

APPENDICES

Appendix - 1

Members of the Survey Team

(1) Basic Design Survey Team

	Name	Organization
1) Team Leader	Mr. Daini Tsukahara	Deputy Director, Grant Aid Division, Economic Cooperation Bureau Ministry of Foreign Affairs
2) Technical Advisor I	Dr. Hidechika Akashi	Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare
3) Technical Advisor II	Dr. Hiroshi Ohmae	Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare
4) Project Coordinator	Mr. Tsutomu Shimizu	First Project Study Division, Grant Aid Project Study Dept., Japan International Cooperation Agency (JICA)
5) Project Manager Operation & Maintenance Planner	Mr. Tatsuro Nakajima	Binko Ltd.
6) Equipment Planner I	Mr. Hiroaki Narita	Binko Ltd.
7) Equipment Planner II	Mr. Hiroshi Murakami	Binko Ltd.
8) Facility Planner I	Mr. Masayuki Asabuki	Binko Ltd.
9) Facility Planner II	Mr. Shigeru Ogura	Binko Ltd.
10) Procurement Planner/ Cost Estimator	Mr. Kihei Igari	Binko Ltd.

(2) Draft Explanation Survey

	Name	Organization
1) Team Leader	Dr. Hiroshi Ohmae	Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare
2) Project Manager Operation & Maintenance Planner	Mr. Tatsuro Nakajima	Binko Ltd.
3) Equipment Planner I	Mr. Hiroaki Narita	Binko Ltd.
4) Facility Planner I	Mr. Masayuki Asabuki	Binko Ltd.

Appendix - 2

(1) Basic Design Survey Schedule

Team Members

A: Team Leader (government) a: Project Manager (Consultant)
 B: Technical Advisor I (government) b: Equipment Planner I (Consultant)
 C: Technical Advisor II (government) c: Equipment Planner II (Consultant)
 D: Project Coordinator (government) d: Facilities Planner I (Consultant)
 e: Facilities Planner II (Consultant)
 f: Cost Estimator (Consultant)

Group A: AB acd

Group B: CD be

Days	Date	Schedule	Members
1	July 27 (Sat.)	Leave Narita (JL719) → Singapore (SQ406) →	ABCD abcde
2	July 28 (Sun.)	→ Arrive Johannesburg	ABCD abcde
3	July 29 (Mon.)	Courtesy Call - Japanese Embassy Courtesy Call/Consultation - Central DOH Courtesy Call - MOF	ABCD abcde
4	July 30 (Tue.)	Meeting with Central and Provincial DOHs Explanation on Grant Aid system Consultation/Site Survey - Boksburg-Benoni Hospital	ACD a B bcde ABCD abcde
5	July 31 (Wed.)	Group A (leave for Kwazulu-Natal via air) Consultation/Site Survey - King Edward VIII Hospital	AB acd
		Group B (leave for Western Cape Province via air) Consultation/Site Survey - George Hospital	CD be
6	Aug. 1 (Thu.)	Group A Consultation/Site Survey - King Edward VIII Hospital (Durban → East London via air)	AB acd
		Group B (George → Capetown → Kimberley via air)	CD be
7	Aug. 2 (Fri.)	Group A Consultation/Site Survey - Umtata Hospital	AB acd
		Group B Consultation/Site Survey - Kimberley Hospital	CD be
8	Aug. 3 (Sat.)	Group A Consultation/Site Survey - Umtata Hospital (East London → Pretoria via air)	AB acd

Days	Date	Schedule	Members
8	Aug. 3 (Sat.) (Continued)	Group B Consultation/Site Survey - Kimberley Hospital (Kimberley → Pretoria via air)	CD be
		Cost Estimator Returns to Tokyo (JL719) → Singapore (SQ406)	f
9	Aug. 4 (Sun.)	Group A (Leave for Mpumalanga Province) Consultation/Site Survey -Themba Hospital	AB acd
		Group B (Leave for Northern Province) Consultation/Site Survey - Penge Hospital	CD be
		Cost Estimator Johannesburg → Pretoria	f
10	Aug. 5 (Mon.)	Group A Consultation/Site Survey -Themba Hospital (Leave for Pretoria)	AB acd
		Group B (Leave for Northern Province) Consultation/Site Survey - Penge Hospital	CD be
		Cost Estimator Survey of local agent and manufacturer	f
11	Aug. 6 (Tue.)	Group A (Leave for Free State Province) Consultation/Site Survey - Qwa-Qwa Hospital	AB acd
		Group B (Leave for Northern Province via air) Consultation/Site Survey - Tshwaragano Hospital	CD be
		Cost Estimator Survey of local agent and manufacturer	f
12	Aug. 7 (Wed.)	Group A Consultation/Site Survey - Qwa-Qwa Hospital (Leave for Pretoria)	AB acd
		Group B Consultation/Site Survey - Tshwaragano Hospital (Leave for Pretoria via air)	CD be
		Cost Estimator Survey of local agent and manufacturer	f
13	Aug. 8 (Thu.)	Internal meeting	ABCD abcde
		Minutes Conclusion with Central DOH Report of survey to Japanese Embassy	ABCD abcdef

Days	Date	Schedule	Members
14	Aug. 9 (Fri.)	Internal meeting	ABCD abcdef
15	Aug. 10 (Sat.)	Internal meeting Government members return to Tokyo Johannesburg (SQ405) → Singapore (SQ12) →	ABCD abcdef ABCD
16	Aug. 11 (Sun.)	→ Arrive Tokyo Consultants' internal meeting	ABCD abcdef
17	Aug. 12 (Mon.)	Meeting at Central DOH Change hotel (Pretoria → Johannesburg)	abcdef
18	Aug. 13 (Tue.)	Survey of local agent/manufacturer (meeting with 3 companies)	abcdef
19	Aug. 14 (Wed.)	Survey of local agent/manufacturer (meeting with 4 companies)	abcdef
20	Aug. 15 (Thu.)	Survey of King Edward VIII Hospital (Leave for Kwazulu-Natal via air)	abcde
		Survey of local agent/manufacturer	f
21	Aug. 16 (Fri.)	Survey of Boksburg-Benoni Hospital (Leave for Houten Province)	abcdef
22	Aug. 17 (Sat.)	Survey of Penge Hospital (Leave for Northern Province)	abcde
		Collection of related data	f
23	Aug. 18 (Sun.)	Survey of similar facilities (Boshof Hospital, Northern Province)	abcde
		Collection of related data	f
24	Aug. 19 (Mon.)	Survey of local agent/manufacturer (meeting with 2 companies) Internal meeting	abcdef
25	Aug. 20 (Tue.)	Survey of Umtata Hospital (Leave for Eastern Cape Province via air)	abcde
		Survey of local agent/manufacturer	f
26	Aug. 21 (Wed.)	Survey of local agent/manufacturer (meeting with 2 companies)	abcde
		Cost Estimator team returns to Japan Johannesburg (SQ405) → Singapore (SQ12) →	f
27	Aug. 22 (Thu.)	Survey of local agent/manufacturer (meeting with 2 companies)	abcde
		→ Arrive Tokyo	f
28	Aug. 23 (Fri.)	Survey of George Hospital (Leave for Western Cape Province via air)	abcde
29	Aug. 24 (Sat.)	Collection of related data	abcde
30	Aug. 25 (Sun.)	Johannesburg → Kuruman	abcde

Days	Date	Schedule	Members
31	Aug. 26 (Mon.)	Survey of Tshwaragano Hospital (Leave for Northern West Province)	abcde
32	Aug. 27 (Tue.)	Survey of local agent/manufacturer (meeting with 3 companies)	abcde
33	Aug. 28 (Wed.)	Site Survey of local manufacturer's factory (1) Consultants' internal meeting	abcde
34	Aug. 29 (Thu.)	Survey of Kimberley Hospital (Leave for Northern Cape Province)	abc
		Collection of related data	de
35	Aug. 30 (Fri.)	Consultation with Central DOH, Survey of local agent/manufacturer (meeting with 2 companies)	abcde
36	Aug. 31 (Sat.)	Collection of related data	abcde
37	Sept. 1 (Sun.)	Johannesburg → Qwa-Qwa	abcde
38	Sept. 2 (Mon.)	Survey of Manapo and Elizabeth Ross Hospitals (To Free State Province)	abcde
39	Sept. 3 (Tue.)	Survey of local agent/manufacturer	abcde
40	Sept. 4 (Wed.)	Report to Japanese Embassy, Consultation with Central DOH	abcde
41	Sept. 5 (Thu.)	Meeting with local agent/manufacturer	abcde
42	Sept. 6 (Fri.)	Report to Central DOH, Meeting with local agent/manufacturer	abcde
43	Sept. 7 (Sat.)	Collection of related data	abcde
44	Sept. 8 (Sun.)	Consultants return to Japan Johannesburg (SQ405) → Singapore (SQ12) →	abcde
45	Sept. 9 (Mon.)	→ Arrive Tokyo (17:35)	abcde

