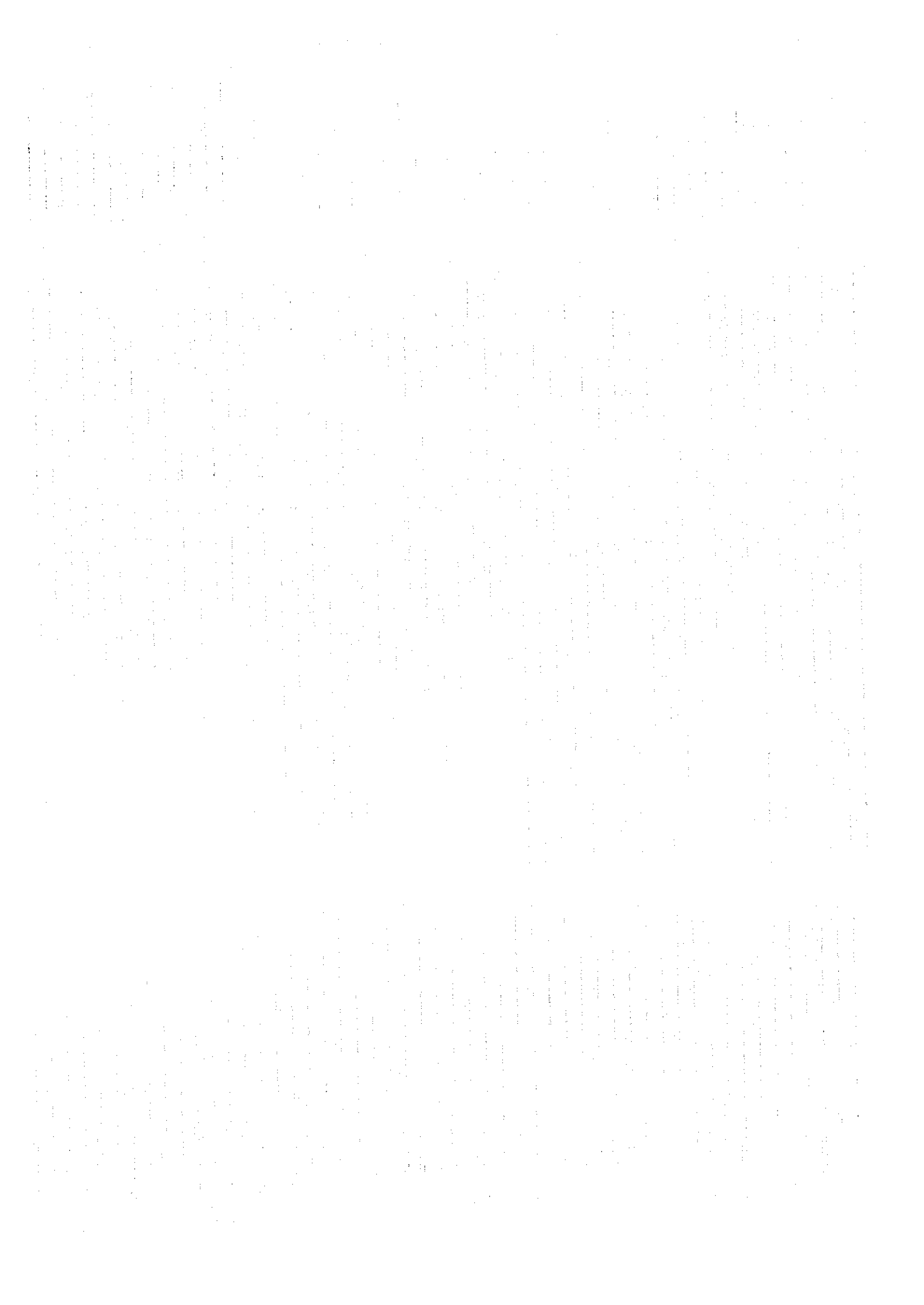


2 調査日程



調査日程
【基本設計調査】

日数	月日	担当担当者名 期間	総括 20日間	計画管理 14日間	業務主任 40日間	通 訳 40日間	棟材計画 II 40日間	設備計画 40日間	機材計画 I 40日間	構築/設備計画 35日間
1	4/7	㊸	【成田 → 香港 (機中泊)】							
2	4/8	月	【香港 → ヨハネスブルグ → マプト】							
3	4/9	火	保健省表敬・インセプションレポートの説明							
4	4/10	水	マプト病院視察及び協議							
5	4/11	木	【マプト → ベイラ】						【マプト → ナンプラ】	
6	4/12	金	ベイラ病院視察及び協議						ナンプラ病院視察及び協議	
7	4/13	㊹	【ベイラ → マプト】						【ナンプラ → マプト】	
8	4/14	㊺	団 内 会 議							
9	4/15	月	保健省及び病院関係者との協議、援助機関事務所訪問・協議、メンテナンスセンター訪問・協議							
10	4/16	火	ミニッツ協議							
11	4/17	水	ミニッツ調印							
12	4/18	木	【マプト → ナンプラ】		【マプト → ベイラ】			【マプト → ナンプラ】		
13	4/19	金	ナンプラ病院協議	【マプト → 】	ベイラ病院視察、病棟調査			ナンプラ病院院長と面談、病院内視察		
14	4/20	㊻	↓	成田着	ヘルスポスト、ヘルスセンター視察			ヘルスセンター、地方病院視察		
15	4/21	㊼	↓		団 内 会 議			団 内 会 議		
16	4/22	月	↓		ベイラ病院 救急・ICU、病棟調査			施設関連調査	放射線、眼科、キッチン調査	
17	4/23	火	↓		ベイラ病院 産婦人科、小児科、リハビリ調査			施設関連調査	産科、婦人科、ICU、救急調査	
18	4/24	水	【ナンプラ → マプト】		ベイラ病院 耳鼻科、眼科、外科・内視鏡、メンテナンス調査			【ナンプラ → ベイラ】	メンテナンスセンター、耳鼻 検査室調査	
19	4/25	木	【マプト → 】		ベイラ病院 検査、ランドリー調査			設備関連調査	PROVINCIAL DIRECTOR OF HEALTH との会談、外科調査	
20	4/26	金	成田着		ベイラ病院 リハビリ、厨房、ランドリー調査			↓	手術室、小児科、内科、 リハビリ調査	

日数	月日	担当 担当者名 期間	総括 20日間	計画管理 13日間	業務主任 10日間	通訳 40日間	機材計画Ⅱ 10日間	設備計画 10日間	機材計画Ⅰ 40日間	稼働/修理計画 35日間
21	4/27	㊦					[ベイラー・マプト]		[ナンブラ・マプト]	
22	4/28	㊦					団内会議			【マプト→ヨハネス】
23	4/29	月					ベイラー、ナンブラ両病院の報告のため保健者訪問 マプト病院祝祭、一般事情・財務調査			医療機材代理店 調査（～5/10） ヨハネスブルグ
24	4/30	火					マプト病院 一般事情・財務調査 医療機材代理店調査			医療機材代理店 調査 ヨハネスブルグ
25	5/1	水					資料整理			医療機材代理店 調査 ヨハネスブルグ
26	5/2	木					マプト病院 救急・外科・ICU、内視鏡調査 輸送関係調査			資料整理
27	5/3	金					マプト病院 小児科、産婦人科、放射線科調査			医療機材代理店 調査 ヨハネスブルグ
28	5/4	㊦					資料整理			医療機材代理店 調査 ケープタウン
29	5/5	㊦					団内会議			資料整理
30	5/6	月					他援助動向調査 小児科にて打合せ			医療機材代理店 調査 ヨハネスブルグ
31	5/7	火					マプト病院 産婦人科、内視鏡にて打合せ メンテナンスセンター調査			医療機材代理店 調査 ヨハネスブルグ
32	5/8	水					PROFAERIL (の材料会社) との打合せ 財務分析関連調査			医療機材代理店 調査 ヨハネスブルグ
33	5/9	木					マプト病院メンテナンスセンターとの打合せ 対外協力省へ調査報告			大使館表敬訪問
34	5/10	金					マプト病院長との打合せ 保健省へ調査報告			医療機材代理店 調査 ヨハネスブルグ
35	5/11	㊦					資料整理			成田着
36	5/12	㊦					団内会議			
37	5/13	月					[マプト→ヨハネスブルグ]			
38	5/14	火					[ヨハネスブルグ→ハラレ] 日本大使館、JICA表敬及び報告			
39	5/15	水					[ハラレ→]			
40	5/16	木					成田着			

[基本設計概要書説明調査]

日順 月日	官団員およびコンサルタント
1 7/12 金	[東京 → シンガポール (機中泊)]
2 7/13 土	[シンガポール → ヨハネスブルグ]
3 7/14 日	[ヨハネスブルグ → マプト着]
4 7/15 月	保健省、対外協力省表敬、マプト病院協議
5 7/16 火	マプト中央病院関係者と協議
6 7/17 水	[マプト → ベイラ]
7 7/18 木	ベイラ中央病院関係者と協議
8 7/19 金	ベイラ中央病院関係者と協議
9 7/20 土	[ベイラ → マプト]
10 7/21 日	資料整理、団内打ち合わせ
11 7/22 月	ミニッツ協議
12 7/23 火	ミニッツ署名、対外協力省へ報告
13 7/24 水	[マプト → ヨハネスブルグ → ハラレ] ジンバブエ日本大使館、JICA事務所へ報告
14 7/25 木	[ハラレ → ヨハネスブルグ]
15 7/26 金	[ヨハネスブルグ → (機中泊)]
16 7/27 土	[シンガポール → 東京着]

