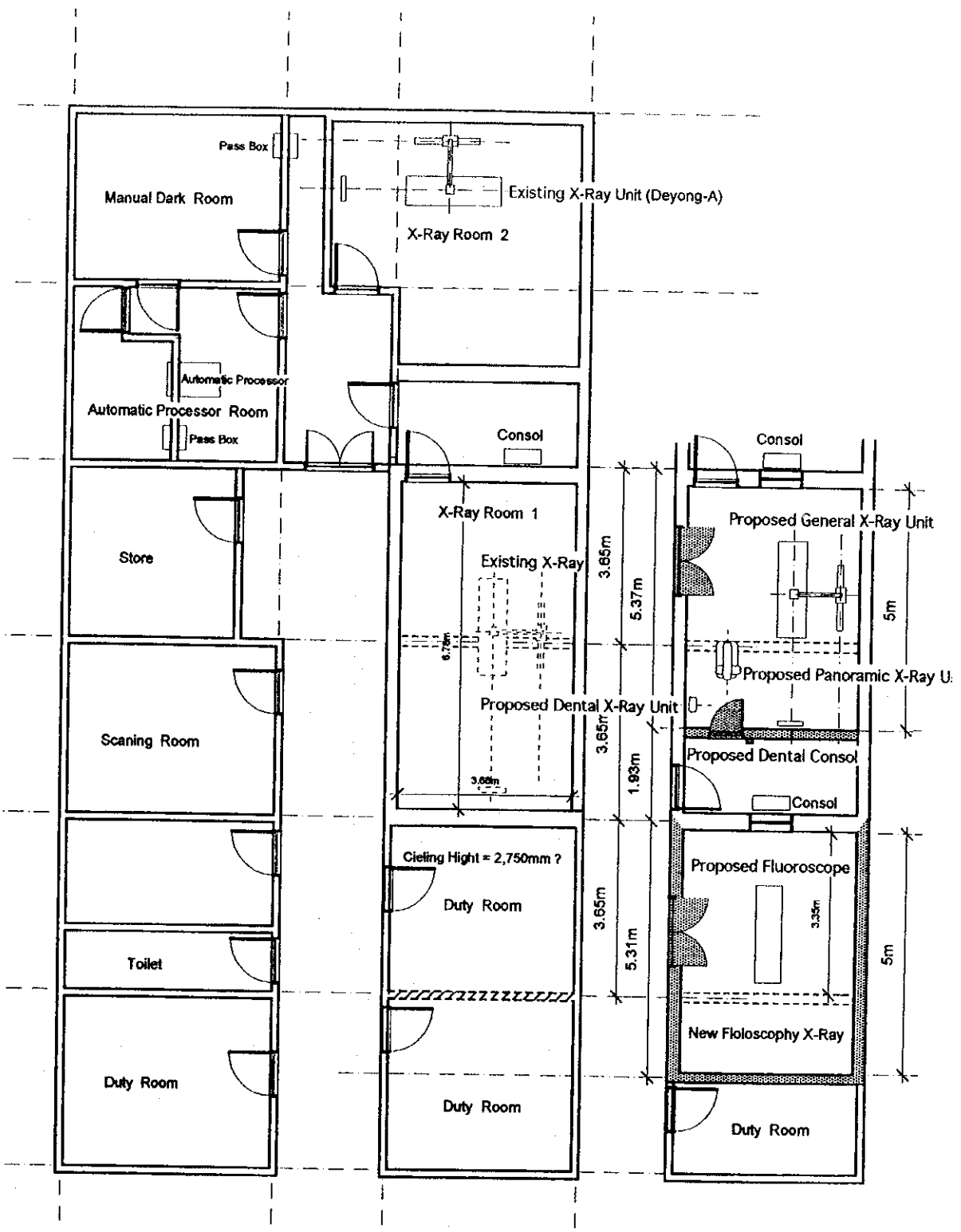


- | | |
|---|---|
| <p>① : OPD/Radiology/Surgery
 GF : Radiology, Urtra Sound, ECG, ETU
 1F : OPD : OPD Clinic, ENT, Surgery
 Medicine, Pediatrics, Psychiatry
 STD, Dermatology
 2F : Surgical Ward, Operation Theater(A)</p> <p>② : New Maternity
 GF : Maternity Operation Theater, PBU, ICU
 1F : Labour Room, MaternityWard</p> <p>③ : Surgery/Cardiology
 GF · 1F : Cardiology
 2F : Operation Theater(B)</p> <p>④ : ICU/Physiotherapy
 GF : ICU/Physiotherapy
 1F · 3F : Surgical Ward</p> | <p>⑤ : Ophthalmology/ENT/Dental/Dermatology
 GF : Ophthalmology OT, Ophthalmology Ward
 1F : ENT/Dental/Maxillo Facial Ward
 Sound Proof Room
 2F : Dermatology Ward</p> <p>⑥ : Laboratory
 GF : Bacteriology, Hematology, Biochemistly
 1F : Proposed Histo-Pathology</p> <p>⑦ : Pediatric Ward
 GF : Pediatric Ward, PBU
 1F : Pediatric Ward</p> <p>⑧ : Maxillo Facial
 1F : Maxillo Facial Clinic</p> <p>⑨ : Existing Maternity</p> <p>⑩ : Mortuary</p> |
|---|---|