(2) Draft Explanation Survey Schedule

Team Members

A: Team Leader (government)

a: Project Manager (Consultant)

b: Equipment Planner I (Consultant)

c: Facility Planner I (Consultant)

Days	Date	Schedule	Members
1	Nov. 9 (Sat.)	Leave Narita (JL001) → Hong Kong (SA-287) →	A abc
2	Nov. 10 (Sun.)	→ Arrive Johannesburg	A abc
3	Nov. 11 (Mon.)	Courtesy Call - Japanese Embassy Courtesy Call/Consultation - Central DOH Leave for Penge (p.m.)	A abc
4	Nov. 12 (Tue.)	Survey/Consultation - Penge Hospital Leave for Johannesburg	A abc
5	Nov. 13 (Wed.)	Explanation of Summary of B/D to MOF Courtesy Call/Consultation - Central DOH	A abc
6	Nov. 14 (Thu.)	Leave Johannesburg (6:20) → Arr. Umtata (7:50) Survey of Umtata Hospital (w/Dr. Rensburg, DOH)	A abc
7	Nov. 15 (Fri.)	Minutes Conclusion with Central DOH, Report to Japanese Embassy	A abc
8	Nov. 16 (Sat.)	Additional survey (Pretoria, Johannesburg)	A abc
9	Nov. 17 (Sun.)	Leave Johannesburg (SQ405) →	A abc
10	Nov. 18 (Mon.)	→ Arrive Singapore	A abc
11	Nov. 19 (Tue.)	Leave Singapore (JL712) → Arrive Tokyo (15:50)	A abc

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Appendix - 3

List of Participants in South Africa

Central Department of Health

- Mr. Ray Mabope Chief Director, National Health Systems
- Dr. H.V. Rensburg Deputy Director, Donor Coordinator

Department of Health, Mpumalanga/Themba Hospital

- Dr. Deon Cloete Director, Secondary Health

Department of Health, Eastern Cape Province/Umtata Hospital

- Dr. Naraa Mum Pandey Medical Superintendent

Department of Health, Western Cape Province/George Hospital

- Dr. Pieta Serfontein Medical Advisor

Department of Health, Northwest Province/Tshwaragano Hospital

- Dr. Senyonga.J.L Medical Superintendent
- Nhlabatsi N. Deputy Director, Hospital Services
- Phaphathi Baholo Deputy Director, Equipment and Appropriate Health Technology

Department of Health, Gauteng Province/Boksburg-Benoni Hospital

- Dr. Julius Kanzmann Director, Hospitals, East Rand
- Mr. Patty Zipp Director, Logistical Services
- Dr. Metthysvan Huyssteen Medical Advisor, Logistics

Department of Health, Free State Province/Owa-Owa Hospital

- Johan Venter Head, Physical Planning, Health Services
- Mari Bruwer Assistant Director, Radiographic Services
- Sakkie du Plessis Clinical Engineer

Department of Health, Northern Cape Province/Kimberley Hospital

- Dr. Mathew Van Staben Clinical Director

Department of Health, Northern Province/Penge Hospital

- Albina Kekana Deputy Director, Health Care Services

1) Themba Hospital

• Dr. Molly Snit	Senior Superintendent
• Dr. Deon Cloete	Director, Secondary Health Sectors

2) Umtata Hospital

• Dr. S. Ndindwa	Chief Medical Superintendent
• Dr. Pandey	Medical Superintendent
• H.M. Nosasa	Chief Hospital Administration
• Mvubu	Senior Nursing Service Manager

3) George Hospital

• Dr. M. Hendricks	Regional Director, Southern Cape / Karoo
• Dr. P.F.Serfontein	Medical Advisor, Dept. of Health, Western Cape
• Dr. M. Viljoen	Medical Superintendent
• Dr. R. Crous	Senior Medical Superintendent

4) Tshwaragano Hospital

• Dr. H. J. V. Rensburg	Dept. of Health, Pretoria
• N. Nhlabatsi	Dept. of Health, NWP, Mmabatho
• Dr. Senyonga.J.	Superintendent
• Molejane.	N. Secretary
• D. Thapelo	Nursing Service Manager

5) Boksburg-Benoni Hospital

• Dr. P.C.H. Croucamp	Superintendent
• Jordan C.H.	Chief Nursing Service Manager

6) Qwa-Qwa Hospital (Manapo/Elizabeth Ross Hospital)

• Dr. P. T. Shale	Deputy Medical Superintendent
• Mr. J. A. Venter	Physical Planning, Health Service
• N.A.Rapabi	Nursing Service Manager
• Mari Bruwer	Radiographic Services
• I.D. Du Plessts	Clinical Engineering

7) King Edward VIII Hospital

• Dr. Lal Dwarkapersad	Chief Medical Superintendent
• Mr. Pete Vano Du Walt	Secretary
• Mr. M.Ntuli	Deputy Chief Matron (Action)
• Prof. Peter Corr	Professor of Radiology
• Prof. Jack Moodley	Deputy Dean, Faculty of Medicine
• Joan Anthony	Control Radiographer
• Gaynor Ramlakan	Control Radiographer
• C. Coleman	Officer H.O
• C.G.Ros Lee	Health H.O

8) Kimberley Hospital

• C. J. Swanepoel	
• G. S. Sediti	Obstetric & Gynecology
• Dr. W. Visser	Mo Dept. of Surgery
• M.C. Flatela	Casualty & OPD
• M.R. Afrika	Renal
• J. P. Jooste	Dept. Pediatric
• M. Bergh	Orthopedic Dept.
• Z. Gool	Surgical Dept.
• FEF Jakkals	CPN. Galeshewe Day Hospital
• J. Gill	CSSD
• C. J. Saltwater	Engineering Dept.
• D. Ahrends	Technical Workshops
• P. Louw	Chief Radiographer
• Y. Verwey	Procurement
• K. A. Sebesho	
• M. B. De Wee	SPN. Labour Wara
• K. A. Beukes	SPN. EI
• S. I. Mokale	N.S.M. Management
• G. C. Engelbrecht	Ophthalmologists
• S. Vesely	Ophthalmologist
• R. Relinan	West End Hospital, Manager

9) Penge Hospital

• T. F. M. Morife	Senior Nursing Service Manager
• S. M. Mangaba	Chief Nursing Service Manager
• A.T.K. Kekana	Deputy Director, Health Care Services
• S. S. Siwela	Eastern Tubuise / Orighttd
• M.M. Mapeka	Acting Supt
• Molepo V. A.	Acting Supp / Tubatse
• Ms Maelela	Chief Prof. Nurse (H.C. Boshoff Hospital)
• M.E. Maduane	Community Health Nurse (H.C. Boshoff Hospital)
• R. E. Mabhishi	Chief Prof. Nurse (H.C.Boshoff Hospital)
• S. L. Makofane	Clinic Nurse (Penge Hospital)
• D. J. Moagi	Eastern Tubaise / Ohrigsiao Ilc
• Dr. H J V. Rensburg	Dept. of Health / Pretoria
• Rev. E. Gomes	Minister
• V. L. Mampura	Nursing Service Manager (H.C.Boshoff Hospital)
• T. T. Letlapa	Asst. Adm. Official H.C.B

MINUTES OF DISCUSSIONS
ON
THE BASIC DESIGN STUDY ON THE PROJECT FOR
IMPROVEMENT OF MEDICAL EQUIPMENT FOR HOSPITALS
IN THE REPUBLIC OF SOUTH AFRICA

In response to the request from the Government of South Africa, the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Medical Equipment for Hospitals (hereinafter referred to as "the Project"), and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to the Republic of South Africa a study team (hereinafter referred to as "the Team"), which is headed by Mr. Daini TSUKAHARA, Deputy Director, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, and is scheduled to stay in the country from July 28 to September 7, 1996.

The Team held discussions with officials concerned of the Government of South Africa and conducted field surveys of the hospitals concerned:

In the course of the discussions and field surveys, both parties have confirmed the main items described on the attached sheets. The Team will proceed to further work and prepare the Basic Design Study report.

Mr. Daini TSUKAHARA
Leader,
Basic Design Study Team,
JICA

Pretoria, August 8, 1996

Mr. Ray V. MABOPE
Chief Director,
National Health Systems,
Department of Health,
The Republic of South Africa

ATTACHMENT

1. Objective

The objective of the Project is to improve medical services of specific hospitals by acquisition of medical equipment.