3 相手国関係者リスト

相手国関係者リスト

所 属	役 職	氏 名
① 日本国関係者		
在ジンバブエ日本大使館	参事官	Mr. Hironobu YASUMURA
JICAジンバブエ事務所	所 長	Mr. Mitsuo NAKAMURA
在南アフリカ日本大使館	一等書記官	Mr. Sinichi MIZUOCHI
② 相手国関係者		
保 健 省	局 長	MDR Humberto COSSA
	計画協力部長	Mr. L. J. Fernando Manuel TOMO
	機材調達担当官	Mr. Samuel ALBERTO
	世界銀行担当官	Mr. Mario J. Ribeiro de ALMEIDA
対外協力省	国際協力部長	Mr. Artur VERISSIMO
	日本担当官	Mr. Chico Verniz MORTAR
マプト中央病院	病院長	Dr. Joao ALEXANDRE
	内視鏡	Dr. Fernando VAZ
	救急	Dr. Otilia NEVES
	小児科	Dr. Ana GRACA
	産婦人科	Dr. Antonio BUGAHO
	メンテナンスセンター	Mr. Jose CONSOLO
	ベイラ中央病院	病院長
小児科		Dr. Manuel MUCAUAO
外科・救急・ICU		Dr. Helder de MIRANDA
耳鼻科		Dr. Alexaudpe PROKOPIEV
検査室		Mr. Machava PEDRO
リハビリテーション		Mr. Filipe VETECCO
メンテナンスセンター		Mr. C. J. Van PERLO
ナンプラ中央病院	事務室	Mr. Manuel Jurge Jeque SAMPAIO
	病院長	Dr. H. AMARCHAUD
	整形外科	Dr. Ajurio FERNANDES
	ICU	Dr. Mamin HASSAM
		Dr. Jose Bamon Parcoes FEANINDES

所 属	役 職	氏 名
ナンブラ中央病院	小児科	Dr. Luomila Zaifseva IHIONA
	産婦人科	Dr. Cassimo BINE
	ランドリー	Mr. Joana Maria Domingos MARTIN
	厨 房	Mr. Fernanda Pedro VIRISSONE
	県コーディネーター	Mr. Mouzinho SAIDE
マプト国立維持管理センター	センター長	Mr. Alberto Manuel MATSINIIE
③ 関係機関		
UNDP	医療担当員	Mr. Isabel SOARES
④ 世界銀行、OPECプロジェクトのコンサルタント会社		
PROFABRIL	プロジェクト担当員	Mr. Luis LOUREIRO
		Mr. Joaquim A. Pimentel S. VISEU
⑤ 海運会社		
NAVAL	部長	Mr. Luis GONCALVES

4 当該国の社会・経済事情

当該国の社会・経済事情

国名	モザンビーク共和国
	Republic of Mozambique

一般指標				
政体	共和制	*1	首都	マプト
元首	President Joaquim A. CHISSANO	*1	主要都市名	ベラ、マツラ、マツ
独立年月日	1975年06月25日	*1	経済活動可人口	9,000千人 (1992年)
人種(部族)構成	マクワンゲ族52%、マク12%、ショ16%	*1	義務教育年数	7年間 (1994年)
		*1	初等教育就学率	-%
言語・公用語	ポルトガル語	*1	初等教育終了率	40.0% (1990年)
宗教	地域信仰60%、キリスト教30%、回教10%	*1	識字率	34.0% (1992年)
国連加盟	1975年09月	*2	人口密度	22.1228人/Km ² (1994年)
世銀・IMF加盟	1984年09月	*3	人口増加率	5.87% (1994年)
			平均寿命	平均48.03 男46.22 女49.9
			5歳児未満死亡率	240 /1000 (1992年)
面積	801.59千Km ²	*4	加給供給量	1,810.0cal/日/人 (1990年)
人口	17,346.28千人 (1994年)	*4		

経済指標				
通貨単位	メティカル	*1	貿易量	(1992年)
為替レート(1US\$)	1US\$= 10,090.0 (12月)	*6	輸出	-百万ドル
会計年度	1月~ 12月	*1	輸入	-百万ドル
国家予算		*7	輸入削減率	2.1% (1991年)
歳入	-百万ドル	*7	主要輸出品目	海老、キューブ、砂糖、コアラ、柑橘
歳出	-百万ドル	*7	主要輸入品目	食品、衣服、農業機械、石油
国際収支	-472.00百万ドル (1992年)	*7	日本への輸出	16.0百万ドル (1992年)
ODA受取額	1,393.00百万ドル (1992年)	*8	日本からの輸入	25.0百万ドル (1992年)
国内総生産(GDP)	1,468.00百万ドル (1993年)	*9		
一人当たりGNP	90.0ドル (1993年)	*9	外貨準備総額	239.64百万ドル (1991年)
GDP産業別構成	農業 64.0% (1992年)	*10	対外債務残高	4,928.0百万ドル (1992年)
	鉱工業 15.0% (1992年)		対外債務返済率	9.4% (1992年)
	サービス業 21.0% (1992年)		位率	35.0% (1992年)
産業別雇用	農業 85.0% (1992年)	*5		
	鉱工業 7.0% (1992年)			
	サービス業 8.0% (1992年)		国家開発計画	経済社会開発の戦略と計画 1992年~1994年
経済成長率	-4.5% (1992年)	*8		

気象(1941年~1983年平均) 場所: Maputo (標高 59m)													
月	1	2	3	4	5	6	7	8	9	10	11	12	平均計
最高気温	30.0	31.0	29.0	28.0	27.0	25.0	24.0	26.0	27.0	28.0	28.0	29.0	27.6℃
最低気温	22.0	22.0	21.0	19.0	16.0	13.0	13.0	14.0	16.0	18.0	19.0	21.0	17.8℃
平均気温	26.4	26.2	25.6	23.5	21.5	18.9	18.9	20.0	21.5	22.5	23.8	25.4	22.9℃
降水量	130.0	125.0	125.0	53.0	28.0	20.0	13.0	13.0	28.0	48.0	81.0	97.0	761.0mm
雨期/乾期	雨	雨	雨										

*1 The World Factbook(C.I.A)(1993)
 *2 United Nations Information Center(FAX)(1994)
 *3 Development Assistance Annual Report(1995)
 *4 The World Fact Book(1995)
 *5 Human Development Report(1994)
 *6 International Financial Statistics(1995)
 *7 International Financial Statistics Yearbook(1994)

*8 World Development Report(1994)
 *9 World Tables(1995)
 *10 World Tables(1994)
 *11 World Debt Tables 1993-1994.(1993)
 *12 世界の因一覽(外務省外務報道官編集)(1993)
 *13 最新世界各国要覽(1995)
 *16 World Weather Guide(1990)

国名	モザンビーク共和国
	Republic of Mozambique

*14

項目	年度	1989	1990	1991	1992
無償資金協力		2,043.46	2,382.47	2,515.30	2,699.97
技術協力		2,146.74	1,989.63	2,050.70	2,194.95
有償資金協力		5,161.42	5,676.39	7,364.47	5,852.05
総 額		9,351.62	10,048.49	11,930.47	10,746.97

*3

項目	年度	1993	1990	1991	1992
無償資金協力		1.40	0.47	2.91	3.32
技術協力		18.78	17.00	13.51	36.52
有償資金協力		-1.27	-0.52	-0.59	-1.15
総 額		18.91	16.95	15.83	38.69

*14

	贈 与 (1)		有償資金協力 (2)	政府開発援助 (ODA) (1) + (2) = (3)	その他政府資 金及び民間資 金 (4)	経済協力総額 (3) + (4)
		技術協力				
二国間援助 (主要供与国)	674.00	137.70	336.00	1,010.00	10.20	1,020.20
1. イタリア	68.40	6.10	181.50	249.90	0.00	249.90
2. ポルトガル	18.40	13.40	145.90	164.30	10.30	174.60
3. スウェーデン	97.20	40.60	0.00	97.20	0.00	97.20
4. フランス	67.60	3.30	12.60	80.20	-1.20	79.00
多国間援助 (主要援助機関)	254.00	65.60	205.10	459.10	-0.60	458.50
1. IDA	0.00	0.00	0.00	0.00	0.00	0.00
2. WFP	0.00	0.00	0.00	0.00	0.00	0.00
そ の 他	0.70	0.00	1.50	2.20	0.00	2.20
合 計	928.70	203.30	542.60	1,471.30	9.60	1,480.90

*15

技術	関係各省庁・機関→国際協力省
無償	関係各省庁・機関→国際協力省
協力隊	

*14 Geographical Distribution of Financial Flows of Developing Countries(1994)

*15 国別協力情報(JICA)

日本からの援助状況

年 度	有償資金協力	無償資金協力	技術協力
89年度 までの 累計	40.51億円 米の延べ払い輸出(40.51)	160.95億円	1.62億円 研修員受入(12人) 調査団派遣(32人)
89年度		36.48億円 プロジェクト援助(15.00) 漁獲物沿岸運搬船建造計画(7.43) 食糧援助(5.00) 食糧増産援助(9.00)	0.17億円 研修生受入(6人)
90年度		21.50億円 カブ州道路整備計画(4.50) 栄養改善計画(3.00) 食糧援助(5.00) 食糧増産援助(9.00)	0.79億円 研修生受入(7人) 専門家派遣(2人) 調査団派遣(5人) 機材供与(8.0百万)
91年度		14.04億円 食糧援助(5.00) 食糧増産援助(9.00) 小規模無償(1件)(0.04)	0.67億円 研修員受入(6人) 機材供与(9.7百万)
92年度		51.80億円 漁船修理施設建設計画(1/2期)(5.73) プロジェクト援助(25.00) 食糧援助(7.00) 食糧援助(2.50) 食糧増産援助(9.00) 災害緊急援助(年内被災民救済)(2.50) 小規模無償(1件)(0.07)	2.29億円 研修生受入(5人) 調査団派遣(39人) 機材供与(0.9百万)
93年度		38.19億円 ラジオ放送施設充計画(9.73) 栄養改善計画(3.25) 漁船修理施設建設計画(2/2期)(9.07) 食糧援助(7.00) 食糧増産援助(9.00) 小規模無償(2件)(0.14)	0.75億円 研修員受入(6人) 調査団派遣(3人) 機材供与(0.9百万)
94年度		21.81億円 帰還民支援計画(4.82) ニヤバ村道路補修機材整備計画(6.99) 食糧増産援助(10.00)	
94年度 までの 累計	40.51億円	344.77億円	6.29億円 研修員受入(42人) 専門家派遣(2人) 調査団派遣(79人) 機材供与(19.5百万)

出典：我が国の政府開発援助(1995)