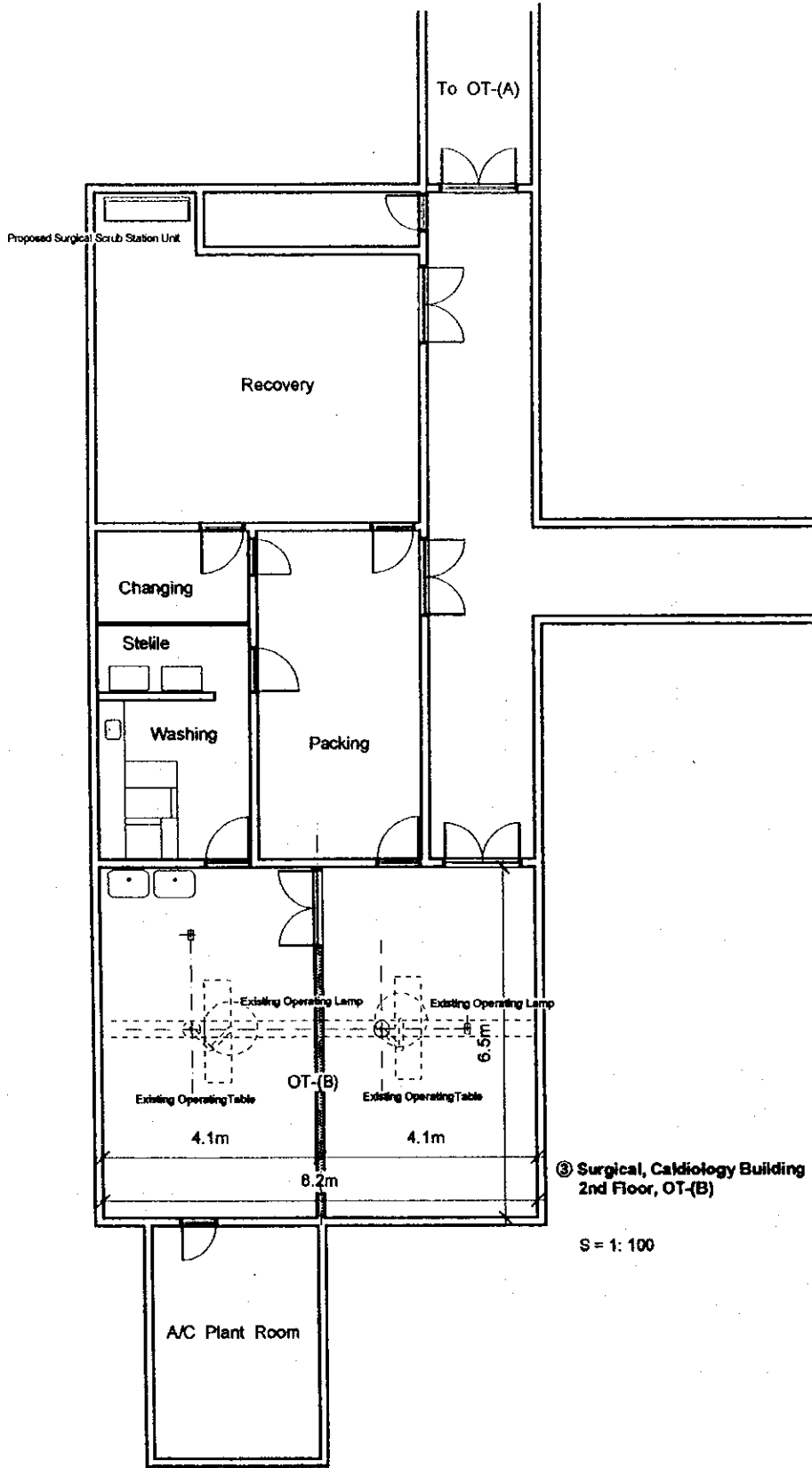
④ ICU, Physiotherapy, Surgical Ward
Ground Floor, ICU Unit

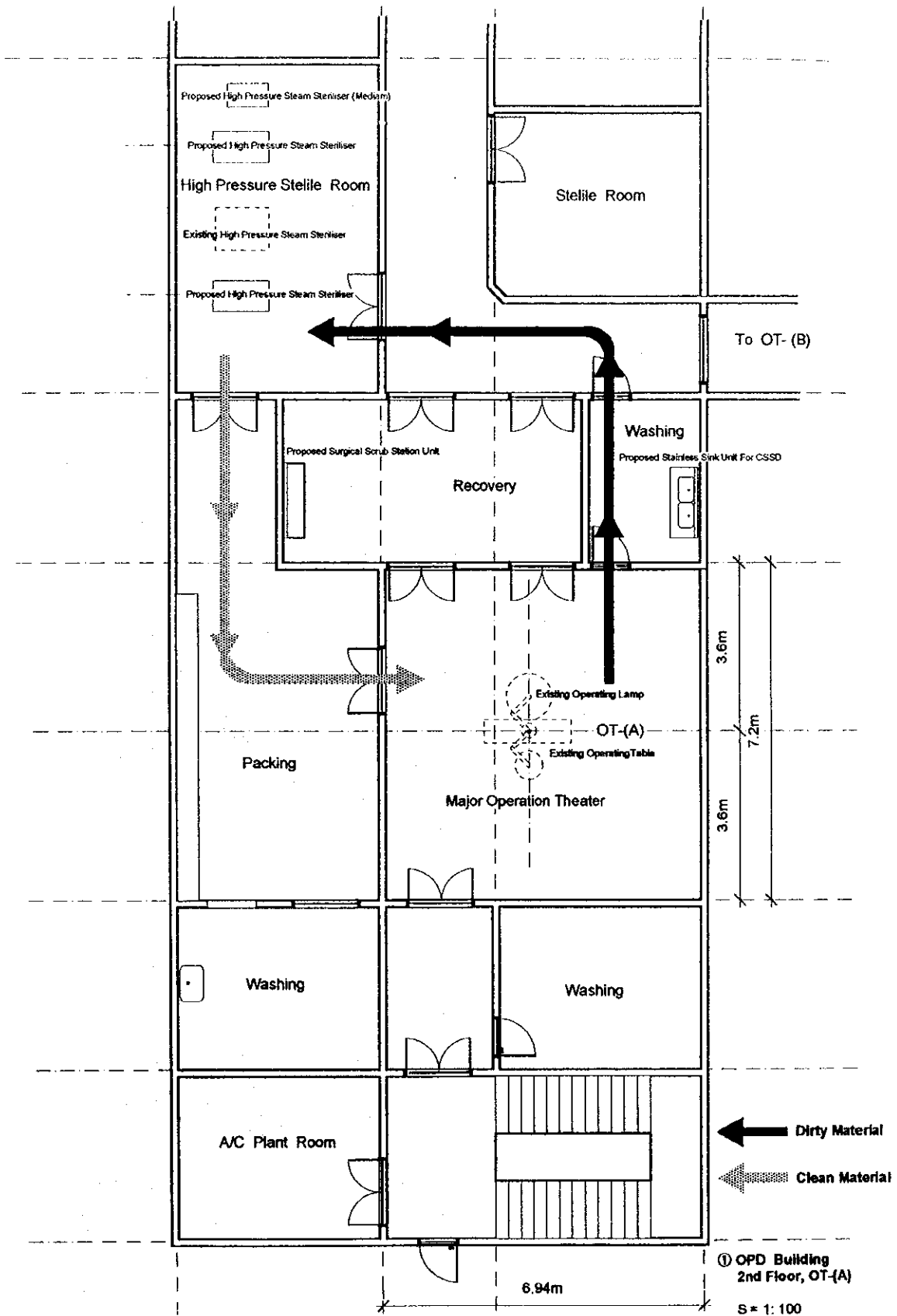
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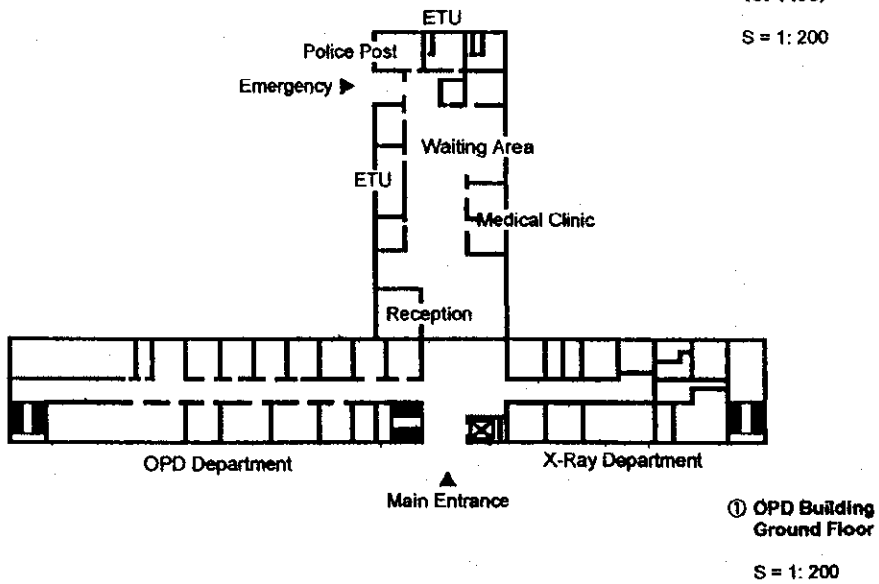
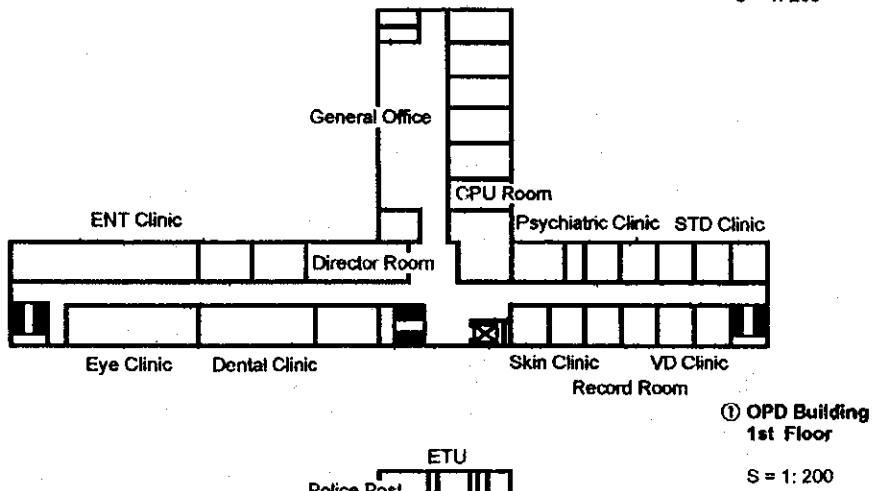
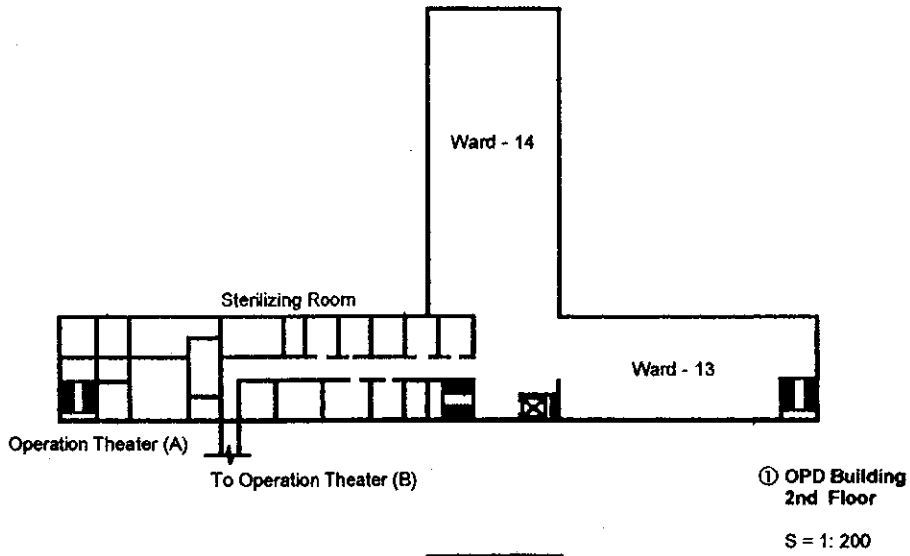