2. Hospitals to be studied

Themba Hospital	(Mpumalanga Province)
Umtata General Hospital	(Eastern Cape Province)
George Hospital	(Western Cape Province)
Tshwaragano Community Hospital	(North West Hospital)
Boksburg-Benoni Hospital	(Gauteng Province)
Qwa-Qwa Hospital (Manapo / Elizabeth Ross)	(Free State Province)
King Edward VIII Hospital	(Kwazulu Natal Province)
Kimberley Hospital	(Northern Cape Province)
Penge Hospital	(Northern Province)

The hospitals to be included in the Project, however, will be decided after further studies from hospitals which were studied.

3. Responsible and Executing Organization

Responsible and executing organization of the Project is the National Department of Health.

4. Items requested by the Government of South Africa

- (1) After discussions with the Team, equipment described in ANNEX I was finally requested by the Government of South Africa. The priorities were given by the South African side.
- (2) Both parties have agreed the basic criteria for selection of equipment which is attached to ANNEX II.
- (3) The final components of the Project, however, will be decided after further studies based on the information collected and taking into account the basic criteria for selecting equipment.

5. Japan's Grant Aid System

- (1) The Government of South Africa has understood the system of Japan's Grant Aid System as described in ANNEX-III and explained by the Team.
- (2) The Department of Health will request the Department of Finance of the Government of South Africa to investigate and inform the Government of Japan of the results regarding the necessary measures described in ANNEX-IV

as soon as possible and by the end of October 1996 at the latest.

6. Schedule of the Study

- (1) The consultants members of the Team will proceed to further studies in South Africa until September 7, 1996.
- (2) JICA will prepare a draft basic design report and dispatch a mission in order to explain its contents around November 1996.
- (3) In case that the contents of the draft basic design report are accepted in principle, JICA will complete the basic design study report and send it to the Government of South Africa around January 1997.

7. Other Relevant Issues

- (1) It was confirmed that implementing organization of the Project is the Department of Health, and the Department of Health shall conclude the contract for implementation of the Project.
- (2) The Department of Health will approach the Department of Finance to consider the request by the Japanese side for the exemption from tax such as importation tax and VAT on all imports and domestic purchases of the equipment and services under the Grant Aid.
- (3) As for the Penge Hospital, the Team asked the Department of Health to take measures for smooth execution of its project especially to endeavor to ensure the necessary budgetary measures for the implementation of second phase in 1997.

ANNEX I

EQUIPMENT LIST

1. THEMBA HOSPITAL
2. UMTATA HOSPITAL
3. GEORGE HOSPITAL
4. TSHWARAGANO COMMUNITY HOSPITAL
5. BOKSBURG-BENONI HOSPITAL
6. QWA-QWA HOSPITAL
7. KING EDWARD VIII HOSPITAL
8. KIMBERLEY HOSPITAL
9. PENGE HOSPITAL

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THEMBA HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
1 - 1	Compact Drill with Attachment	2	A
1 - 2	Arthroscope Monitor Instruments	1	C
1 - 3	External Fixator Set Standard	1	A
1 - 4	Reaming Instrument Set	1	A
1 - 5	Insertion Instrument Set	1	A
1 - 6	Locking Instrument Set	1	A
1 - 7	Radiolucent Drive	1	A
1 - 8	Unreamed Tibial Nail Set	1	C
1 - 9	DHS/DCS Set	1	A
1 - 10	Cannulated Screwset-Small	1	C
1 - 11	Cannulated Screwset-Large	1	C
1 - 12	Large Fragment Set	1	A
1 - 13	Small Fragment Set	1	A
1 - 14	Hand Surgery Instrument Set	1	A
1 - 15	Spinal Instrument Set	1	C
1 - 16	Boyles Machine without Ventilator	2	B
1 - 17	Laryngoscope and Blades(5)	2	A
1 - 18	Pneumatic Tourniquet	1	C
1 - 19	Continuous BP Monitor(Cuff type)	4	B
1 - 20	Pulse Oximeters	3	A
1 - 21	Cardiac Monitor	2	C
1 - 22	Teaching Lens for Cystoscope	1	C
1 - 23	Diathermy Machine	1	B
1 - 24	Bronchoscope Flexible & Light Source without Monitor	1	A
1 - 25	Blood Warmer	3	A
1 - 26	Infusion Pumps	4	A
1 - 27	Cardiac Monitor with Defibrillator	2	C
1 - 28	Dermatome	1	A
1 - 29	Ventilator	2	A
1 - 30	Birches Hyfreacator	1	B
1 - 31	Colonoscope	1	D
1 - 32	Sigmoidoscope Flexible	1	B
1 - 33	Bed	1	C
1 - 34	Suction Machines, Mobile	5	A
1 - 35	Liquid Nitrogen Flask	1	C
1 - 36	Gastroscope	1	C
1 - 37	Infant Ventilator	1	A
1 - 38	Phaco Emulsification Pen	1	A
1 - 39	Argon Laser	1	B
1 - 40	Perimeter	1	B
1 - 41	Hot Air Sterilizing Oven(Table top)	1	B
1 - 42	Tonopen Tonometer Portable	1	A
1 - 43	Foetal Monitor(Doppler)	2	C

THEMBA HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
1 - 44	Foetal Cardiac Tocograph	1	A
1 - 45	Phototherapy Unit	3	C
1 - 46	Vacuum Extractor	3	A
1 - 47	Ultrasound Unit with Transvaginal Probe	1	A
1 - 48	Neonatal Resuscitation Unit	2	A
1 - 49	Incubator	4	A
1 - 50	Double Pully System	1	B
1 - 51	Interferential Stimulator	1	A
1 - 52	Endolaser	1	B
1 - 53	Hydrocollator Hotpads	6	B
1 - 54	Panther Bike Exerciser	1	B
1 - 55	Spirometer	1	B
1 - 56	Digital Dynanometer	1	B
1 - 57	Audiometric Equipments	1	A
1 - 58	Multimotivational Therapeutic Apparatus	1	A
1 - 59	Ajamar Hydrauric Hand Dynamometer	1	B
1 - 60	Traction Bed	1	B
1 - 61	Ambulances	6	A
1 - 62	Equipment for Ambulances	6	A
1 - 63	Kramer Bags	8	A
1 - 64	Ambubag	2	B
1 - 65	Baumanometer Wall Mounted	5	A
1 - 66	Diagnostic Set Wall Mounted	10	A
1 - 67	Glucometers	10	A
1 - 68	Hemoglobinometer	2	B
1 - 69	Infusion Pump	30	A
1 - 70	Nebulisor	4	A
1 - 71	Oxygen Flowmeter	30	A(15), B(15)
1 - 72	Scales Electric Baby	5	A
1 - 73	Scales Adults	18	A
1 - 74	Scution Apparatus Mobile	2	A
1 - 75	Suction Apparatus Wall Mounted	3	A
1 - 76	X-Ray Viewing Box Mobile	8	B
1 - 77	X-Ray Viewing Box Small	7	B
1 - 78	Gas Autoclave	1	B
1 - 79	Metal Scoop Stretchers	3	B
1 - 80	Trauma Stretchers(Radiolucent)	2	A
1 - 81	Wheelchairs	6	B
1 - 82	Complete Dental Unit with Handpieces	1	A
1 - 83	Mobile Dental Unit with Compressor	1	A
1 - 84	Operator Assistant Stool	4	A(2), B(2)
1 - 85	Dental Autoclave(Portable)	1	A
1 - 86	Visible Curing Light	1	A

THEMBA HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
1 - 87	Complete Dental Forceps Kit including Elevators	3	A(2),B(1)
1 - 88	C-Arm & Image Intensifire for Theater	1	A
1 - 89	Portable X-Ray Unit	1	B
1 - 90	Processor for Theater	1	A
1 - 91	Patient Scoop	1	A
1 - 92	Patient Slide(Pat Slide)	1	B
1 - 93	Cassettes	54	A
1 - 94	Boomerang	1	A
1 - 95	Viewing Boxes(Large)	2	B
1 - 96	Cassette Hatch	1	A
1 - 97	Safelight for Theater	1	A
1 - 98	Casettes for Theater	6	A
1 - 99	Darkroom Printer for Theater	1	A
1 - 100	Lead Aplons Double-Side	8	A(4),B(4)
- 101	Wall Mounted Baumanometer	4	A
1 - 102	Foot Suction Machine	1	A
1 - 103	Emergency Trolley	2	A
1 - 104	Phototherapy Unit	1	A
1 - 105	Med X-Ray Diagnostic Unit with Processor	1	A
1 - 106	Infant Resuscitator Mobile	2	A
1 - 107	Nebulisor	2	A
1 - 108	Adult Scale	4	A
1 - 109	Suction Apparatus Mobile	1	A
1 - 110	Glucometer	3	A
1 - 111	X-Ray Viewingbox Large	2	A
1 - 112	X-Ray Viewingbox small	4	A
1 - 113	Ambubag Leardal Neonatal	1	A
- 114	Centrifuge	1	B
1 - 115	Card Rocker	1	B
1 - 116	Angle Poise Lamp Mobile	6	A
1 - 117	Infant Resuscitator Mobile	6	A
1 - 118	Suction Apparatus Mobile	8	A
1 - 119	Emergency Trolley	3	A
1 - 120	Portable Soft Waste Incinerator	7	B
1 - 121	Infant Incubator	3	A
1 - 122	Mobile Clinic Vehicle	4	A
1 - 123	Complete Unit Attachment	4	A
1 - 124	First Aid Boxes Equipped	8	A
1 - 125	Adult Scale	8	A
1 - 126	Ambubag Adult	4	A
1 - 127	Baumanometer(Aneroid)Complete	8	A