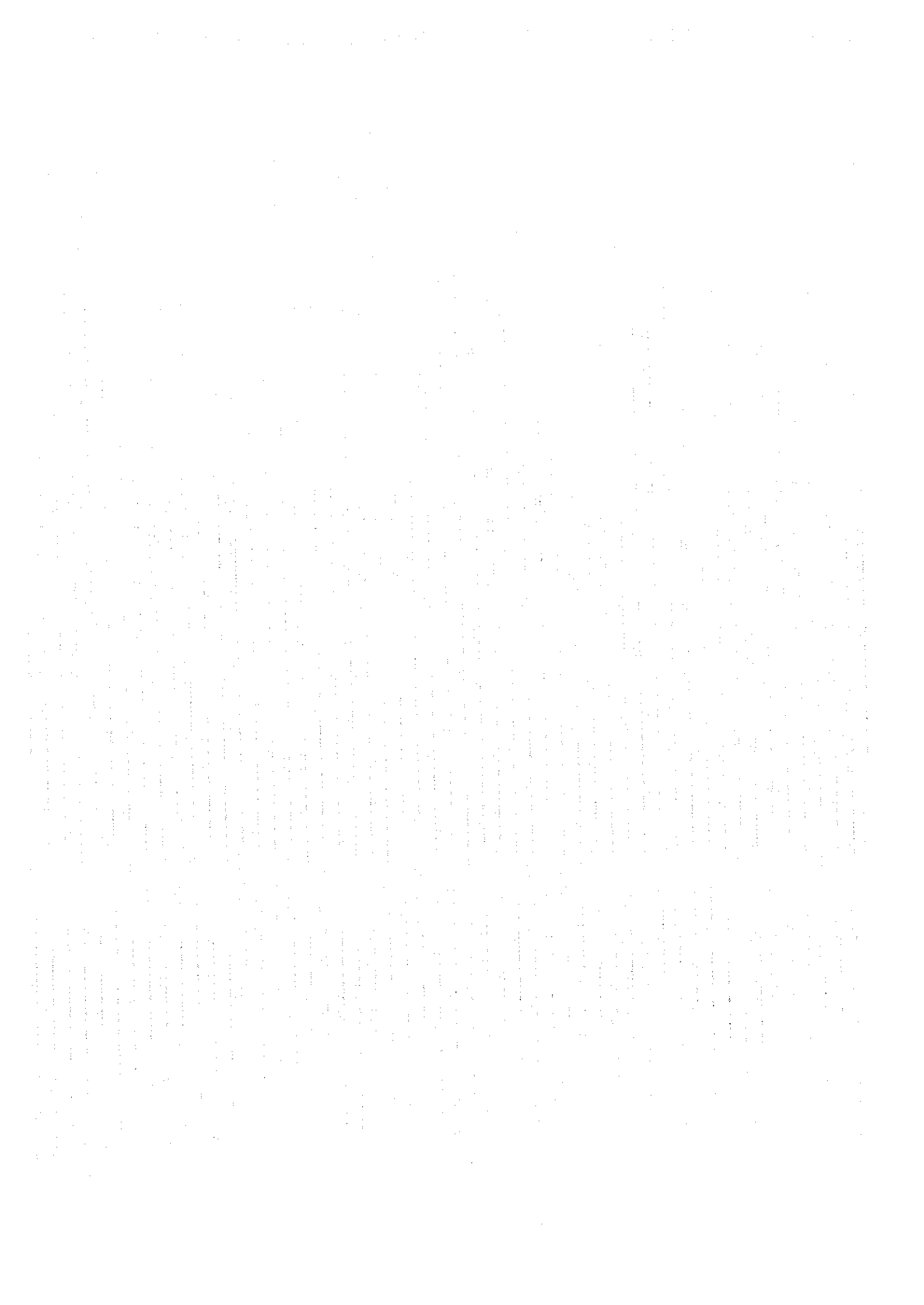
5 参考資料リスト

参考資料リスト

資料名	収集先
(1) 一般資料	
・モザンビーク国地図	
・モザンビーク国社会経済開発計画 Strategy and Program for Economic and Social Development	保健省
・プロファブリル グループ プロファイル (コンサルタント会社) Profile of PROFABRIL GROUP	PROFABRIL Corp.
(2) 保健省関連資料	
・保健省宛質問書回答	保健省
・保健医療分野実施プロジェクト一覧表	保健省
・モザンビーク国保健医療分野改善・開発計画 The Public Health Sector in MOZAMBIQUE A Post-war Strategy for Rehabilitation and Sustained Development.	保健省
・ベイラ中央病院改修計画 (OPEC 融資プロジェクト) 1994年2月 Rehabilitation Plan of The Central Hospital in BEIRA (OPEC)	保健省
(3) 国際機関等他援助機関関連資料	
・モザンビーク国保健医療開発計画 1992 (世界保健機関) Health Development Policy, Mozambique 1992(WHIO)	保健省
・保健医療分野における技術協力プロジェクト同意書 Agreement for Technical Assistance in the Health Sector	国連開発計画
・マプト中央病院改修計画/マスタープラン (世界銀行)	1992年12月 保健省
・ベイラ中央病院改修計画/マスタープラン (世界銀行)	1992年 9月 保健省
・ナンブラ中央病院改修計画/マスタープラン (世界銀行)	1993年 2月 保健省
(4) 中央病院関連資料	
・マプト中央病院活動白書 (1995) MAPUTO Central Hospital Annual Report (1995)	マプト中央病院
・マプト中央病院予算内訳 (1996) MAPUTO Central Hospital Budget Distribution	マプト中央病院

資料名	収集先
・マプト中央病院宛質問書回答	マプト中央病院
・ベイラ中央病院宛質問書回答	ベイラ中央病院
・ナンプラ中央病院宛質問書回答	ナンプラ中央病院

6 財務分析資料



財務分析資料

財務分析/ケース1 ＜マブト中央病院＞		単位：千円												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
I. 収支	収入	7,100,000	8,165,000	10,798,213	12,417,944	14,280,636	16,422,731	18,886,141	21,719,062	24,976,922	28,723,460	34,976,922	49,784,985	57,252,733
	職員給与	14,152,000	16,274,809	18,716,020	21,523,423	24,751,936	28,484,727	32,734,436	37,644,601	42,291,292	49,784,985	57,252,733	74,761,907	85,916,133
II. 病院診療収入	患者増加	34,750	35,654	37,532	38,507	39,509	40,536	41,590	42,671	43,781	44,919	46,087	47,284	48,511
	入院費	41,700	42,784	43,897	45,038	46,209	47,410	48,643	49,908	51,205	52,537	53,915	55,338	56,806
	診療費	2,025,000	4,050,000	4,263,338	4,487,185	4,729,913	4,982,329	5,244,319	5,515,762	5,796,771	6,087,447	6,387,891	6,698,224	7,019,557
	手術費	325,000	650,000	684,239	702,030	720,282	739,010	758,224	778,004	798,344	819,250	840,731	862,788	885,426
	材料費	154,000	308,000	316,008	324,224	332,654	341,302	350,177	359,288	368,623	378,207	388,040	398,116	408,436
	入院費	17,000	34,000	35,791	36,722	37,692	38,702	39,752	40,842	41,972	43,142	44,352	45,602	46,892
	診療費	2,597,450	5,120,438	5,390,192	5,630,306	5,874,024	6,122,620	6,376,192	6,634,840	6,898,572	7,167,388	7,441,288	7,720,272	8,004,340
	小計	303,421	29,560,238	33,359,339	37,311,797	41,419,457	45,778,788	50,400,615	55,300,725	60,482,297	65,944,615	71,688,141	77,719,062	84,049,522
	収入合計	22,896,872	29,560,238	33,359,339	37,311,797	41,419,457	45,778,788	50,400,615	55,300,725	60,482,297	65,944,615	71,688,141	77,719,062	84,049,522
	III. 支出	職員給与	7,100,000	8,165,000	10,798,213	12,417,944	14,280,636	16,422,731	18,886,141	21,719,062	24,976,922	28,723,460	34,976,922	49,784,985
医療費		65,071	74,832	77,033	78,250	79,424	80,615	81,824	83,052	84,297	85,562	86,847	88,151	89,475
診療費		7,165,071	8,239,832	10,875,306	12,496,194	14,360,060	16,503,346	18,907,965	21,602,114	24,600,219	27,900,022	31,500,000	35,400,000	39,600,000
患者/物価		704,921	831,736	1,021,984	1,064,284	1,108,325	1,154,209	1,201,982	1,251,732	1,303,541	1,357,494	1,413,501	1,471,671	1,531,914
入院費		2,740	3,158	3,578	4,000	4,424	4,851	5,281	5,714	6,151	6,590	7,032	7,477	7,924
診療費		767,814	882,986	1,167,749	1,342,911	1,544,348	1,776,000	2,042,401	2,348,761	2,701,075	3,106,236	3,564,501	4,077,177	4,645,885
手術費		33,108	66,216	68,424	70,406	72,410	74,436	76,484	78,554	80,644	82,754	84,884	87,024	89,184
材料費		720	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440
入院費		1,845	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690
診療費		236,882	473,764	589,764	643,360	739,864	850,843	978,470	1,125,240	1,294,026	1,488,130	1,698,662	1,926,816	2,173,962
小計	33,820	38,663	44,462	45,132	45,802	46,472	47,142	47,812	48,482	49,152	49,822	50,492	51,162	
支出合計	7,165,071	8,239,832	10,875,306	12,496,194	14,360,060	16,503,346	18,907,965	21,602,114	24,600,219	27,900,022	31,500,000	35,400,000	39,600,000	
IV. 経常収支	給食材料費	1,400,883	1,659,087	2,194,077	2,823,188	3,601,667	4,544,811	5,654,481	6,944,811	8,424,811	10,104,811	11,984,811	14,064,811	16,344,811
	燃料費	984,286	1,132,044	1,497,128	1,721,697	1,979,952	2,270,945	2,618,486	3,011,259	3,454,948	3,948,731	4,492,514	5,086,297	5,729,080
	水代	724,003	832,603	1,101,118	1,266,286	1,456,229	1,674,663	1,925,862	2,214,742	2,540,953	2,918,164	3,336,375	3,804,586	4,322,797
	光熱費	1,104,000	1,269,000	1,679,046	1,930,903	2,220,538	2,553,619	2,936,662	3,377,161	3,868,735	4,419,809	5,031,883	5,714,957	6,469,031
	医薬品購入費	7,166,843	8,458,158	11,183,269	12,860,759	14,789,873	17,008,354	19,539,607	22,493,949	25,867,581	29,747,718	34,132,855	39,018,992	44,410,129
	患者移送費	452,280	520,122	607,112	616,219	625,462	634,844	644,267	654,022	663,843	673,801	683,860	693,919	703,978
	買付搬送費	11,862	13,641	15,923	16,162	16,404	16,650	16,900	17,153	17,411	17,672	17,933	18,194	18,455
	その他	2,139,987	2,469,985	2,872,585	2,915,674	2,959,408	3,003,800	3,048,857	3,094,590	3,141,008	3,188,124	3,235,240	3,282,356	3,329,472
	小計	13,995,444	16,351,270	21,139,621	23,861,655	26,961,916	30,520,031	34,604,571	39,294,390	44,680,169	50,866,189	57,952,209	65,038,229	73,124,249
	経常収支	349,541	401,972	521,608	611,349	703,520	808,510	929,786	1,069,354	1,229,642	1,414,888	1,619,134	1,834,380	2,059,626
施設維持管理	42,777	50,344	66,579	76,566	88,052	101,259	116,448	133,915	154,002	177,102	203,189	231,276	261,363	
車輦維持管理	453,089	521,052	688,092	792,455	911,324	1,048,010	1,205,226	1,384,010	1,584,911	1,808,812	2,056,713	2,338,614	2,654,515	
医療機械維持管理	3,493,619	4,122,145	4,863,718	5,738,701	6,771,094	7,989,214	9,426,473	11,122,296	13,123,197	15,484,960	18,212,723	21,324,486	24,825,249	
本館内機械維持管理	19,355	25,597	29,437	33,852	38,920	44,759	51,485	59,211	68,046	78,088	89,430	102,172	117,414	
その他	865,762	4,489,265	5,267,115	6,140,434	7,232,925	8,542,450	10,094,974	11,929,417	14,064,860	16,609,303	19,653,746	23,208,189	27,262,632	
小計	24,155,778	31,549,924	36,403,717	41,403,452	47,166,041	53,807,437	61,463,734	70,292,470	80,475,731	92,224,105	105,781,142	121,240,519	138,799,895	
支出合計	24,155,778	31,549,924	36,403,717	41,403,452	47,166,041	53,807,437	61,463,734	70,292,470	80,475,731	92,224,105	105,781,142	121,240,519	138,799,895	
収入-支出	-258,901	-1,988,754	-3,042,378	-3,691,655	-4,465,894	-5,387,986	-6,484,950	-7,788,744	-9,337,947	-11,174,963	-13,363,865	-15,914,763	-18,847,162	
減価償却を考慮した 綜合的収支		-4,141,644	-5,194,268	-5,617,744	-6,517,744	-7,509,870	-8,636,840	-9,940,634	-11,498,987	-13,326,473	-15,505,745	-18,054,008	-20,982,271	