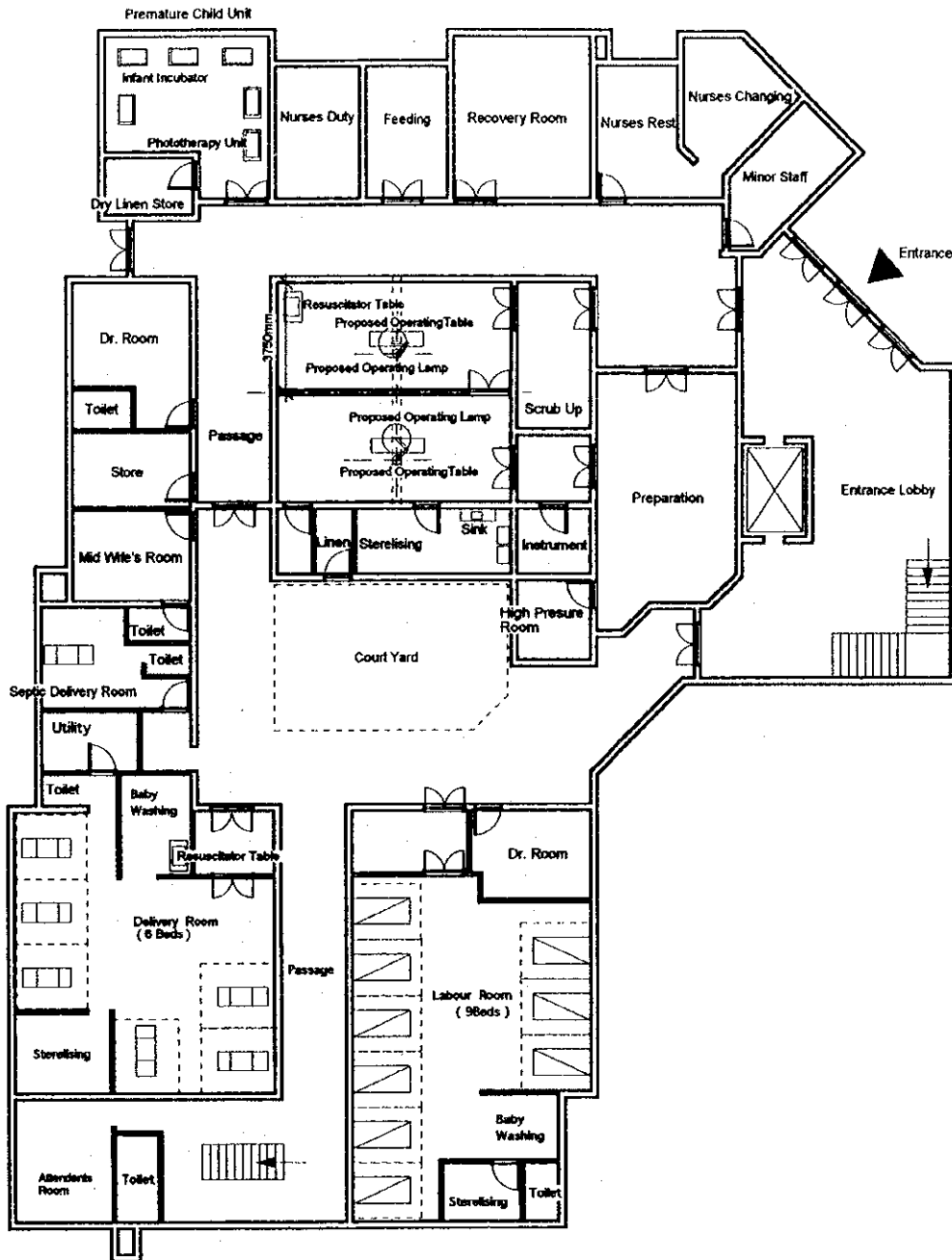
① OPD Building
 Ground Floor, X-Ray Department
 S = 1: 100