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
2 - 1	Ortho Emergency Cart without Suction and Defibrillator	30	A
2 - 2	Blanket Washing Machine	1	A
2 - 3	Petrol Driven Generator(5KVA)	3	B
2 - 4	Compact Blood Gas Analyzer	1	A
2 - 5	Standard Hospital Beds with Adjustable Backrest and Mattress	150	A
2 - 6	Hi-low Hospital Bed with Adjustable Backrest and Mattress	40	B
2 - 7	Blood Warmers	4	A
2 - 8	Incubator	5	A
2 - 9	Patient Trolley	2	A
2 - 10	Drip Stands	10	A
2 - 11	Electric Suction	2	A
2 - 12	Battery Suction	2	A
2 - 13	Baumonometer Portable	6	A
2 - 14	Baumonometer Wall Type	4	A
2 - 15	Glucometer	5	A
2 - 16	Infusion Pump	5	A
2 - 17	Diagnostic Sets	5	A
2 - 18	Electrocardiograph Monitors	2	A
2 - 19	Syringe Drivers(Pump)	3	A
2 - 20	Laryngoscope set Pediatrics-4 blades	2	A
2 - 21	Magills Forceps	4	A
2 - 22	Pulse Oximeter	2	A
2 - 23	Elec./Battery NIBP	2	A
2 - 24	Infant Warmers	2	A
2 - 25	Ambubag	4	A
2 - 26	Apneo Monitor	4	A
2 - 27	Resus.Unit Infant Mobile	3	A
2 - 28	Phototherapy Lights	4	A
2 - 29	Headlight for ENT	5	A
2 - 30	Automatic Tympanometric Device	1	A
2 - 31	Tympanoplasty Set	1	C
2 - 32	Micro Air Drill Straight and Curved Handpiece Controller and Switch	1	A
2 - 33	Mastoid Curette set	1	A
2 - 34	Micro Laryngoscopic forceps and scissors	1	B
2 - 35	ENT Microscope	1	A
2 - 36	ECG Units	2	A

UMTATA HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
2 - 37	Baumanometer(Mobile)	3	A
2 - 38	Wall Mounted Baumanometer	10	A
2 - 39	Glucometer	10	A
2 - 40	Stethoscope	15	A
2 - 41	Diagnostic Set	3	A
2 - 42	Transport Trolley	2	A
2 - 43	Mobile Examination Light	1	A
2 - 44	Mobile Resuscitation Unit	1	A
2 - 45	Crib	1	A
2 - 46	Incubator	1	A
2 - 47	Infusion Pump	1	A
2 - 48	Syringe Driver	1	A
2 - 49	Vacuum Extractor	1	A
2 - 50	Ante Partum Cardiotocograph	4	A
2 - 51	Foetal Heart Monitor	2	A
2 - 52	Phototherapy Lights	2	A
2 - 53	Lithotomy Examination Couch	6	A
2 - 54	Orthopedic Table Minor	1	A
2 - 55	Orthopedic Table Major	1	A
2 - 56	Anaesthetic Machine	1	A
2 - 57	Small Flash Autoclave	1	A
2 - 58	Electric Blanket	2	A
2 - 59	Crib	1	A
2 - 60	Blood Warmers	2	A
2 - 61	Fully Equipped Emergency Trolley(Mobile Resuscitator Unit)	1	A
2 - 62	Automatic 3 Channel Electrocardiograph	1	A
2 - 63	Mobile Examination Light	1	A
2 - 64	Anaesthetic Machine with Ventilator	1	A
2 - 65	Infusion Pump(Volumetric)	1	A
2 - 66	Emergency Suction Unit, 2 Bottles	1	A
2 - 67	Emergency Suction Unit	1	A
2 - 68	Theater Tables	1	A
2 - 69	Theater Light(2-Light Type)	1	A
2 - 70	Monitoring System, Bedside Type	1	A
2 - 71	Drip Stand	1	A
2 - 72	Volumetric Infusion Pump	1	A
2 - 73	Drop Counter Infusion pump	1	A
2 - 74	Blood Warmer	1	A
2 - 75	Transport Trolley	4	A

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
2 - 76	Tourniquet-Double	1	A
2 - 77	Emergency Trolley with Defibrillator	1	A
2 - 78	Electric Warming Blanket	2	A
2 - 79	Emergency Trolley without Defibrillator	2	A
2 - 80	Minor Aneasthetic Machine without Ventilator	1	A
2 - 81	Instrument Trolley	2	A
2 - 82	Basic Thoracotomy sets	2	A
2 - 83	Basic Vascular set Adults	1	A
2 - 84	Instrument Cupboard, Large	1	A
2 - 85	Mobile Clinic(4 x 4)	2	A

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
3 - 1	Arthro Videoscope	1	A
3 - 2	Colono Videoscope	1	A
3 - 3	Autoclave (flash)	1	A
3 - 4	Autoclave (Eye instruments)	1	A
3 - 5	Monitor (similar to ICU)	4	A
3 - 6	Oximeter (portable)	1	A
3 - 7	Binocular Indirect	1	A
3 - 8	Frastema Kadetto with chair	1	A
3 - 9	Yag Laser	1	A
3 - 10	Chart Projector	1	A
3 - 11	Auto refractor / Keratometer	1	A
3 - 12	Combination Phako	1	A
3 - 13	Combo	1	A
3 - 14	Phaco(one hand piece) with anti vitrectomy	1	A
- 15	Operative Microscope (with foot control)	1	A
3 - 16	Naso-pharangeal scope	1	A
3 - 17	A/B Scan	1	A
3 - 18	Yag Laser	1	A
3 - 19	slit lamp	1	A
3 - 20	sinuscope	1	A
3 - 21	Timpanometer	1	A
3 - 22	Flexible Oesophageal Dilaters	1	A
3 - 23	Stappler Gun (A-P anastomoses)	1	A
3 - 24	standard Cystoscope Set	1	A
3 - 25	Percutane Renal Surgery Unit	1	A
3 - 26	slow speed Drill (for reaming)	1	A
- 27	Minor Orthopaedic Operation Set	2	A
3 - 28	Fine Instrument Set (Nerve/Tendon repair)	2	A
3 - 29	Automatic High Flow Injector (Angio)	1	A
3 - 30	Diagnostic X-ray Unit	1	A
3 - 31	Doppler Sonar Colour Flow	1	A
3 - 32	Syringe Pump	6	A
3 - 33	Intensive Care Bed	8	A
3 - 34	Volumetric Pump	10	A
3 - 35	Monitor and Central Station (with Printer)	7	A
3 - 36	Monitor (rythm,BP,sat,temp)	2	A
3 - 37	Ventilator, adult	4	A
3 - 38	Mobile Incubator	4	A
3 - 39	Bed Obstetric	2	A
3 - 40	Theatre Light	2	A
3 - 41	Mecca Apparatus (newborn resuas unit)	2	A

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GEORGE HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
3 - 42	Vantouce (electric)	2	A
3 - 43	Defibrillator	1	A
3 - 44	High Care Monitor (rythm,BP,Saturation)	5	A
3 - 45	Pnototheapy Lamp	4	A
3 - 46	ECG Machine	2	A
3 - 47	Autoclave	1	A
3 - 48	Anaesthetic Machine	4	B
3 - 49	General Surgery Operating Table (electric)	1	B
3 - 50	Laparoscope with Video Facility	1	B
3 - 51	Bairhugger	2	B
3 - 52	Operating Colposcope	1	B
3 - 53	Warming Blanket	2	B
3 - 54	Lithoclast (endoscopic litnotripsy)	1	B
3 - 55	Hysteroscope	1	B
- 56	Drill (mastiodctomies)	1	B
3 - 57	CPM (continuaus passive motion) Machine	2	B
3 - 58	Fetal Heart Doppler	2	B
3 - 59	Cardiotocograph	2	B
3 - 60	Controller (IVAC)	18	B
3 - 61	Diagnostic Set	9	B
3 - 62	Orthopedic Bed	4	B
3 - 63	Overbed Table	4	B
3 - 64	Blood Warmer	3	C
3 - 65	Incubator	4	C
3 - 66	Capnograph	1	C
3 - 67	Mesh Machine (skinrafts)	1	C
- 68	Scope ERCP	1	C
3 - 69	Gastro-intestinal Videoscope	1	C
3 - 70	Nerve Stimulator	2	C
3 - 71	X-ray Developer (high speed, self loading)	1	C
3 - 72	Elastogram Thrombo Machine	1	C
3 - 73	Couch (Gine)	1	C
3 - 74	Plasma Sterilizer	1	C