財務分析/ケース1
くべイラ中央病院

単位：千円

収入	1995	1998	2000	2001	2002	2003	2004	2005	2006	2007
I. 保健手当金	5,254,911	6,943,148	7,992,063	9,190,872	10,569,503	12,154,928	13,978,168	16,074,893	18,486,127	21,259,046
職員給与	2,150,963	3,587,527	3,709,925	4,442,264	5,319,167	6,369,170	7,625,444	9,131,905	10,924,542	13,093,021
運営経費	7,103,874	8,630,685	11,701,967	13,623,190	15,888,670	18,524,939	21,694,612	25,206,797	29,420,669	34,352,067
小計	15,750	16,160	17,011	17,453	17,907	18,372	18,850	19,340	19,843	20,359
II. 病院診療収入	15,750	16,160	17,011	17,453	17,907	18,372	18,850	19,340	19,843	20,359
外来診療費	7,800	8,003	8,211	8,643	8,868	9,099	9,335	9,578	9,827	10,082
入院費	102,500	205,000	215,799	221,409	227,166	233,072	239,132	245,850	251,729	258,274
小児科	11,250	22,500	23,685	24,201	24,933	25,581	26,346	27,129	27,929	28,747
手術科	260	520	547	562	576	591	607	622	639	655
放射線科	15,200	13,868	13,543	14,257	14,971	15,685	16,399	17,113	17,827	18,541
内臓科	144,160	265,242	372,282	496,625	624,077	761,723	909,568	1,067,414	1,235,260	1,403,106
小計	1,163,546	1,338,135	1,538,856	1,769,644	2,040,407	2,361,468	2,722,529	3,083,590	3,444,651	3,805,712
III. 外国進出補助	8,723,630	10,234,202	11,859,075	13,751,033	15,954,898	18,523,154	21,517,290	25,009,369	29,093,881	33,839,431
収入合計	24,728,391	28,315,543	31,391,950	35,106,352	39,544,017	44,038,011	49,390,347	54,869,052	60,464,661	66,194,244
支出	1995	1998	2000	2001	2002	2003	2004	2005	2006	2007
I. 職員給与	5,157,922	6,821,365	7,844,570	9,021,255	10,374,444	11,930,610	13,720,202	15,778,232	18,144,967	20,866,712
保健手当金	95,979	111,526	147,493	169,617	195,034	224,318	257,969	296,661	341,160	394,234
病院費用	3,254,911	6,043,148	7,992,063	9,190,872	10,569,503	12,154,928	13,978,168	16,074,893	18,486,127	21,259,046
小計	60,000	69,000	91,253	104,940	120,681	138,784	159,601	183,541	211,073	242,733
II. 事務経費	310,102	112,966	118,916	122,008	125,180	128,435	131,774	135,200	138,716	142,322
診療料	245,000	251,970	254,611	271,491	278,792	285,792	293,223	300,847	308,669	316,694
広告費	10,000	10,260	10,800	11,081	11,369	11,665	11,968	12,279	12,599	12,926
社会活動費	80,000	82,080	86,404	88,650	90,955	93,320	95,746	98,236	100,790	103,410
通信費	348,840	357,910	367,215	376,763	386,559	396,609	406,921	417,501	428,356	439,494
院内清掃費	227,400	335,912	344,646	352,607	362,801	373,234	383,912	402,029	412,482	423,206
その他	1,172,503	1,210,428	1,252,806	1,327,735	1,385,528	1,430,517	1,491,075	1,549,624	1,612,682	1,680,786
III. 運営経費	1,626,067	1,918,596	2,671,001	3,151,514	3,718,471	4,387,424	5,176,722	6,108,014	7,206,846	8,503,358
給食材料費	240,000	246,240	252,642	265,950	272,865	279,960	287,239	294,707	302,369	310,231
燃料費	0	0	0	0	0	0	0	0	0	0
水代	250,000	256,500	270,011	277,022	284,235	291,625	299,207	306,986	314,968	323,157
光熱費	15,000	15,390	15,790	16,201	16,622	17,054	17,497	17,952	18,419	18,898
医薬品購入費	0	0	0	0	0	0	0	0	0	0
医療ガスメーター	100,000	102,600	108,005	110,813	113,694	116,650	119,683	122,794	125,987	129,263
患者移送費	70,000	71,320	75,603	77,569	79,586	81,655	83,778	85,956	88,191	90,484
資材搬送費	2,301,067	2,613,146	3,400,032	3,899,500	4,485,905	5,174,811	5,964,581	6,936,877	8,057,259	9,375,862
その他	250,000	256,500	270,011	277,022	284,235	291,625	299,207	306,986	314,968	323,157
施設維持管理	475,000	487,350	513,022	526,360	540,046	554,087	568,493	583,274	598,439	613,998
車庫維持管理	200,000	235,980	278,433	287,624	297,358	307,624	318,414	329,717	341,541	353,880
医療維持管理	1,770,911	2,026,548	2,342,030	2,693,334	3,097,334	3,561,905	4,096,235	4,710,658	5,417,257	6,223,846
本計画維持管理	925,000	2,750,741	3,078,171	3,453,586	3,884,350	4,347,292	4,947,292	5,600,642	6,362,181	7,217,078
その他	9,653,481	12,615,462	14,252,554	16,138,487	18,312,457	20,819,908	23,713,538	27,054,465	30,913,585	35,373,148
小計	9,929,851	12,381,261	14,393,479	16,357,559	18,726,754	21,517,290	24,869,347	28,722,529	33,093,881	38,009,431
支出合計	24,728,391	28,315,543	31,391,950	35,106,352	39,544,017	44,038,011	49,390,347	54,869,052	60,464,661	66,194,244
収入-支出	0	0	0	0	0	0	0	0	0	0
収入-支出	-4,533,151	-4,545,369	-4,539,244	-4,509,449	-4,448,644	-4,348,138	-4,196,986	-3,981,594	-3,685,107	-3,286,676