▬ New Wall
 ZZZZZZZ Remove Wall



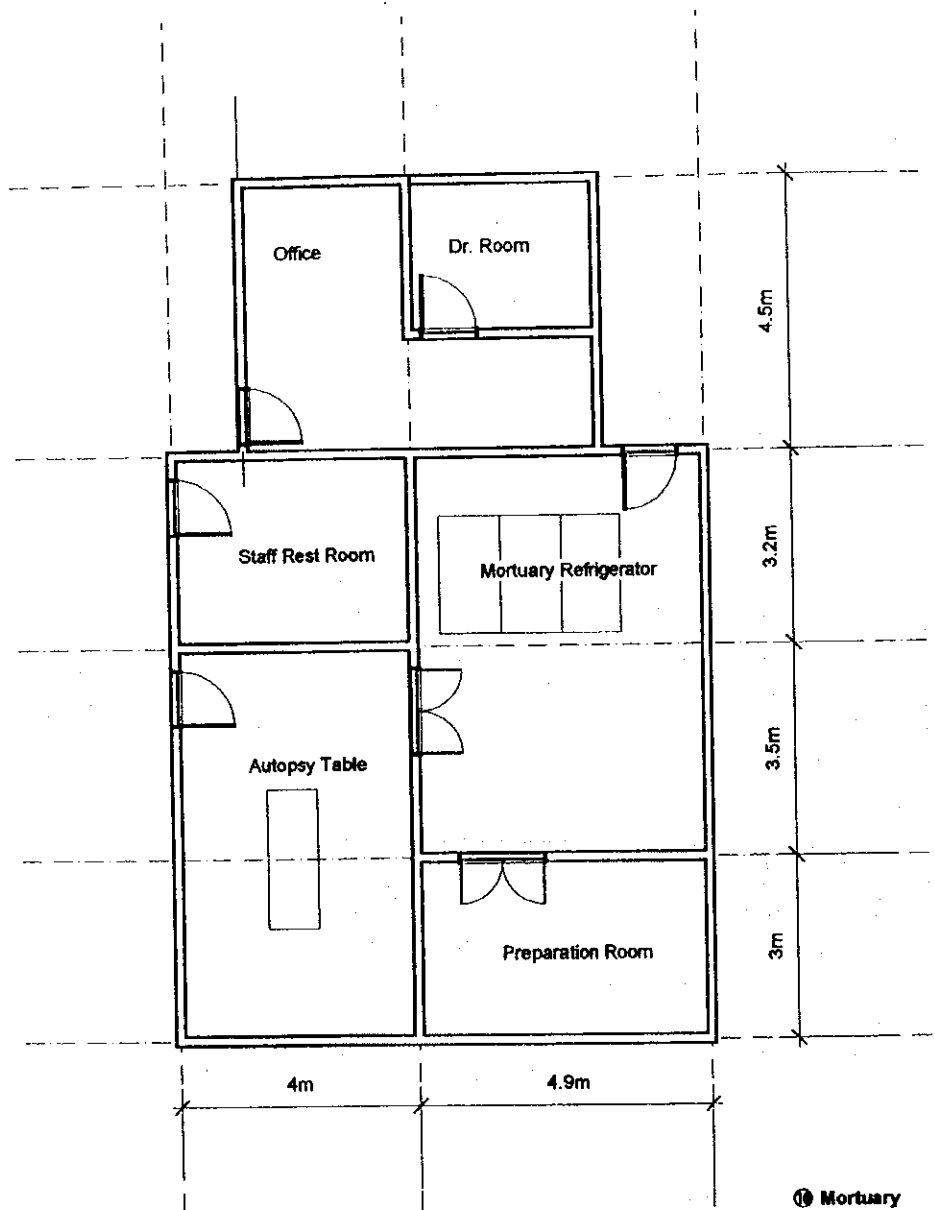






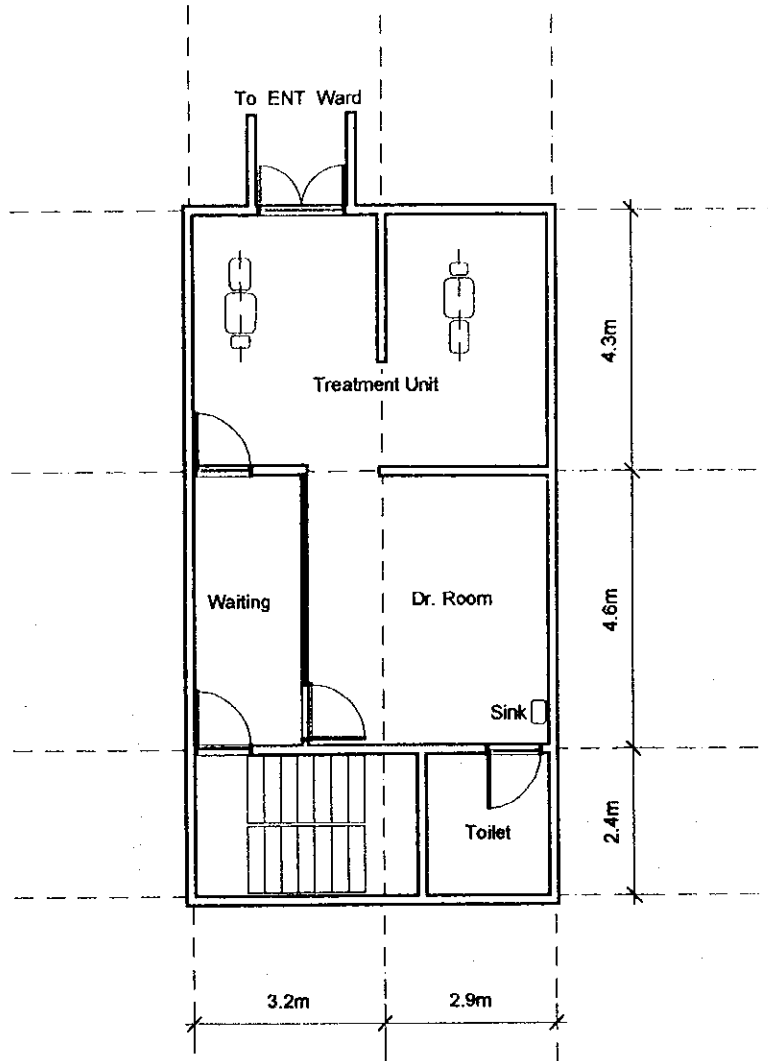
② New Maternity Building
Ground Floor

S = 1:200

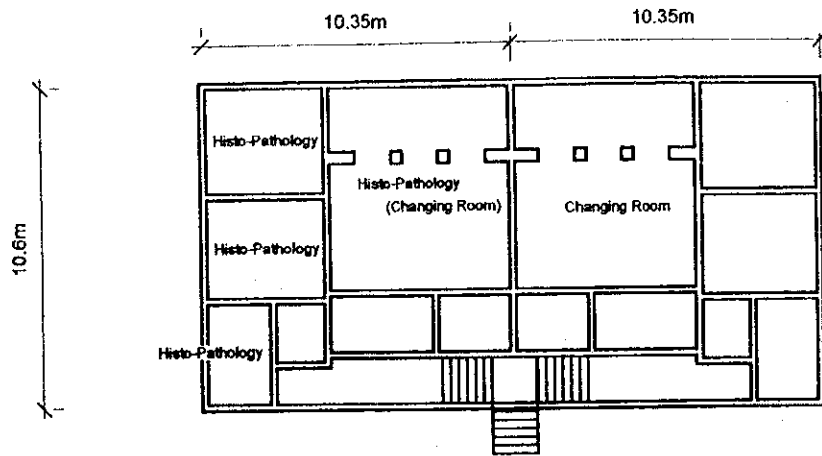