TSHWARAGANO COMMUNITY HOSPITAL

ITEM NO	DESCRIPTION	Q'TY	PRIORITY
4- 1	MOBILE CLINIC	5	A
4- 2	ULTRASOUND	2	A
4- 3	C ARM	1	A
4- 4	PROCESSOR	1	A
4- 5	MOBILE X RAY MACHINE	2	A
4- 6	TABLE TOP PROCESSOR	2	B
4- 7	CEILING SUSPENDED X RAY	2	A
4- 8	X RAY SCREENING UNIT	2	A
4- 9	HUMIDIFIER	20	A
4- 10	INCUBATOR INTENSIVE CARE	4	A
4- 11	VENTILATOR, ICU	1	A
4- 12	ICU VENTILATOR FOR PAEDIATRICS	1	B
4- 13	PORTABLE INCUBATOR	2	A
4- 14	UTERUS IRRIGATING CATHETER	4	C
4- 15	DIAMOND JOW NEEDLE HOLDER BOW-LOCK	6	B
4- 16	BONE FORCEP	6	B
4- 17	CESAREAN INCISION SET ABDOMINAL	2	A
4- 18	OPERATION INSTRUMENT SET FOR ENT	2	A
4- 19	ANAESTHETIC MACHINE	1	A
4- 20	BEDSIDE MONITOR	3	A
4- 21	STELLENBOSH PEDIATRIC CIRCUIT	2	A
4- 22	PAEDIATRIC VENTILATOR	3	A
4- 23	ANAESTHESIA VENTILATOR	3	A
4- 24	EXPIRATORY VALVE	1	B
4- 25	CATHETER MOUNT	1	B
4- 26	REBREATHING BAG	2	A
4- 27	OXYGEN CYLINDER FOR ANAESTHESIA MACHINE	1	A
4- 28	KEY CYLINDER FOR PIN INDEX CYRINDER VALVE	1	A
4- 29	OCCUPATIONAL THERAPY STANDING TABLE	1	A
4- 30	AIREX MAT	1	A
4- 31	THREE PANEL SCREEN CONNECTED BY PLASTIC CURTAINSCREEN	5	A
4- 32	DOUBLE PANEL SCREEN FLAME RESISTANT CURTAIN	5	A
4- 33	SINGLE PANEL SCREEN FLAME RESISTANT CURTAIN	5	A
4- 34	OXYGEN CYLINDER TRUCK TWIN OXYGEN CYLINDER CARRIER	2	A

TSHWARAGANO COMMUNITY HOSPITAL

ITEM NO	DESRITION	Q'TY	PRIORITY
4- 35	CERVICAL OPERATING SET	2	A
4- 36	ORTHOPEDIC TABLE	1	B
4- 37	HIGH GRADE HI/LO GATCH BED	3	A
4- 38	3-CRANK GATCH BED	3	A
4- 39	TWO CRANK HIGH GRADE GATCH BED	3	A
4- 40	PETROL GENERATOR	2	A
4- 41	AIR CONDITIONER	14	A
4- 42	ICU BED	2	A
4- 43	TREATMENT CARRIAGE 3SHELVES GUARD RAINS	1	B
4- 44	DEFFIBRILLATOR	2	A
4- 45	SURGICAL DIATHERMY	1	B
4- 46	SMALL FRAGMENT INSTRUMENT SET	1	A
4- 47	PNEUMATIC DRILL	2	A
4- 48	BASSINETTE	10	B
4- 49	SMALL TRACTION ASSEMBLY	1	A
4- 50	POST MORTEM SET IN WOODED CASE	1	B
4- 51	MORTUARY TROLLEY WITH S/S TOP AND CANVAS COVER	1	A
4- 52	DAVIES DERMATONE SIMPLEX	1	A
4- 53	DAVIES DERMATONE DUPLEX	1	A
4- 54	CASTROVIEJO CALIPER	6	B
4- 55	SUSPENTION FRAME	1	B
4- 56	ACCESSORIES FOR EXERCISING	1	C
4- 57	MOBILE SUCTION UNIT WITH MEDIUM VACUUM	2	A
4- 58	HYDROTHERAPY WHIRLPOOL STAINLESS STEEL TREATMENT TANK	2	A
4- 59	THEATRE AUTOCLAVES (DUAL FACILITY)	3	A
4- 60	COMPLETE DENTAL UNIT WITH ACCESSORIES, MOBILE	1	A
4- 61	MOBILE THEATRE LAMP	2	A
4- 62	BRONCHOSCOPE	1	P
4- 63	ENDOSCOPE	1	B
4- 64	FOETAL MONITOR	2	A
4- 65	VACUUM EXTRACTOR	2	A
4- 66	PLACENTA GOBLER	3	A
4- 67	ADJUSTABLE HOSPITAL BED PNEUMONIA TYPE WITH SLATTED MAT	10	A
4- 68	BED WITH FRAME	20	A
4- 69	VISITORS STOOL, UNDER BED TYPE	30	B

TSHWARAGANO COMMUNITY HOSPITAL

ITEM NO	DESCRIPTION	Q'TY	PRIORITY
4- 70	INFUSION PUMP	6	A
4- 71	ECG MACHINE	3	A
4- 72	GENERAL UTILITY DRUG CABINET	2	B
4- 73	URINAL CABINET	2	B
4- 74	CART MEDICINE TROLLEY	7	A
4- 75	MAYO TABLE	2	A
4- 76	INSTRUMENT CABINET SINGLE DOOR GLASS	4	A
4- 77	ADULT SCALE WITH HEIGHT MEASUREMENT	2	B
4- 78	BEDPAN AND URINAL RACK, WALL MOUNTED	7	B
4- 79	EMERGENCY TROLLEY	7	A
4- 80	COMMUNICATION SYSTEM	1	A
4- 81	EQUIPMENT FOR A CASUALTY DEPT. PATIENT CACC SYSTEM & COMPUTERS	1	A
4- 82	DIAGNOSTIC SET, WALL MOUNTED	4	A
4- 83	MOBILE CABINET	4	A
4- 84	DENTAL X-RAY UNIT	1	A
4- 85	BLOOD WARMER	4	A
4- 86	VEHICLE (4WD)	3	A
4- 87	PATIENT LIFT	1	A
4- 88	CO2 INCUBATOR	1	B
4- 89	AUTOCLAVE	1	B
4- 90	JAR	1	B
4- 91	CENTRIFUGE	1	B
4- 92	FLUORESCENCE MICROSCOPE	1	B
4- 93	BINOCULAR MICROSCOPE	1	B
4- 94	BLOOD GAS ANALIZER	1	B

BOKSBURG-BENONI HOSPITAL

ITEM NO.	REQUESTED EQUIPMENT	Q'TY	PRIORITY
5 - 1	ELECTRONIC BABYSCALE	7	B
5 - 2	DIAGNOSTIC SET OPHTHALMOSCOPE	25	A
5 - 3	SPHYGOMOMANOMETER BABIES	3	C
5 - 4	BILIRUBINOMETER + CENTRIFUGE	1	A
5 - 5	FRIDGE	4	C
5 - 6	LARYNGOSCOPE FOR BABIES, COMOPLETE	1	A
5 - 7	FIBRE OPTIC LARYNGOSCOPE	1	B
5 - 8	PLASTER CUTTERS	1	C
5 - 9	CLEANING MACHINE + VACUUM + SUCTION	10	C
5 - 10	ECG MACHINE	4	B
5 - 11	PULSE OXIMETER	8	A
5 - 12	NIBP MONITOR ELECTRONIC	12	A
5 - 13	BLOOD WARMER	8	B
5 - 14	VENTILATOR	2	A
5 - 15	BLOODGAS ANALYSER WITH HAEMOGLOBINOMETER	1	A
5 - 16	POWER DRILL-ORTHOPAEDIC	1	B
5 - 17	ARTHROSCOPE	1	C
5 - 18	INSTRUMENT WASHING MACHINE	1	B
5 - 19	RIGID SIGMOIDOSCOPE	1	C
5 - 20	BED	12	B
5 - 21	ULTRASOUND VAGINAL PROBE	1	A
5 - 22	PATIENT SCALE	8	B
5 - 23	PLASTER SAW	1	C
5 - 24	INFUSION APPARATUS	2	B
5 - 25	SCREENING AUDIOMETER (PORTABLE)	5	A
5 - 26	AUTOCLAVE FOR CSSD, 500L	1	A
5 - 27	COLPOSCOPE	1	A
5 - 28	PROCTOSCOPE, SURGICAL OPD	1	C
5 - 29	PHACO EMULSIFICATION MACHINE	1	B
5 - 30	AUTOMATIC CHART PROJECTOR	1	A
5 - 31	KERATOMETER	1	A
5 - 32	LENSOMETER	1	B
5 - 33	INDIRECT OPHTHALMOSCOPE	1	A
5 - 34	RETINOSCOPE	1	B
5 - 35	INSTRUMENTATION FOR EYE OPERATIONS	1	A
5 - 36	APLAMATION TONOMETER	1	B
5 - 37	PERIMETER	1	B
5 - 38	SLIT LAMP	1	A
5 - 39	ULTRASOUND SCANNER, B MODE	1	A