		単位：千円										
収入		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
I. 保健者子債	職員給与	8,001,700	9,017,916	10,163,191	11,453,917	12,908,564	14,547,952	16,395,541	18,477,775	20,824,453	23,469,158	
	賞与	16,274,800	18,716,020	21,523,423	24,751,936	28,464,727	32,734,436	37,644,601	43,291,292	49,784,985	57,252,733	
小計		24,276,500	27,733,936	31,686,614	36,205,853	41,373,291	47,282,387	54,040,143	61,769,067	70,609,438	80,721,891	
II. 病院診療収入	外来診療費	36,367	38,058	39,829	41,682	43,621	45,650	47,774	49,996	52,322	54,756	
	入院費	44,923	48,396	52,137	56,167	60,509	65,186	70,225	75,634	81,502	87,802	
	小児科	4,685,483	5,443,856	6,311,438	7,317,424	8,483,424	9,835,404	11,403,913	13,220,913	15,228,062	17,771,049	
	大手術	813,618	1,274,779	1,895,666	2,604,949	3,497,328	4,500,095	5,691,419	7,017,156	8,523,354	10,137,412	
	放射線検査	385,530	482,575	604,949	756,100	946,420	1,184,620	1,482,863	1,856,129	2,323,354	2,908,189	
	内視鏡検査	39,419	49,341	61,762	77,308	96,768	121,127	151,017	189,782	237,554	297,351	
	検査	4,800	4,925	5,053	5,184	5,319	5,457	5,599	5,745	5,894	6,047	
	麻酔	3,900	4,001	4,105	4,212	4,322	4,434	4,549	4,668	4,789	4,913	
	前年度繰越	1,500	1,539	1,579	1,620	1,662	1,705	1,750	1,795	1,842	1,890	
	小計	6,015,366	7,080,549	8,344,354	9,845,348	11,629,327	13,752,522	16,285,322	19,309,650	22,925,977	27,256,556	
	収入合計		30,291,866	34,814,485	40,030,968	46,057,791	53,002,618	61,034,910	70,425,664	81,078,647	93,535,415	107,978,450
	I. 職員給与	職員給与	8,001,700	9,017,916	10,163,191	11,453,917	12,908,564	14,547,952	16,295,541	18,477,775	20,824,453	23,469,158
病院職員		74,832	86,956	94,965	113,830	130,881	150,513	173,090	199,054	228,912	263,248	
小計		8,076,532	9,103,972	10,258,156	11,567,747	13,039,445	14,698,465	16,468,632	18,676,829	21,053,364	23,732,407	
II. 事務関連経費		診療科発行	831,736	981,366	1,157,913	1,366,222	1,612,005	1,902,005	2,244,176	2,647,903	3,124,261	3,686,315
		出張旅費	3,151	3,624	4,167	4,782	5,511	6,338	7,288	8,382	9,639	11,085
		海外旅費	882,986	1,015,434	1,167,749	1,342,911	1,544,948	1,776,000	2,042,401	2,348,761	2,701,075	3,106,236
		被服費	26,574	30,500	35,144	40,416	46,478	53,450	61,468	70,688	81,291	93,485
		広生費	828	952	1,095	1,259	1,448	1,665	1,915	2,202	2,533	2,913
		社会活動費	2,122	2,440	2,806	3,227	3,711	4,268	4,908	5,644	6,490	7,464
		通信費	260,914	300,051	345,059	396,818	456,341	524,792	602,511	694,037	798,143	917,864
		院内消費費	423,019	486,472	559,442	642,360	739,864	850,843	978,470	1,125,240	1,294,026	1,488,130
		その他	38,663	44,462	51,132	58,892	67,822	77,565	88,420	102,844	118,271	136,012
	小計	2,493,994	2,865,362	3,323,509	3,857,807	4,477,328	5,177,127	5,933,596	6,735,729	7,605,701	8,449,503	
	III. 運営経費	総務材料費	1,659,037	1,907,893	2,194,077	2,523,188	2,901,667	3,326,917	3,837,454	4,413,072	5,075,022	5,806,288
		燃料費	1,132,044	1,301,850	1,497,128	1,721,697	1,979,952	2,276,945	2,618,486	3,011,259	3,462,948	3,982,390
水代		832,603	957,494	1,101,118	1,266,280	1,456,229	1,674,663	1,925,862	2,214,742	2,546,933	2,928,996	
光熱費		1,209,600	1,460,040	1,679,046	1,930,303	2,220,538	2,553,619	2,936,662	3,377,161	3,883,735	4,466,296	
医薬品入費		7,079	8,141	9,363	10,767	12,382	14,239	16,375	18,891	21,656	24,904	
既製ガス購入費		8,456,158	9,724,582	11,183,269	12,860,759	14,789,873	17,008,954	19,559,607	22,493,549	25,867,581	29,747,718	
患者移送費		520,122	598,140	607,112	616,219	625,462	634,844	644,367	654,032	663,843	673,801	
資材搬送費		13,641	15,687	15,923	16,162	16,404	16,650	16,900	17,153	17,411	17,672	
その他		2,460,985	2,850,133	3,279,585	3,815,674	4,399,408	5,032,800	5,714,008	6,444,590	7,218,008	8,033,124	
小計		15,351,270	18,003,961	21,159,621	23,861,655	26,961,916	30,520,031	34,604,371	39,294,390	44,080,103	49,069,184	
IV. 経財管理費		施設維持管理	401,972	462,268	531,608	611,349	703,652	808,510	929,786	1,069,254	1,229,642	1,414,088
		車輦維持管理	50,344	57,895	66,579	76,566	88,051	101,259	116,448	133,915	154,002	177,102
	医療器材維持管理	534,600	630,774	744,250	878,141	1,036,119	1,222,516	1,442,447	1,701,943	2,008,123	2,369,384	
	本計画維持管理	3,493,639	4,122,145	4,863,718	5,738,701	6,771,094	7,989,214	9,426,473	11,122,296	13,123,197	15,484,060	
	その他	22,258	25,597	29,537	33,852	38,952	44,769	51,485	59,207	68,088	78,302	
	小計	4,502,813	5,288,679	6,235,692	7,338,610	8,632,245	10,166,082	11,966,629	14,086,615	16,583,052	19,522,937	
	支出合計		31,400,609	36,071,474	40,981,879	46,625,794	53,115,934	60,987,890	69,173,407	79,063,585	90,482,314	103,571,935
	収入-支出		-1,108,743	-1,257,989	-1,451,211	-1,675,897	-1,844,317	-2,013,978	-2,212,743	-2,414,538	-2,618,899	-2,823,484
	減価償却を考慮した場合の収支		-3,260,653	-3,409,279	-3,103,101	-2,727,487	-2,266,207	-1,698,871	-699,832	-136,728	931,211	2,255,524

		単位：千円										
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
I. 保健者子債	収入	5,922,285	6,074,415	7,522,066	8,477,308	9,553,994	10,767,351	12,124,804	13,675,934	15,412,767	17,370,188	
	減価償却	2,587,537	3,098,317	3,709,925	4,442,254	5,319,197	6,369,170	7,626,444	9,131,905	10,934,542	13,093,021	
小計		8,509,822	9,172,732	11,231,991	12,919,562	14,873,191	17,136,521	19,751,249	22,807,839	26,347,209	30,463,209	
II. 病院施設収入	25%-30%患者増加	16,483	17,249	18,052	18,892	19,771	20,690	21,653	22,660	23,714	24,817	
	入院費	8,403	9,052	9,752	10,506	11,318	12,193	13,136	14,151	15,245	16,423	
	10%-30%患者増加	237,673	275,553	319,471	370,388	429,421	497,862	577,211	669,207	775,865	899,522	
	小児科・小手術	28,164	35,253	44,127	55,235	69,138	86,542	108,359	135,594	169,726	212,449	
	5%-30%患者増加	651	1,020	1,277	1,777	2,504	3,134	4,000	5,293	7,194	9,910	
	5%-30%患者増加	15,304	19,156	23,978	30,014	37,569	47,026	58,863	73,680	92,227	115,442	
	10%-30%患者増加	1,500	1,539	1,579	1,622	1,662	1,705	1,750	1,795	1,842	1,890	
	リハビリテーション	308,177	357,079	415,400	483,311	568,814	666,313	781,632	918,428	1,080,699	1,273,564	
	小計	1,328,135	1,538,456	1,769,684	2,035,137	2,340,407	2,691,498	3,095,138	3,559,467	4,093,287	4,707,395	
	III. 外国産者補助	10,156,134	11,068,667	13,418,074	15,441,079	17,742,382	20,494,302	23,658,129	27,285,721	31,521,995	36,444,194	
収入合計												
支出		5,812,989	6,551,239	7,383,246	8,320,919	9,377,675	10,568,640	11,910,857	13,423,536	15,128,325	17,049,623	
I. 職員給与	保健者所屬職員	109,295	123,178	138,819	156,449	176,318	198,711	222,947	252,388	284,441	320,556	
	小計	5,922,285	6,674,415	7,522,066	8,477,308	9,553,994	10,767,351	12,124,804	13,675,934	15,412,767	17,370,188	
	II. 事務経費	診療料収入	0	0	0	0	0	0	0	0	0	0
		診療料支出	69,000	79,350	91,253	104,940	120,681	138,784	159,601	182,541	211,073	242,733
		海外旅費	0	0	0	0	0	0	0	0	0	0
		旅費	112,966	115,903	118,916	122,008	125,180	128,435	131,774	135,200	138,716	142,322
		旅費	251,370	257,906	264,611	271,491	278,550	285,792	293,223	300,847	308,669	316,694
		旅費	10,260	10,527	10,800	11,081	11,369	11,665	11,968	12,279	12,594	12,926
		旅費	82,080	84,214	86,404	88,650	90,955	93,320	95,746	98,236	100,790	103,410
		旅費	348,840	357,910	367,215	376,763	386,559	396,609	406,921	417,501	428,356	439,494
旅費		335,912	344,646	353,607	362,801	372,234	381,841	391,629	401,629	411,852	422,306	
小計		1,210,428	1,250,455	1,292,805	1,337,733	1,385,528	1,436,517	1,491,073	1,549,624	1,612,632	1,680,286	
III. 運営経費	給食材料費	1,918,590	2,292,752	2,671,001	3,151,514	3,718,471	4,387,424	5,176,722	6,108,014	7,206,846	8,503,358	
	燃料費	246,240	252,642	259,211	265,990	272,805	279,960	287,239	294,707	302,369	310,231	
	水代	0	0	0	0	0	0	0	0	0	0	
	光熱費	256,500	293,169	270,011	277,032	284,235	291,625	299,207	306,986	314,968	323,157	
	試薬購入費	15,390	15,790	15,201	16,622	17,054	17,497	17,952	18,419	18,898	19,389	
	医療ガス購入費	0	0	0	0	0	0	0	0	0	0	
	患者検査費	102,500	105,268	108,005	110,813	113,694	116,650	119,682	122,794	125,987	129,263	
	資材搬送費	71,830	73,687	75,603	77,569	79,586	81,655	83,778	85,956	88,191	90,484	
	その他	2,611,156	2,974,308	3,400,032	3,899,500	4,485,905	5,174,811	5,984,581	6,939,877	8,052,659	9,375,862	
	小計	5,566,500	6,011,156	6,550,032	7,100,014	7,700,014	8,360,014	9,080,014	9,860,014	10,700,014	11,600,014	
IV. 維持管理費	施設維持管理	256,500	263,169	270,011	277,032	284,235	291,625	299,207	306,986	314,968	323,157	
	車庫維持管理	487,350	513,022	538,694	564,366	590,038	615,710	641,382	667,054	692,726	718,398	
	患者維持管理	235,980	278,433	320,886	363,339	405,792	448,245	490,698	533,151	575,604	618,057	
	医療器材維持管理	1,770,911	1,816,955	1,864,199	1,912,655	1,962,394	2,013,416	2,065,765	2,119,475	2,174,581	2,231,120	
	本計画維持管理	0	0	0	0	0	0	0	0	0	0	
	その他	2,750,741	2,858,578	2,975,751	3,103,681	3,244,022	3,398,764	3,570,182	3,760,997	3,974,402	4,214,156	
	小計	12,484,000	13,757,759	15,190,656	16,818,283	18,659,458	20,777,442	23,180,642	25,923,433	29,057,112	32,641,012	
	支出合計											
	収入-支出	-2,388,466	-2,089,089	-1,722,581	-1,371,304	-887,076	-283,140	457,487	1,362,289	2,464,283	3,403,136	3,803,136
	減価償却を考慮した 剰余金の取立	-4,490,356	-4,240,979	-3,924,471	-3,529,094	-3,038,966	-2,435,030	-1,694,403	-789,601	312,793	1,651,266	