① Mortuary

S = 1: 100

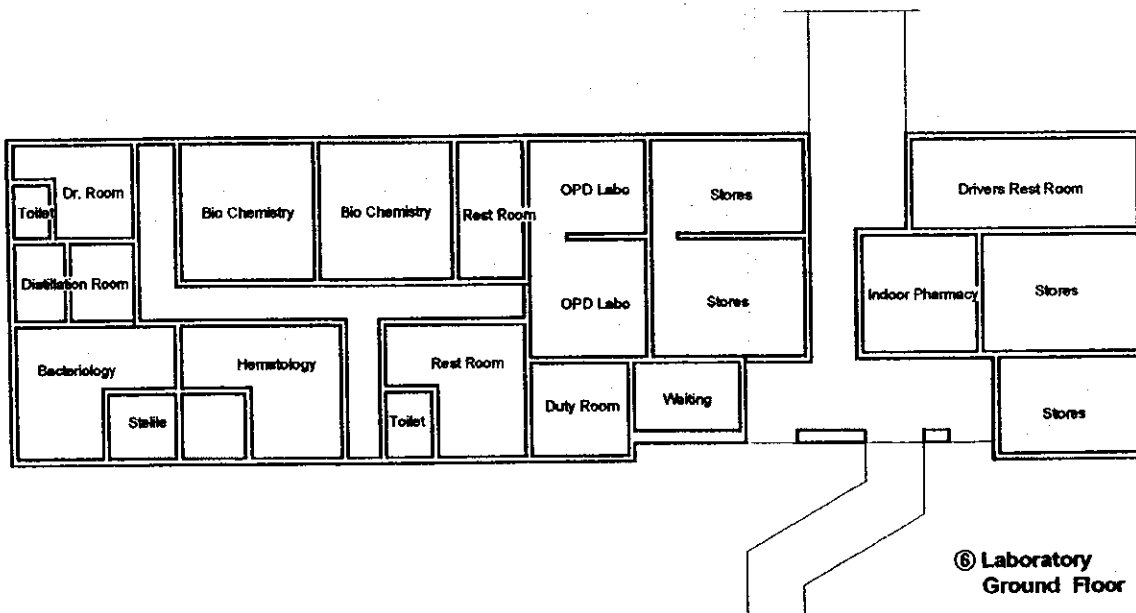


1st Floor
Maxillo Facial Clinic
 S = 1: 100



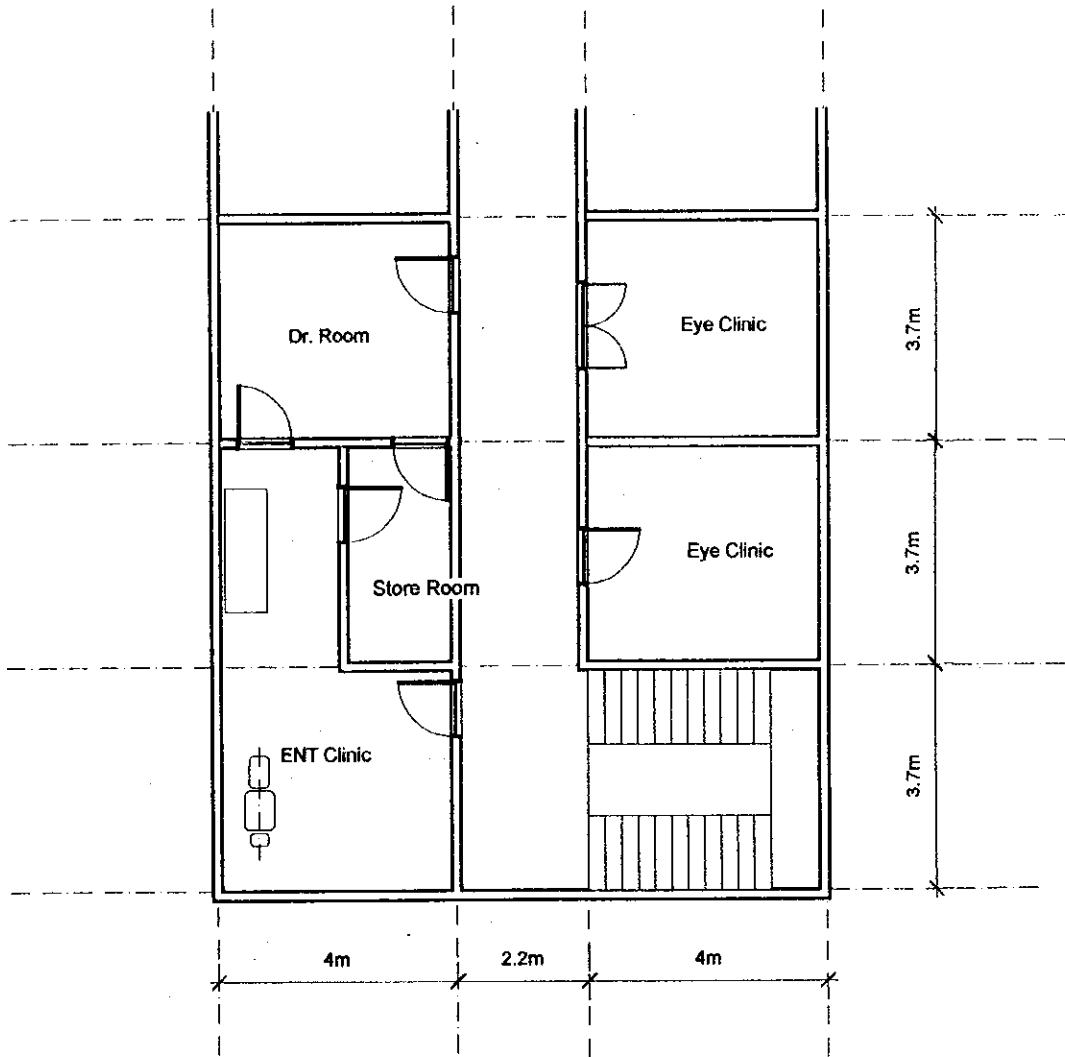
⑥ Laboratory
1st Floor
(Histo-Pathology)