BOKSBURG-BENONI HOSPITAL

ITEM NO.	REQUESTED EQUIPMENT	Q'TY	PRIORITY
5 - 40	GYNAE EXAMINATION CHAIR	1	B
5 - 41	OBSTETRIC INSTRUMENTS (FORCEPS)	1	A
5 - 42	SUTURING INSTRUMENTS	2	A
5 - 43	BABY WEIGH SCALE	4	A
5 - 44	FETAL MONITOR (CTG MONITOR)	2	A
5 - 45	PORTABLE ULTRASOUND MACHINES (OBS + GYNAE)	1	A
5 - 46	OPERATION TABLE (ORTHOPEDIC)	1	A
5 - 47	2 CHANNEL ECG MONITOR	1	B
5 - 48	CT SCAN (WHOLE BODY)	1	A
5 - 49	C-ARM (MOBILE)	1	B

ITEM NO.	DESCRIPTION	Q'TY.	PRIORITY
6 - 1	Screening X-ray Unit (Manapo)	1	1
6 - 2	X-ray Bucky Unit (Manapo, ER)	2	2
6 - 3	Ultrasound Machine with vaginal probe (Manapo)	1	3
6 - 4	Portable X-ray Machine (Manapo)	1	4
6 - 5	Daylight Processor (Manapo)	1	5
6 - 6	Monitor for ICU (Manapo)	2	6
6 - 7	Ventilator for ICU (Manapo)	2	7
6 - 8	Physiotherapy Equipment (Manapo)	1	8
6 - 9	Medical Gas Panels (Manapo)	1	9
6 - 10	Incinerator (Manapo)	1	10
6 - 11	X-ray Bucky Unit (ER)	1	11
6 - 12	Ultrasound Machine (ER)	1	12
6 - 13	Portable X-ray Machine (ER)	1	13
6 - 14	Teleradiography (Manapo, ER)	2	14
6 - 15	Bronchoscope, Fiber-type (Manapo)	1	15

KING EDWARD VIII HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
7 - 1	Spiral CT Scan	1	1
7 - 2	X-ray Equipment for Screening Room	2	2
7 - 3	Colour Doppler Ultrasound System including Options	1	3
7 - 4	Endoscopic Ultrasound Scanning System	1	4
7 - 5	Argon Lasor Photo Coagulator for Ophthalmic use	1	5
7 - 6	Pediatric Ventilator	8	6
7 - 7	Video Camera System(PAL) for rotary retinoscope usage	1	7
7 - 8	Echo Cardiological Colour Flow System	1	8
7 - 9	Cerebral Oximeter	1	9
7 - 10	Data Information System	1	10

KIMBERLEY HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
8 - 1	X-Ray Unit		
	a. 50Kw Generator	1	A
	b. X-Ray Tube with Collimator	1	A
	c. Bucky Table	1	A
	d. Erect Bucky and Ceiling Sus.Tube	1	A
8 - 2	Tomography X-Ray Unit		
	a. 50Kw Generator	1	A
	b. X-Ray Tube with Collimator	1	A
	c. Bucky Table	1	A
	d. Erect Bucky and Ceiling Sus.Tube	1	A
	e. Tomograph.Att.for Liner Tomogr.	1	A
8 - 3	Mobile X-Ray Machine with 30Kw		
	a. Micro Processor Cocontrolled	1	A
	b. Convertor Type Generator	1	A
8 - 4	Micro Processor-Fully		
	a. Automatic-Controlled	1	A
	b. Free Stansing 90 sec	1	A
	c. X-Ray Film Processor	1	A
8 - 5	Trolley Trauma	2	A
8 - 6	Cassette	1	A
8 - 7	Cupboard/Strong of Cassette	2	A
8 - 8	Floor Polisher/Scrubber	1	A
8 - 9	Child Restraint	2	A
8 - 10	ID Printer	1	A
8 - 11	Mobile Casette Holder	2	A
8 - 12	Drip Stand	2	A
8 - 13	3 Channel ECG Monitor	1	A
8 - 14	Blood Gas Analyzer	1	A
8 - 15	Ambubag	3	A
8 - 16	Ambulance	1	A
8 - 17	Apnoea Monitor	3	A
8 - 18	Argon Laser	1	A
8 - 19	Audiometer	1	A
8 - 20	Auto Transfusion Pump	1	A
8 - 21	Autoclave	1	A
8 - 22	Auto-Refractometer	1	A
8 - 23	Baumnometer	13	A
8 - 24	Bed ICU	4	A
8 - 25	Bed Striker	2	A

KIMBERLEY HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
8 - 26	Bidet	1	A
8 - 27	Bone Cutter	1	A
8 - 28	Bronchoscope	1	A
8 - 29	Bronchoscope Paed	1	A
8 - 30	Cardiac Monitor	8	A
8 - 31	Cardiac Table (Overbed Table)	210	A
8 - 32	Cardiotocograph	1	A
8 - 33	Cholangiogram Table	1	A
8 - 34	Cot Bed Adult	4	A
8 - 35	Diagnostic Set	4	A
8 - 36	Doptone	2	A
8 - 37	Drip Stand	15	A
8 - 38	Drying Cabinet	1	A
8 - 39	ECG Holter	1	A
8 - 40	ECG Monitor/Defibrillator	3	A
8 - 41	ECG Recorder	1	A
8 - 42	ECG Recorder Paed	1	A
8 - 43	Equipment Various	1	A
8 - 44	Floor H2O Suction Machine	1	A
8 - 45	Folder Trolley for Patient File	42	A
8 - 46	Forcep Gillies	50	A
8 - 47	Forcep Mosquito Cof	20	A
8 - 48	Forcep Mosquito Str	50	A
8 - 49	Forcep Spencer Wells Str	20	A
8 - 50	Glucometer	9	A
8 - 51	Handle BP No3	50	A
8 - 52	Handle BP No4	30	A
8 - 53	Haemoglobin Meter	5	A
8 - 54	Hyper/Hypothermia Unit	1	A
8 - 55	ICU Open Care Crib	2	A
8 - 56	Incubator	15	A
8 - 57	Infant Resuscitator & Warmer	4	A
8 - 58	Infusion Pump Adult	13	A
8 - 59	Infusion Pump Neonatal	4	A
8 - 60	Infusion Pump Pediatric	2	A
8 - 61	Medical Air Compressor	1	A
8 - 62	Microscope Lab	1	A
8 - 63	Mobile Ventilator	1	A
8 - 64	Needle Holder	50	A
8 - 65	NIBP Monitor Electronic	11	A

KIMBERLEY HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
8 - 66	Operating Table	1	A
8 - 67	Operation Microscope	1	A
8 - 68	Ophthalmoscope Indirect	1	A
8 - 69	Oxygen Head Box	5	A
8 - 70	Oxygen Monitor	5	A
8 - 71	Oxygen Pressure Alarm	1	A
8 - 72	Peak Flow Meter	3	A
8 - 73	Phaco Emulsification System(Ultrasound)	1	A
8 - 74	Phototherapy Lamp	2	A
8 - 75	Plier with Twisting Forcep	1	A
8 - 76	Pop Cutter	1	A
8 - 77	Pop Splitter	1	A
8 - 78	Portable Incubator with Ventilator	1	A
8 - 79	Pulse Oximeter	10	A
8 - 80	Punch No3(for Orthopedic Ops)	6	A
8 - 81	Recliners	2	A
8 - 82	Retinoscope	1	A
8 - 83	Ripple Mattress	4	A
8 - 84	Rongeur Bone(for Orthopedic Ops)	1	A
8 - 85	Scale Electronic	1	A
8 - 86	Scale Patient Electronic Neo	1	A
8 - 87	Scale Patient Electronic Ped	2	A
8 - 88	Scale Patient & Height Measure	2	A
8 - 89	Scissor Metzemaum Cof 140cm	26	A
8 - 90	Slit Lamp	1	A
8 - 91	Speculum Vaginal Cusco med	6	A
8 - 92	Steel Bath	3	A
8 - 93	Stitch Scissor	100	A
8 - 94	Suction Unit (High Vacuum)	5	A
8 - 95	Suction Unit (Low Vacuum)	25	A
8 - 96	Syringe Dental	30	A
8 - 97	Syringe Driver	3	A
8 - 98	Table top Processor	1	A
8 - 99	Traction Pulley	10	A
8 - 100	Trolley Patient with Side	2	A
8 - 101	Trolley Theater	3	A
8 - 102	Trolley Trauma	4	A
8 - 103	Uretero-Renoscope & Instrument	1	A
8 - 104	Vacuum Extractor Electric	1	A
8 - 105	Ventilator	3	A