経営分析/ケース2
＜ランプラ中央病院＞

単位：千円

取入	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Ⅰ. 医療者等										
職員給与	3,483,697	2,925,126	4,424,744	4,986,687	5,619,996	6,333,736	7,138,120	8,044,661	9,066,333	10,217,757
運営費	2,692,500	3,525,033	4,287,681	5,132,354	6,143,428	7,253,683	8,802,359	10,536,423	12,612,099	15,096,582
小計	6,176,197	7,508,159	8,712,425	10,119,041	11,763,424	13,587,419	15,940,479	18,581,084	21,678,432	25,314,340
Ⅱ. 病院診療収入										
外来診療費	16,272	17,363	18,527	19,769	21,095	22,569	24,018	25,628	27,346	29,179
特別診療費	8,208	8,421	8,658	8,906	9,163	9,430	9,703	9,984	10,271	10,561
特別入院費	10,260	10,527	10,800	11,081	11,370	11,665	11,964	12,272	12,589	12,916
入院費	12,364	13,193	14,077	15,021	16,028	17,102	18,249	19,472	20,778	22,171
内視鏡検査	5,400	5,540	5,684	5,832	5,984	6,139	6,299	6,463	6,631	6,802
リハビリテーション	600	616	632	648	665	682	700	718	737	756
小計	53,104	55,669	58,361	61,217	64,236	67,430	70,809	74,384	78,169	82,177
Ⅲ. 外国通貨補助										
収入合計	6,529,301	7,563,828	8,770,786	10,180,258	11,827,660	13,754,848	16,011,287	18,655,468	21,756,601	25,396,516
支出										
Ⅰ. 職員給与										
役員報酬	3,483,697	3,925,126	4,424,744	4,986,687	5,619,996	6,333,736	7,138,120	8,044,661	9,066,333	10,217,757
小計	3,483,697	3,925,126	4,424,744	4,986,687	5,619,996	6,333,736	7,138,120	8,044,661	9,066,333	10,217,757
Ⅱ. 事務関連経費										
診療券発行	99,640	117,565	138,715	163,670	193,115	227,856	268,847	317,213	374,280	441,613
出張旅費等	7,828	8,032	8,241	8,455	8,675	8,900	9,132	9,369	9,613	9,863
被服費	5,540	5,684	5,832	5,984	6,139	6,299	6,463	6,631	6,802	6,980
事務用品等購入費	58,006	59,514	61,061	62,649	64,278	65,949	67,664	69,423	71,228	73,080
書籍等購入費	16,713	17,147	17,593	18,050	18,520	19,001	19,495	19,992	20,502	21,026
その他	21,787	22,354	22,935	23,531	24,143	24,771	25,415	26,075	26,753	27,449
小計	209,515	230,297	254,378	282,340	314,869	352,776	397,016	448,714	509,199	580,040
Ⅲ. 運営経費										
給水材料費	976,957	1,152,712	1,360,085	1,604,764	1,893,461	2,234,095	2,636,008	3,110,226	3,669,756	4,329,945
院内清掃費	69,638	71,448	73,206	75,212	77,167	79,174	81,232	83,344	85,511	87,735
燃料費	96,193	98,694	101,260	103,892	106,594	109,365	112,209	115,126	118,119	121,190
厨房燃料費	17,852	18,317	18,793	19,281	19,783	20,297	20,825	21,366	21,922	22,492
車庫燃料費	79,985	82,065	84,198	86,387	88,633	90,938	93,302	95,728	98,217	100,771
通信費	182,466	187,210	192,077	197,071	202,195	207,452	212,846	218,380	224,058	229,884
光熱費	452,442	464,206	476,275	488,658	501,364	514,399	527,773	541,495	555,574	570,019
その他	666,859	684,197	701,986	720,238	738,964	758,177	777,890	798,115	818,869	840,157
小計	2,542,392	2,758,848	3,007,980	3,295,505	3,628,161	4,013,897	4,462,085	4,983,781	5,592,023	6,302,191
Ⅳ. 維持管理費										
施設維持管理	61,970	63,582	65,235	66,931	68,671	70,457	72,288	74,168	76,096	78,075
車庫維持管理	221,649	227,412	233,324	239,391	245,615	252,001	258,553	265,275	272,173	279,249
医療機材維持管理	58,405	60,912	63,469	66,076	68,733	71,440	74,200	77,015	79,887	82,815
本計画機材維持管理	742,491	755,866	769,944	784,725	799,211	814,402	829,397	844,195	858,797	873,204
小計	1,094,515	1,113,770	1,133,812	1,154,197	1,174,819	1,195,560	1,216,440	1,237,468	1,258,655	1,279,941
支出合計	7,320,119	8,129,041	9,048,915	10,046,026	11,289,130	12,649,841	14,203,077	15,977,578	18,006,569	20,228,160
収入-支出	-790,818	-565,213	-278,129	84,232	538,530	1,105,007	1,808,211	2,672,891	3,750,092	5,068,457
減価償却を考慮した 場合の収支	-2,102,447	-1,876,861	-1,589,758	-1,227,397	-773,099	-206,622	496,582	1,366,262	2,438,463	3,756,828

収入	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Ⅰ. 保険者子費										
収入	8,001,700	9,017,916	10,163,191	11,453,917	12,908,564	14,547,952	16,395,541	18,477,775	20,824,453	23,469,158
減価償却	16,274,800	18,716,020	21,523,423	24,751,926	28,464,727	32,734,436	37,644,601	43,291,292	49,784,985	57,252,732
運営費	24,276,500	27,732,936	31,686,614	36,205,853	41,373,291	47,382,387	54,040,143	61,769,067	70,609,438	80,721,591
小計	40,288	46,710	54,154	62,785	72,792	84,394	97,844	112,439	131,519	152,480
Ⅱ. 病院診療収入										
外来診療費	53,908	72,461	84,010	97,400	112,923	130,921	151,787	175,979	204,026	234,888
入院費	6,232,950	7,226,358	8,378,094	9,713,395	11,261,516	13,056,376	15,137,302	17,549,885	20,346,986	23,589,888
小処置・小手術	1,187,083	1,376,273	1,595,030	1,849,942	2,144,780	2,486,632	2,862,940	3,342,423	3,875,138	4,492,757
大手術	562,494	652,145	756,083	876,588	1,016,299	1,178,276	1,366,070	1,583,794	1,836,219	2,128,876
放射線検査	52,326	60,666	70,335	81,545	94,541	109,609	127,079	147,332	170,834	198,039
内視鏡検査	4,800	5,565	7,480	8,452	9,473	10,655	11,657	13,515	15,668	18,167
麻酔検査	3,900	4,522	5,242	6,078	7,046	8,169	9,472	10,981	12,731	14,760
麻酔器検査	1,506	1,738	2,016	2,338	2,710	3,142	3,643	4,223	4,897	5,677
リハビリテーション	8,139,249	9,436,482	10,940,469	12,684,361	14,765,762	17,049,567	19,766,927	22,917,379	26,559,951	30,804,670
小計	35,415,749	37,176,418	42,927,083	49,890,614	56,079,653	64,331,454	73,807,069	84,686,446	97,179,388	111,526,561
Ⅲ. 外国通貨補助										
収入	8,076,532	9,103,972	10,262,156	11,567,726	13,039,445	14,698,465	16,568,829	18,676,829	21,053,364	23,732,407
減価償却	831,736	981,366	1,157,913	1,366,222	1,612,005	1,902,005	2,244,176	2,647,903	3,124,261	3,686,315
診療所費	3,151	3,624	4,167	4,792	5,511	6,338	7,288	8,382	9,639	11,085
出張旅費	882,986	1,015,434	1,167,749	1,342,911	1,544,948	1,776,000	2,042,401	2,348,761	2,701,075	3,106,236
海外旅費	26,574	30,560	35,144	40,416	46,478	53,456	61,468	70,688	81,291	93,485
役員費	2,122	2,440	2,806	3,227	3,711	4,268	4,908	5,644	6,490	7,464
通信費	260,914	300,051	345,059	396,818	456,341	524,792	603,511	694,037	798,143	917,864
社会活動費	422,019	486,472	559,443	643,360	739,864	850,843	978,470	1,125,240	1,294,026	1,488,130
通信費	38,663	44,452	51,132	58,802	67,622	77,785	89,520	102,844	118,271	136,012
院内諸費	2,469,994	2,865,362	3,324,509	3,857,807	4,477,328	5,197,127	6,023,566	7,005,701	8,138,729	9,449,903
小計	1,659,037	1,907,893	2,194,077	2,523,188	2,901,667	3,336,917	3,837,454	4,413,072	5,075,033	5,836,288
Ⅳ. 運営費										
給食材料費	1,132,044	1,301,850	1,497,128	1,721,697	1,979,952	2,276,945	2,618,486	3,011,259	3,462,948	3,982,390
燃料費	822,603	957,494	1,101,118	1,266,286	1,450,229	1,674,063	1,925,862	2,214,742	2,546,953	2,928,996
水代	1,209,600	1,460,040	1,679,046	1,930,903	2,230,538	2,582,619	2,950,662	3,377,161	3,882,725	4,466,296
光熱費	7,079	8,141	9,263	10,767	12,382	14,239	16,375	18,831	21,656	24,904
光熱費	8,456,158	9,724,582	11,183,269	12,860,759	14,789,873	17,008,354	19,559,607	22,493,549	25,867,581	29,747,718
光熱費	520,122	598,140	697,112	816,219	952,482	1,114,844	1,304,844	1,529,844	1,798,844	2,114,844
患者移送費	13,641	15,987	18,923	22,462	26,602	31,442	37,082	43,522	50,762	58,902
患者移送費	2,469,985	2,830,133	3,272,585	3,815,674	4,469,409	5,243,800	6,159,800	7,229,800	8,484,800	9,949,800
資材運送費	19,351,270	22,803,961	26,759,621	31,359,621	36,961,916	43,861,655	51,404,571	60,000,000	69,999,999	81,000,000
その他	401,972	482,268	581,608	699,318	838,618	1,000,318	1,190,318	1,410,318	1,670,318	1,970,318
施設維持管理	50,344	57,895	66,774	77,124	89,024	1,030,318	1,190,318	1,380,318	1,600,318	1,850,318
施設維持管理	534,600	630,774	744,250	878,141	1,036,119	1,222,516	1,442,447	1,701,943	2,008,123	2,369,384
医療器材維持管理	3,493,639	4,122,145	4,863,718	5,738,701	6,771,084	7,989,214	9,420,473	11,122,296	13,123,197	15,484,060
本計画外維持管理	22,258	25,597	29,437	33,852	39,437	45,769	52,907	60,988	70,088	80,302
その他	4,502,813	5,298,674	6,255,593	7,388,610	8,627,265	10,166,268	11,966,639	14,086,615	16,583,952	19,522,937
小計	31,400,509	36,071,974	40,981,874	46,625,799	53,115,934	60,681,890	69,773,407	79,082,551	90,452,914	103,571,035
支出合計	1,015,140	1,094,444	1,264,204	1,464,215	1,693,194	1,963,663	2,283,663	2,652,911	3,082,911	3,565,525
収入-支出	-1,136,750	-1,052,446	-666,646	-112,325	811,299	1,598,174	2,481,773	3,471,021	4,575,185	5,809,636