S = 1: 100



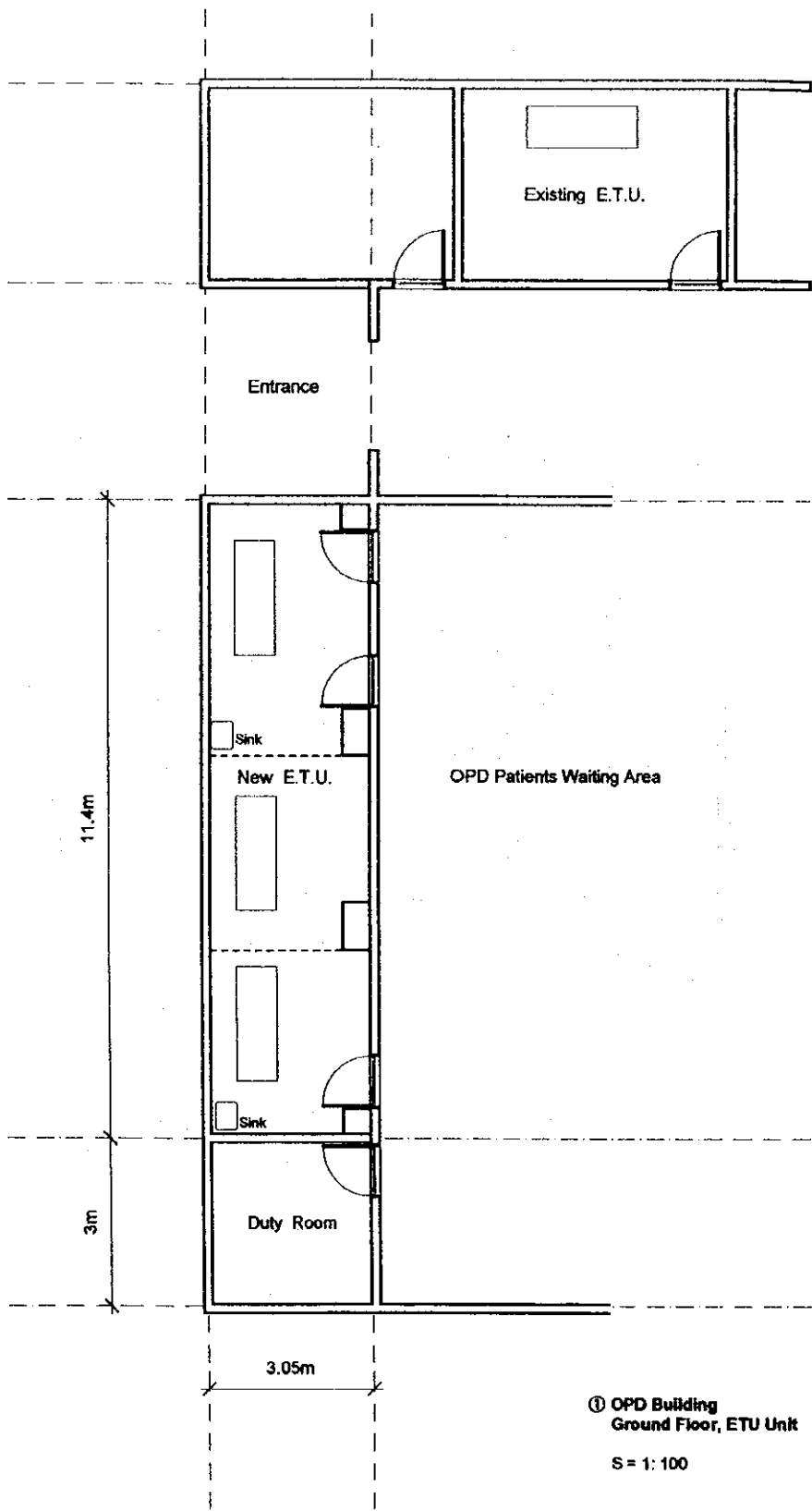
⑥ Laboratory
Ground Floor

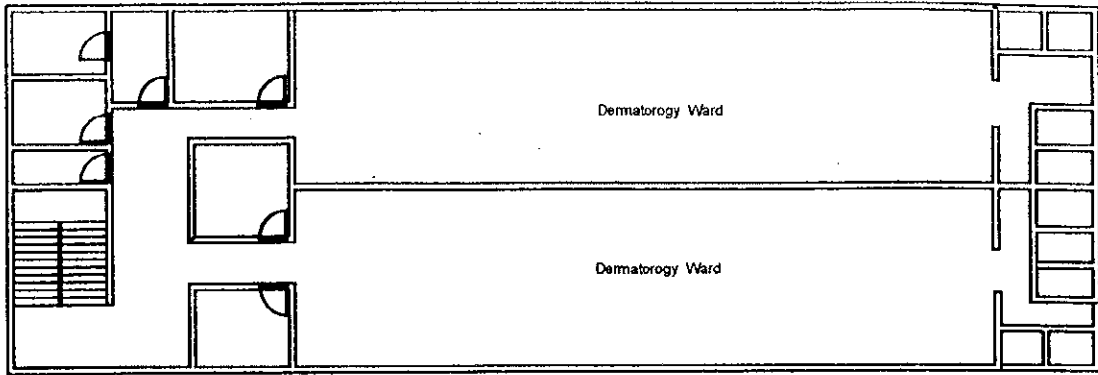
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① OPD Building
1st Floor, Eye & ENT Clinic