KIMBERLEY HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
8 - 106	Ventilator Neo	1	A
8 - 107	Ventilator Ped	1	A
8 - 108	Warming Blanket	1	A
8 - 109	Water Purification	1	A
8 - 110	Wheel Chair	2	A
8 - 111	Diathermy Tester	1	A
8 - 112	Pacemaker Tester	1	A
8 - 113	ECG Stimulator	1	A
8 - 114	Defibrillator Tester	1	A
8 - 115	Ventilator Tester	1	A
8 - 116	Sound/Music System	1	A
8 - 117	Volley Ball Set	1	A
8 - 118	Ping Pong Ball Table	1	A
8 - 119	Sanding Machine & Belts	1	A
8 - 120	Lathe	1	A
8 - 121	Sewing Machine	2	A
8 - 122	ECT Machine	1	A
8 - 123	Air Conditioner for X-Ray	1	A
8 - 124	Beeper	5	A
8 - 125	Diagnostic Set	2	A
8 - 126	Scale Patient with Height Measure	2	A
8 - 127	Television for Phsyiatric Patients	4	A
8 - 128	Wheel Chair	2	A
8 - 129	Ambulance	3	B
8 - 130	Blood Gas Analyzer	1	B
8 - 131	Floor H2O Suction Machine	1	B
8 - 132	Floor Polisher/Scrubber	6	B
8 - 133	Autoclave Steam	1	B
8 - 134	Drying Cabinet	1	B
8 - 135	X-Ray Holder Metal	210	B
8 - 136	Trolley Trauma	4	B
8 - 137	Autoclave	2	B
8 - 138	Ventilator	2	B
8 - 139	ECG Monitor/Defibrillator	4	B
8 - 140	Gastroscope Ped	1	B
8 - 141	Infusion Pump Adult	6	B

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PENGE HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
9 - 1	Anaesthetic machine complete with flow meter	3	A
9 - 2	Anaesthetic stool-height adjustable on castors stainless steel	3	A
9 - 3	Aphoea monitor	4	A
9 - 4	Basinnette and crib with blanket tray	36	A
9 - 5	mattress for above	36	A
9 - 6	Saumanometer-wall mounted with basket	10	A
9 - 7	Children cot mesh mat	20	A
9 - 8	Mattress for above(Water proof)L	20	A
9 - 9	Emergency light with transformer with battery back	3	A
9 - 10	Emergency patient trolley-height adjustable-complete	6	A
9 - 11	Emergency suction pump-mobile with two bottles	4	A
9 - 12	Emergency trolley-complete	8	A
9 - 13	Flask Warming cabinet	2	A
9 - 14	Food trolley-mobile with bain marie inserts and cupboard to keep food warm	6	A
9 - 15	Glucometer	10	A
9 - 16	Haemoglobinometer	10	A
9 - 17	Hospital bed with backrest and double wheel lift	6	A
9 - 18	Mattress for above with backrest section	6	A
9 - 19	Incubator-mannual type-mobile	6	A
9 - 20	Infant cot mesh mat	20	A
9 - 21	Mattress for above (water proof)S	20	A
9 - 22	Infant scale-digital	2	A
9 - 23	Infusion pump	8	A
9 - 24	Instrument trolley-stainless steel	10	A
9 - 25	Kicker about with bowl-stainless steel	10	A
9 - 26	Kicker about with bucket-stainless steel with lid	10	A
9 - 27	Laparoscope-complete unit	2	A
9 - 28	Laryngoscope blades size 1-4 CVD+1xStr blade size 0	6	A
9 - 29	Laryngoscope handle-medium plain	2	A
9 - 30	Mayo table and tray-stainless steel(Standard)	2	A
9 - 31	Mobile I.V.Stand	7	A
9 - 32	Oxygen flowmeter with humidifire(double)	10	A
9 - 33	Patella hammer	10	A
9 - 34	Patients trolley with side sails	2	A
9 - 35	Phototherapy lamp-mobile-complete	4	A
9 - 36	Resuscitator with peep value	2	A
9 - 37	Resuscitator with peep value children	4	A

PENGE HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
9 - 38	Resuscitator trolley-mobile-complete	4	A
9 - 39	Resuscitator-infant	4	A
9 - 40	Single bowl stand with basin-stainless steel	6	A
9 - 41	Sphygmomanometer-portable-desk top	10	A
9 - 42	Stainless steel obstetric delivery bed	3	A
9 - 43	Mattress for above	3	A
9 - 44	Stethoscope-dual hand	10	A
9 - 45	Stethoscope-foetal	4	A
9 - 46	Surgeons Head light(Power source use)	2	A
9 - 47	Surgeons stool-height adjustable-on castors s/s	2	A
9 - 48	Suction apparatus-wall mounted with regulator-double	10	A
9 - 49	Theatre incubator	2	A
9 - 50	Vacuum extract with three cups and chains	3	A
9 - 51	Visitors stool(Under Bed Type)	20	A
9 - 52	Wall clock	10	A
9 - 53	Two 4x4 fitted mobile Unit	2	A
9 - 54	Hospital bed and mattress	60	A
9 - 55	Pillow	100	A
9 - 56	Small Operating Instruments		A
9 - 57	Arm chair, half back	50	B
9 - 58	Orthopedic Frame, Complete	10	B
9 - 59	Bedpan	80	B
9 - 60	Bedpan and urinal holder-wall mounted with drip tray	10	B
9 - 61	Bedside lamps-wall mounted	80	B
9 - 62	Bedside locker	80	B
9 - 63	Blood or fluid warmer-complete	4	B
9 - 64	Instrument Trolley with Basin and Bowl	6	B
9 - 65	Diathermy machine-bipolar	2	B
9 - 66	Double foot step	10	B
9 - 67	Dressing trolley	10	B
9 - 68	ECG Machine-single channel	1	B
9 - 69	Episiotomy scissors	3	B
9 - 70	Examination couch	10	B
9 - 71	Examination light-mobile	5	B
9 - 72	Examination light-wall mounted-Halogen	10	B
9 - 73	Instrument trolley	6	B

PENGGE HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
9 - 74	I.V Pole-mobile	6	B
9 - 75	I.V Pole-wall mounted with clamp	6	B
9 - 76	Kick about-bucket type + bucket-epoxy coated	80	B
9 - 77	Kick about bucket type with s/s bucket and lid	10	B
9 - 78	Kick about-without bucket	10	B
9 - 79	Leg and body cradle	10	B
9 - 80	Measuring tape	10	B
9 - 81	Oxygen flow meter with humidifier-wall mounted	10	B
9 - 82	Patient lifting pole to fit bed-swivel type	10	B
9 - 83	Patient trolley and atrip with mattress	4	B
9 - 84	Patient transfer roll board	4	B
9 - 85	Patient warmer(Safe against burns)	3	B
9 - 86	Physician Scale with height measure	6	B
9 - 87	Plaster trolley with shelves	2	B
9 - 88	Poison cabinet-DDP	10	B
9 - 89	Side rails	8	B
9 - 90	Small traction unit	4	B
9 - 91	Linen trolley	10	B
9 - 92	Linen trolley (Box type)	10	B
9 - 93	Stainless steel pedal bin	10	B
9 - 94	Thomas splints-large	6	B
9 - 95	Thomas splint-medium	6	B
9 - 96	Trolley for diatheramy machine	2	B
9 - 97	Urinals	40	B
9 - 98	Urine bag holder	20	B
9 - 99	Overbed table	15	B
9 - 100	Visitors stool,Under Bed Type(L)	10	B
9 - 101	Visitors stool,Under Bed Type(S)	10	B
9 - 102	Waste paper basket(S)	10	B
9 - 103	Waste paper basket(L)	20	B
9 - 104	Wheel chair-foldable type	10	B
9 - 105	Wheel chair-standard-folding type	10	B
9 - 106	X-ray viewing box-large	10	B
9 - 107	X-ray Unit	1	B
9 - 108	Assorted set of linbuins(70 bins)	2	C
9 - 109	Baby warmer	10	C
9 - 110	Cast sutter-electric	2	C
9 - 111	Crash cart complete with 2 drawers	2	C