財務分析/ケース3
＜ペイラ中央病院＞

単位：千円

収入	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
I. 保険者手算										
職員給与	5,922,285	6,674,415	7,522,066	8,477,368	9,553,994	10,767,351	12,134,804	13,675,924	15,412,767	17,370,188
運営経費	2,587,537	3,088,317	3,709,925	4,442,264	5,319,167	6,369,170	7,626,444	9,131,965	10,934,542	13,093,021
小計	8,509,822	9,762,732	11,231,990	12,919,632	14,873,160	17,136,521	19,761,248	22,807,889	26,347,309	30,463,209
II. 病院診療収入										
外来診療費	18,250	21,171	24,545	28,457	32,992	38,250	39,245	40,265	41,312	42,386
入院費	10,084	13,036	16,852	21,785	22,352	22,983	23,529	24,141	24,769	25,413
小処置・小手術	315,495	485,527	747,257	1,150,028	1,179,929	1,210,607	1,242,082	1,274,377	1,307,510	1,341,506
大手術	41,091	75,044	137,052	250,295	256,803	253,479	270,330	277,358	294,570	291,969
放射線検査	-950	1,734	3,167	5,785	5,935	6,089	6,248	6,410	6,577	6,748
5%-50%患者増加	20,315	31,264	48,116	74,051	75,978	77,951	79,978	82,057	84,191	86,380
10%-50%患者増加	1,500	1,939	2,507	3,241	3,325	3,411	3,500	3,591	3,685	3,780
20%-50%患者増加	407,695	629,735	979,495	1,533,641	1,577,311	1,622,721	1,669,912	1,708,200	1,752,613	1,798,151
小計	1,338,135	1,538,856	1,769,684	2,035,137	2,340,407	2,691,468	3,056,188	3,559,467	4,092,387	4,707,395
III. 外国旅行補助	10,255,652	11,941,323	13,981,159	16,488,409	18,790,878	21,450,711	24,521,349	28,075,496	32,192,309	36,968,785
収入合計										
支出										
I. 職員給与										
保険者所属職員	5,812,989	6,551,239	7,383,246	8,320,919	9,377,675	10,568,640	11,910,857	13,423,536	15,128,325	17,049,623
病院所属職員	109,295	123,176	138,819	156,449	176,318	198,711	223,947	252,388	284,441	320,566
小計	5,922,285	6,674,415	7,522,066	8,477,368	9,553,994	10,767,351	12,134,804	13,675,924	15,412,767	17,370,188
II. 事務関連経費										
診療券発行	0	0	0	0	0	0	0	0	0	0
出張旅費等	69,000	79,350	91,253	104,940	120,681	138,784	159,601	183,541	211,073	242,793
海外旅費	0	0	0	0	0	0	0	0	0	0
旅費	112,966	115,903	118,916	122,008	125,180	128,435	131,774	135,200	138,716	142,322
広報費	251,370	257,906	264,011	271,491	278,550	285,792	293,223	300,847	308,669	316,694
社会活動費	10,260	10,527	11,000	11,081	11,369	11,665	11,968	12,279	12,599	12,926
通信費	82,080	84,214	86,404	88,650	90,955	93,320	95,746	98,236	100,790	103,410
院内清掃費	348,840	357,910	367,215	376,763	386,559	396,609	406,921	417,501	428,356	439,494
その他	335,912	344,646	353,807	363,801	374,234	385,192	396,841	408,229	420,482	433,206
小計	1,210,428	1,250,455	1,292,806	1,337,735	1,385,528	1,436,517	1,491,075	1,549,634	1,612,683	1,680,786
III. 運営経費										
給食材料費	1,918,896	2,263,752	2,671,001	3,151,514	3,718,471	4,387,424	5,176,722	6,108,014	7,206,846	8,503,358
燃料費	246,240	252,642	259,211	265,950	272,865	279,960	287,239	294,707	302,369	310,231
水代	0	0	0	0	0	0	0	0	0	0
光熱費	256,500	263,169	270,011	277,032	284,235	291,625	299,207	306,986	314,968	323,157
試薬購入費	15,390	15,790	16,201	16,622	17,054	17,497	17,952	18,419	18,898	19,389
医療ガス購入費	0	0	0	0	0	0	0	0	0	0
患者移送費	102,600	105,268	108,005	110,813	113,694	116,650	119,683	122,794	125,987	129,263
資材搬送費	0	0	0	0	0	0	0	0	0	0
その他	71,820	73,687	75,603	77,569	79,586	81,655	83,778	85,956	88,191	90,484
小計	2,611,146	2,974,308	3,400,032	3,899,500	4,485,905	5,174,811	5,984,581	6,936,877	8,057,259	9,375,882
IV. 雑管理費										
加齢維持管理	256,500	263,169	270,011	277,032	284,235	291,625	299,207	306,986	314,968	323,157
車両維持管理	487,350	500,021	513,022	526,360	540,046	554,037	568,493	583,474	598,939	613,998
医療器材維持管理	235,980	278,433	323,823	387,624	457,958	539,636	636,717	751,262	886,414	1,045,880
本計画機材維持管理	1,770,911	1,816,955	1,864,196	1,912,665	1,962,394	2,013,416	2,065,765	2,119,475	2,174,581	2,231,120
その他	0	0	0	0	0	0	0	0	0	0
小計	2,750,741	2,858,578	2,975,751	3,103,881	3,244,032	3,398,764	3,570,182	3,760,997	3,974,402	4,214,156
支出合計	12,494,600	13,757,756	15,190,655	16,818,283	18,669,458	20,777,442	23,130,942	25,923,433	29,057,112	32,641,012
収入-支出	-2,238,949	-1,816,433	-1,209,486	-829,874	-121,420	673,269	1,340,708	2,152,063	3,136,197	4,327,773
減価償却を考慮した 繰上りの取支	-4,360,839	-3,968,323	-3,361,376	-2,481,764	-2,030,470	-1,478,621	-811,182	173	984,307	2,175,883

財務分析/ケース②
＜ナンプラ中央病院＞

単位：千MT

取入	科目	係数	年度									
			1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
I. 保健手当て	職員給与		3,483,697	3,926,126	4,424,744	4,986,687	5,619,966	6,333,736	7,138,120	8,044,661	9,066,333	10,217,757
	運営費		2,992,500	3,582,023	4,287,681	5,192,354	6,143,428	7,353,683	8,802,859	10,536,423	12,612,096	15,096,682
	小計		6,476,197	7,508,149	8,712,425	10,179,041	11,763,394	13,687,419	15,940,979	18,581,084	21,678,432	25,314,440
II. 病院診療収入	外来診療収入	25%-30%	20,951	28,782	39,542	54,323	74,629	102,527	140,853	193,506	265,841	365,216
	特別診療収入	100%	8,454	9,934	9,462	9,978	11,149	11,776	11,776	12,444	13,151	13,897
	特別入院費	100%	10,568	11,168	11,802	12,475	13,180	13,939	14,719	15,555	16,438	17,372
	入院費	25%-30%	15,913	21,869	30,044	41,275	56,704	77,900	107,020	147,026	201,987	277,492
	内視鏡検査	20%-30%	8,500	12,127	17,300	24,682	35,212	50,235	71,669	102,246	145,870	208,106
	リハビリテーション	20%-30%	900	1,832	2,613	3,728	5,319	7,588	10,826	15,445	22,035	32,035
	小計		65,291	84,164	109,961	145,342	193,998	261,053	353,625	481,603	658,731	904,117
	III. 外国通貨補助		6,541,488	7,592,313	8,822,386	10,264,383	11,957,422	13,948,472	16,294,104	19,062,688	22,337,163	26,218,557
	取入合計		13,083,076	15,184,676	17,544,812	20,443,424	23,724,816	27,635,891	32,235,083	37,643,855	44,018,626	51,533,002
	支出	職員給与		3,483,697	3,926,126	4,424,744	4,986,687	5,619,966	6,333,736	7,138,120	8,044,661	9,066,333
保健手当て			3,483,697	3,926,126	4,424,744	4,986,687	5,619,966	6,333,736	7,138,120	8,044,661	9,066,333	10,217,757
小計			6,967,394	7,852,252	8,849,488	9,973,374	11,239,932	12,667,472	14,276,240	16,089,322	18,132,666	20,435,514
事務用品等購入費			99,640	117,565	138,715	162,670	198,115	227,856	268,847	317,213	374,280	441,613
事務用品等購入費			7,828	8,082	8,241	8,455	8,675	8,900	9,132	9,369	9,613	9,863
印刷費			5,540	5,684	5,832	5,984	6,139	6,299	6,463	6,631	6,803	6,990
事務用品等購入費			58,006	59,514	61,061	62,649	64,278	65,949	67,664	69,423	71,228	73,080
事務用品等購入費			16,713	17,147	17,593	18,050	18,530	19,001	19,495	20,002	20,522	21,066
事務用品等購入費			21,787	22,354	22,935	23,531	24,143	24,771	25,415	26,075	26,753	27,449
小計			209,515	230,297	254,378	282,340	314,869	352,776	397,016	448,714	509,199	580,940
III. 運営費		2,992,500	3,582,023	4,287,681	5,192,354	6,143,428	7,353,683	8,802,859	10,536,423	12,612,096	15,096,682	
給食材料費		976,957	1,152,712	1,360,085	1,604,764	1,893,461	2,234,095	2,636,008	3,110,226	3,669,756	4,329,945	
院内清掃費		69,638	71,448	73,306	75,212	77,167	79,174	81,232	83,344	85,511	87,735	
燃料費		96,193	98,694	101,260	103,892	106,594	109,365	112,209	115,126	118,119	121,190	
燃料費		17,852	18,317	18,793	19,281	19,783	20,297	20,825	21,366	21,922	22,492	
燃料費		79,985	82,065	84,198	86,387	88,633	90,938	93,302	95,728	98,217	100,771	
燃料費		182,466	187,210	192,077	197,071	202,195	207,462	212,846	218,330	224,058	229,884	
燃料費		452,442	464,206	476,275	488,658	501,364	514,399	527,773	541,495	555,574	570,019	
燃料費		666,859	684,147	701,986	720,228	738,964	758,177	777,890	798,115	818,866	840,157	
小計		2,542,392	2,758,848	3,007,980	3,295,505	3,628,161	4,013,897	4,462,085	4,983,781	5,592,023	6,302,191	
IV. 雑費管理		61,970	63,582	65,235	66,931	68,671	70,457	72,288	74,168	76,096	78,075	
施設維持管理		221,649	227,412	233,324	239,391	245,615	252,001	258,553	265,275	272,173	279,249	
設備維持管理		33,405	34,912	36,412	37,912	39,412	40,912	42,412	43,912	45,412	46,912	
医療機材維持管理		742,491	833,865	941,944	1,069,226	1,216,611	1,384,103	1,571,695	1,779,387	1,997,079	2,234,771	
小計		1,084,515	1,213,770	1,361,812	1,531,446	1,726,103	1,949,432	2,205,856	2,500,422	2,838,953	3,228,171	
支出合計		7,320,119	8,159,041	9,048,913	10,096,026	11,289,130	12,649,841	14,203,077	15,977,578	18,006,509	20,328,190	
取入-支出		-778,831	-598,728	-226,929	168,337	608,292	1,298,531	2,091,027	3,085,110	4,330,654	5,890,397	
減価償却を考慮した 現金の収支		-2,090,260	-1,848,357	-1,536,158	-1,163,272	-643,237	-12,498	779,398	1,773,481	3,019,025	4,578,768	