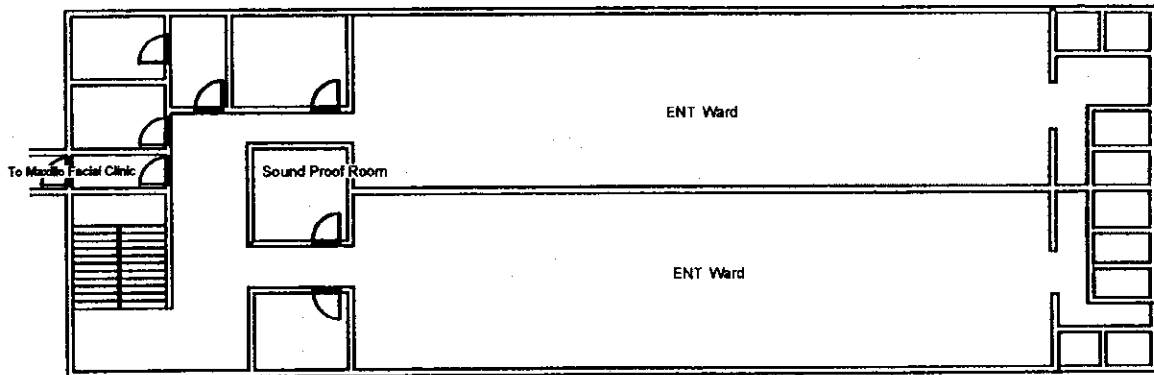
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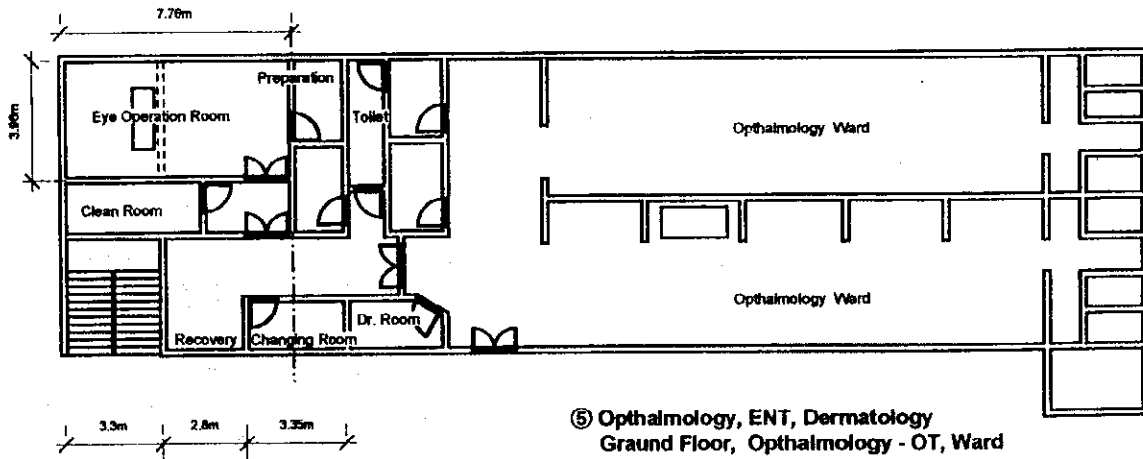
⑤ Ophthalmology, ENT, Dermatology
2nd Floor, Dermatology Ward

S = 1: 200



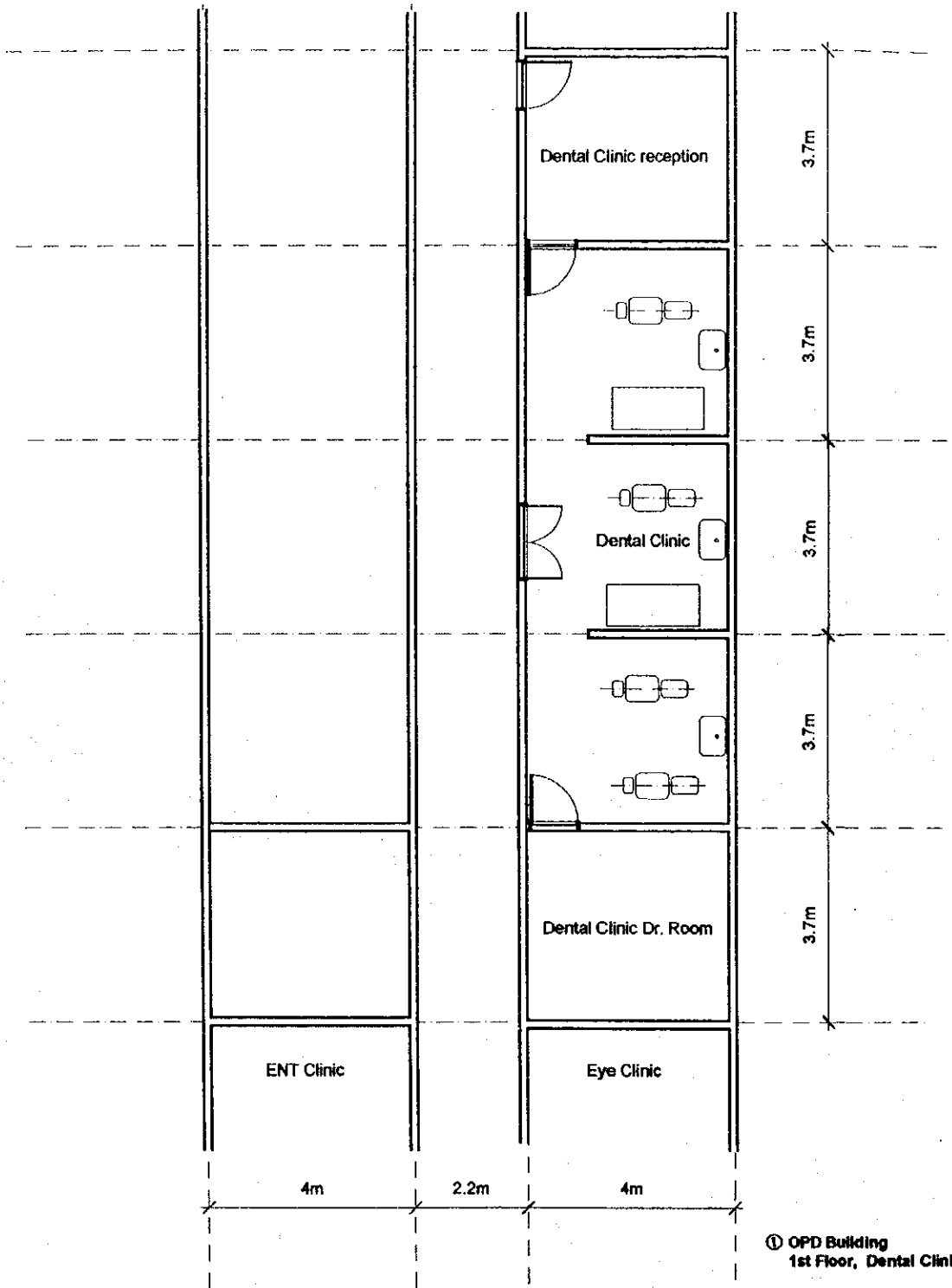
⑤ Ophthalmology, ENT, Dermatology
1st Floor, ENT Ward