PENGE HOSPITAL

ITEM NO.	DESCRIPTION	Q'TY	PRIORITY
9 - 112	4 drawer filing cabinet	10	C
9 - 113	Eye chart	2	C
9 - 114	Foetal Doppler	2	C
9 - 115	Bedside Monitor	2	C
9 - 116	Non invasive Automatic blood pressure	10	C
9 - 117	Paper dispenser-wall mounted	10	C
9 - 118	Pulse oximeter	6	C
9 - 119	Air Mattress	4	C
9 - 120	Sterilizer	4	C
9 - 121	Soap dispenser-wall mounted	10	C
9 - 122	Stationery cupboard-4 adjustable shelves	10	C

ANNEX-II

THE BASIC CRITERIA FOR SELECTION OF EQUIPMENT

Criteria for priority

1. For basic and essential medical services at appropriate level of care.
2. For replacement of existing equipment.
3. Its strong clinical needs can be verified (by the number of patients and specimens).
4. Can be operated and maintained with the skills of the present personnel.
5. Financially manageable, including the purchase of consumable items and spare parts.

Criteria for deletion

1. Requires the adoption of new techniques.
2. Cannot be installed due to insufficient infrastructure (requires additional construction or large-scale remodeling)
3. High price and low necessity (its cost effectiveness is low)
4. Requires the establishment of a new clinical department.
5. Redundant / overlapping (same type of equipment is requested in the project or to other aid organizations, or already exists in the facility).
6. Consumable items, reagents and spare parts of existing equipment.
7. Has the possibility of infringing laws relevant to the disposal of waste matters and radioactive substances.
8. Difficult to maintain and control from financial and/or technical point of view.

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ANNEX III

ON JAPAN'S GRANT AID PROGRAM

1. Japan's Grant Aid Procedures

(1) The Japan's Grant Aid Program is executed by the following procedures.

- **Application** (request made by a recipient country)
- **Study** (Preliminary 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 both Governments)
- **Implementation** (Implementation of the Project)

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

Secondly, JICA conducts the Study (Basic Design Study), using a Japanese consulting firm. If the background and objective of the requested project are not clear, a Preliminary Study is conducted prior to a Basic Design Study.

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

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by both Governments.

Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

2. Contents of the Study

(1) Contents of the Study

The purpose of the Study (Preliminary Study / Basic Design Study) conducted on a project requested by JICA is to provide a basic document necessary for appraisal of the project by the Japanese Government. The

contents of the Study are as follows:

- a) to confirm background, objectives, benefits of the project and also institutional capacity of agencies concerned of the recipient country necessary for project implementation,
- b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view,
- c) to confirm items agreed on by both parties concerning a basic concept of the project,
- d) to prepare a basic design of the project,
- e) to estimate cost involved in the project.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request.

Implementing the project, the Government of Japan requests the recipient country to take necessary measures involved which are itemized on Exchange of Notes.

(2) Selecting (a) Consulting Firm(s)

For smooth implementation of the study, JICA uses (a) consulting firm(s) registered. JICA selects (a) firm(s) through proposals submitted by firms which are interested. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference made by JICA.

The consulting firm(s) used for the study is(are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is repeated.

(3) Status of a Preliminary Study in the Grant Aid Program

A Preliminary Study is conducted during the second step of a project formulation & preparation as mentioned above.

A result of the study will be utilized in Japan to decide if the Project is to be suitable for a Basic Design Study.

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval).

It is important to notice that at the stage of Preliminary Study, no commitment is made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

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 facilities, equipment and services for economic and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

(2) Exchange of Notes (E/N)

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

(3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

(4) Under the Grant, in principle, products and services of origins of Japan or the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country origin.

However the prime contractors, namely, consulting, contractor and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons.)

(5) Necessity of the "Verification"

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

(6) Undertakings required to the Government of the recipient country

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

- a) to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work,
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- c) to secure buildings prior to the installation work in case the Project is providing equipment,
- d) to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,

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- 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.

(7) Proper Use

The recipient country is required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expenses other than those to be borne 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 Arrangement (B/A)

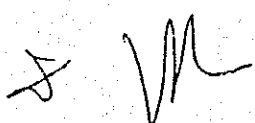
- a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.
- 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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ANNEX-IV

NECESSARY MEASURES TO BE TAKEN BY THE GOVERNMENT OF SOUTH AFRICA IN CASE JAPAN'S GRANT AID IS EXTENDED.

1. To provide data and information necessary for the Project;
2. To bear two kinds of commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement (B/A) namely,
 - the advising commission of the "Authorization to Pay (A/P)" and
 - the payment commission;
3. To ensure prompt unloading and customs clearance at ports of disembarkation in South Africa and prompt internal transportation therein of the product purchased under the Grant Aid;
4. To exempt Japanese nationals engaged in the project from customs duties, internal taxes and other fiscal levies which may be imposed in South Africa with respect to the supply of the products and services under the verified contracts;
5. To accord Japanese nationals whose services may be required in connection with supply of the products and services under the verified contracts, such facilities as may be necessary for their entry into South Africa and stay therein for the performance of their work;
6. To provide necessary permissions, licenses, and other authorization for implementing the Project, if necessary;
7. To assign appropriate budget and staff members for proper and effective operation and maintenance of the equipment purchased under the Grant Aid;
8. To maintain and use properly and effectively the equipment purchased under the Grant Aid;
9. To bear all the expenses other than those to be borne by the Grant Aid within the scope of the Project.



MINUTES OF DISCUSSION
ON
BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT
FOR HOSPITALS
IN
THE REPUBLIC OF SOUTH AFRICA
(CONSULTATION ON DRAFT FINAL REPORT)

In September 1996, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on the Project for Improvement of Medical Equipment for Hospitals in the Republic of South Africa (hereinafter referred to "the Project") to the South Africa, and through the discussions, field survey, and technical examination of the results in Japan, has prepared the draft final report of the study.

In order to explain and to consult the South Africa side on the components of the draft final report, JICA send to South Africa a study team, which is headed by Dr. Ohmae, medical doctor of the Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare, to South Africa and scheduled to stay in the country from 10th November to 16th November.

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

Pretoria, 15th November, 1996

大前 比呂思

Dr. Hiroshi Ohmae
Leader,
Explanation Team for the Draft Final Report,
JICA

H. J. Kensburg

for

Mr. Ray V. Mabope
Chief Director,
National Health Systems,
Department of Health,
The Republic of South Africa

ATTACHMENT

1. Components of Draft Report

The Government of the Republic of South Africa has agreed and accepted in principle the component of the Draft Report proposed by the Team.

2. Japan's Grant Aid System

(1) The Government of the Republic of South Africa has understood the system of Japan's Grant Aid as described in Annex I and explained by the Team.

(2) The Government of the Republic of South Africa will take the necessary measures described in Annex II 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 Government of the Republic of South Africa by the end of February, 1997.

4. Others

(1) The Government of the Republic of South Africa has agreed to allocate and secure budget enough to properly operate and maintain the equipment procured by the Project.

(2) The Team stated it would be difficult to implement the Project if the Government of the Republic of South Africa would not take necessary measures for the exemption from tax such as importation tax and VAT on all imports and domestic purchases of the equipment and services under the Grant Aid.

(3) Both parties have agreed that the equipment listed in Annex III is to be procured by the Project for the Penge Hospital on condition that the Grand Aid Assistance by the Government of Japan is extended to the Project.

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Annex I

Japan's Grant Aid Scheme

1. Grant Aid Procedures

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

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

- 2) Firstly, the 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 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

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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 (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter 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 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 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 the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through

the Minutes of Discussions.

2) Selection of consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the study 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 and also to avoid any undue delay in implementation, should the selection process be repeated.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles 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 Grand Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures 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.



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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 the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a 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 of Japanese corporations controlled by persons of Japanese nationality.)

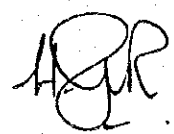
- 5) Necessity of "Verification"

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.

- 6) Undertakings required of the Government of the Recipient Country

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

- (1) To secure land necessary for sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities

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in and around the sites.

- (3) To secure buildings prior to the procurement in case the installation of the equipment.
- (4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- (5) 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.
- (6) 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.

7) "Proper Use"

The recipient country is required to maintain and use the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance 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 should 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 an authorized foreign exchange 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

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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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