S = 1: 200

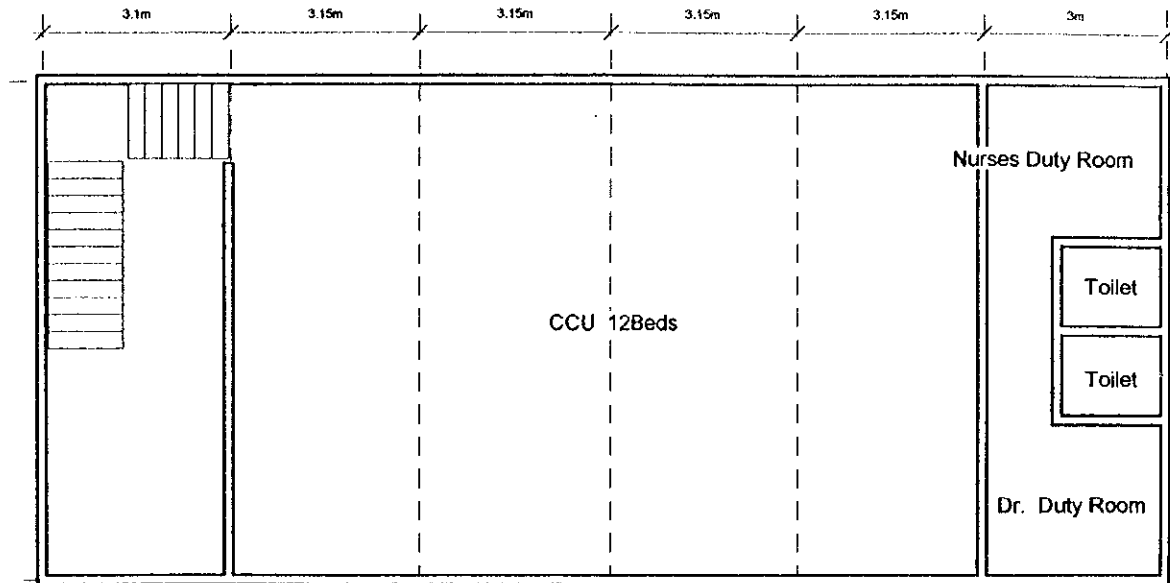


⑤ Ophthalmology, ENT, Dermatology
Grand Floor, Ophthalmology - OT, Ward

S = 1: 200

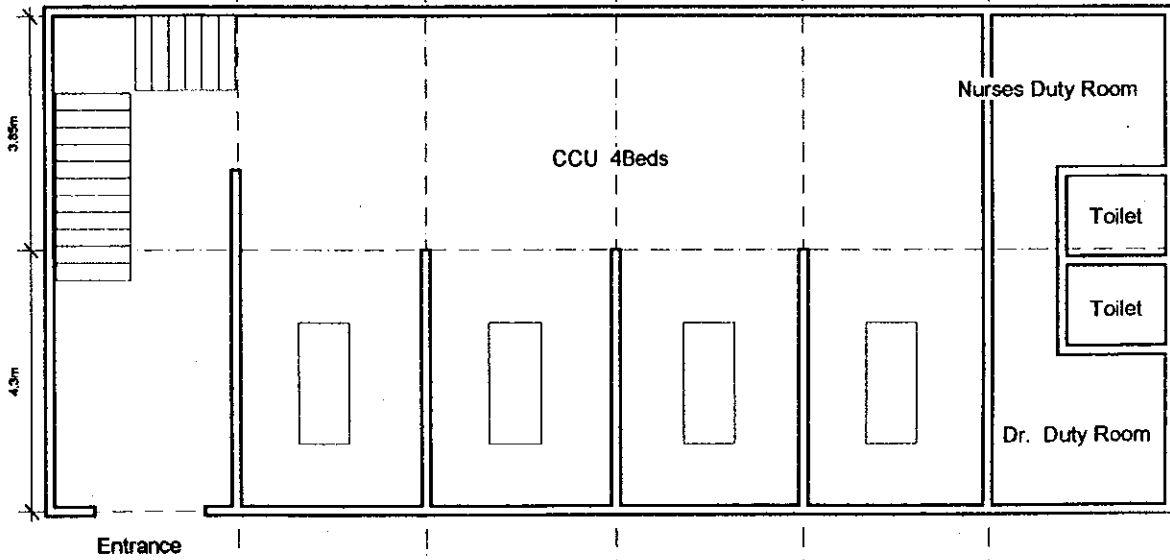


① OPD Building
 1st Floor, Dental Clinic
 S = 1: 100



③ Surgical, Cardiology Building
1st Floor, CCU Unit

S = 1: 100



③ Surgical, Cardiology Building
Ground Floor, CCU Unit

S = 1: 100

8. Cost Estimation borne by the Recipient Country

8. Cost Estimation Borne by the Recipient Country

It is estimated that the total cost to be borne by Sri Lanka side will be Rs. 21.75 million in implementation of the Project on the basis of Japan's Grant Aid Scheme considering the respective responsibilities of the both sides. The following describes a breakdown of that estimate:

1) Building cost for new laundry block : Rs. 2.5 million

The Sri Lankan party bears the above amount for building a laundry ward, to which some items of equipment procured on the Project will be installed.

[Note: this amount includes various expenses related to the construction of the laundry room.]

2) Tax exemption

The Sri Lankan party secures budget necessary for tax exemption on customs duties, goods and services tax, national securities levies, and other fiscal levies which will be imposed in Sri Lanka for procurement of the equipment for this project. The budget is estimated as Rs. 19.25 millions.

9. References

9. References

1. The Work of WHO in the South-East Asia Region Biennial report of the Regional Director 1 July 1997-30, WHO, June 1999
2. United Nations Annual Review Sri Lanka – 1998, UN
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