マプト中央病院/計画医療機材維持管理費用

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	ケース4数量	ケース4合計
輸液ポンプ	輸液セット(50本/箱)	1,250,000	5.00	6,250,000	15	93,750,000
血圧計	カフチューブ付	300,000	0.50	150,000	30	4,500,000
診断器セット、ハロゲン	ハロゲンランプ	120,000	1.00	120,000	12	1,440,000
高圧蒸気滅菌器	蒸パッキン	105,000	0.50	52,500	2	105,000
	パイプヒーター	1,090,000	0.50	545,000	2	1,090,000
	サーモスタット	280,000	0.50	140,000	2	280,000
レントゲンTV式透視撮影装置、遠隔式	フィルム (100枚入)	3,170,000	125.00	396,250,000	1	396,250,000
	高圧発生器用パーツ	48,600,000	0.30	14,580,000	1	14,580,000
	テーブル用パーツ	23,052,000	0.30	6,915,600	1	6,915,600
	X線管床用パーツ	85,000,000	0.30	25,500,000	1	25,500,000
レントゲンTV装置、Cアーム型、可動式	フィルム (100枚入)	3,170,000	11.00	34,870,000	1	34,870,000
	ハンドルロック	284,000	2.00	568,000	1	568,000
	ヒューズ	200,000	1.00	200,000	1	200,000
レントゲン撮影装置、可動式	フィルム	3,170,000	26.00	82,420,000	3	247,260,000
	X線管球	85,000,000	0.30	25,500,000	3	76,500,000
	ヒューズ各種セット	15,000,000	1.00	15,000,000	3	45,000,000
	コントロールパネル	15,000,000	0.30	4,500,000	3	13,500,000
顕微鏡	イメージングオイル (50CC)	200,000	1.00	200,000	1	200,000
	タンガスランプ (12V100W)	70,000	1.00	70,000	1	70,000
内視鏡	潤滑オイル	32,000	2.00	64,000	3	192,000
	マウスピース	72,000	1.00	72,000	3	216,000
	鉗子栓	355,000	1.00	355,000	3	1,065,000
	鉗子	1,608,000	0.50	804,000	3	2,412,000
	ブラシ	1,822,000	0.50	911,000	3	2,733,000
	洗浄チューブ	184,000	1.00	184,000	3	552,000
内視鏡用光源	ハロゲンランプ	1,000,000	1.00	1,000,000	2	2,000,000
内視鏡吸引装置	ボトル	1,500,000	1.00	1,500,000	1	1,500,000
内視鏡キャビネット	フィルター	100,000	1.00	100,000	1	100,000
パルスオキシメーター	発光管	700,000	1.00	700,000	2	1,400,000
	記録紙	280,000	25.00	7,000,000	14	98,000,000
	成人用プローブ	4,800,000	0.50	2,400,000	14	33,600,000
	PCB	2,800,000	0.50	1,400,000	14	19,600,000
超音波ブライザー	バクテリアフィルター	220,000	2.00	440,000	4	1,760,000
	マウスピース (20pcs)	380,000	1.00	380,000	4	1,520,000
	マスク大人用 (2pcs)	80,000	6.00	480,000	4	1,920,000
	ダイヤフラム (10pcs)	220,000	1.00	220,000	4	880,000
	経腹管	120,000	1.00	120,000	4	480,000
	薬液カップ	400,000	1.00	400,000	4	1,600,000
	振動子	750,000	1.00	750,000	4	3,000,000
人工呼吸器	バクテリアフィルター (5枚入)	1,600,000	3.00	4,800,000	6	28,800,000
	ドレインタンク	190,000	1.00	190,000	6	1,140,000
	加湿器	190,000	1.00	190,000	6	1,140,000
	患者回路	710,000	1.00	710,000	6	4,260,000
	Y. E. アダプター	170,000	1.00	170,000	6	1,020,000
	マスク	1,150,000	1.00	1,150,000	6	6,900,000
	蛇管	1,270,000	1.00	1,270,000	6	7,620,000
	ボトル	670,000	1.00	670,000	6	4,020,000
蘇生器	テストバック	200,000	1.00	200,000	4	800,000
	マスク (大)	250,000	1.00	250,000	4	1,000,000
	マスク (小)	200,000	1.00	200,000	4	800,000
	吸引器	600,000	1.00	600,000	4	2,400,000
	カテーテル	70,000	1.00	70,000	4	280,000
	加湿ピル	200,000	1.00	200,000	4	800,000
ベッドサイドモニター	電極ディスプレイ (250pcs/箱)	1,500,000	5.00	7,500,000	20	150,000,000
	電極リード	600,000	1.00	600,000	20	12,000,000
	PCB	2,500,000	0.50	1,250,000	20	25,000,000
救急車	ガソリン	6,000	7800.00	46,800,000	4	187,200,000
全身麻酔器	ドームキャップ (2pcs/箱)	160,000	1.00	160,000	3	480,000
	バルブディスク (2pcs/箱)	40,000	1.00	40,000	3	120,000
	ガスケット (2pcs/箱)	20,000	1.00	20,000	3	60,000
	炭酸ガス (4.5kg)	3,750,000	5.00	18,750,000	3	56,250,000
	マスクセット	2,250,000	2.00	4,500,000	3	13,500,000
	呼吸バッグ	330,000	1.00	330,000	3	990,000
	蛇管	720,000	1.00	720,000	3	2,160,000
	チューブセット	750,000	1.00	750,000	3	2,250,000
	吸引セット	1,800,000	1.00	1,800,000	3	5,400,000
	回転式エルボークォーター (10pcs/箱)	800,000	1.00	800,000	3	2,400,000
	伸縮蛇管セット (10pcs/箱)	1,000,000	1.00	1,000,000	3	3,000,000

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	ケース4数量	ケース4合計
検査計	電極セット (吸着、頭)	6,500,000	1.00	6,500,000	2	13,000,000
	クリーム (100g)	110,000	1.00	110,000	2	220,000
	記録用インク (黒、400mL)	500,000	2.00	1,000,000	2	2,000,000
	記録用ペン (2PCS/箱)	780,000	1.00	780,000	2	1,560,000
	記録用紙 (300m/roll)	430,000	5.00	2,150,000	2	4,300,000
輸電計	電極セット	12,650,000	1.00	12,650,000	1	12,650,000
	スキントリートメント (135g)	270,000	2.00	540,000	1	540,000
	フェルトチップ (100pcs/箱)	240,000	1.00	240,000	1	240,000
	記録用紙 (10pcs/箱)	850,000	2.00	1,700,000	1	1,700,000
シリンジポンプ	ディスク注射器セット	1,320,000	9.00	11,880,000	2	23,760,000
	ディスク伸張チューブ (50pcs/)	550,000	7.00	3,850,000	2	7,700,000
保育器	マットレス	300,000	1.00	300,000	37	11,100,000
	介護窓用カバー (10pcs/箱)	200,000	1.00	200,000	37	7,400,000
	座位用パッキン	1,000,000	1.00	1,000,000	37	37,000,000
	マイクロフィルタ (5pcs/箱)	1,150,000	1.00	1,150,000	37	42,550,000
光線治療器	アイマスク	1,050,000	1.00	1,050,000	3	3,150,000
	ランプ	100,000	6.00	600,000	3	1,800,000
小計						1,829,568,600
光熱費		220,800,000	1.00	220,800,000	1	220,800,000
医療ガス		1,400,000,000	1.00	1,400,000,000	1	1,400,000,000
合計						3,493,638,600

ベイジ病院/計画医療機材維持管理費用

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	数量	合計 (MT)
輸液ポンプ	輸液セット(50本/箱)	1,250,000	5.00	6,250,000	3	18,750,000
血圧計	カフチューブ付	300,000	0.50	150,000	24	3,600,000
診断器セット、ハロゲン	ハロゲンランプ	120,000	1.00	120,000	25	3,000,000
恒温槽	パイプヒーター	1,200,000	0.50	600,000	1	600,000
	サーモメーター	50,000	0.50	30,000	1	30,000
分光光度計	記録紙	110,000	2.00	220,000	1	220,000
	ランプ(クングステン)	480,000	1.00	480,000	1	480,000
	チューブ(02)	3,500,000	1.00	3,500,000	1	3,500,000
	クオーツセル(2PCS/箱)	2,600,000	1.00	2,600,000	1	2,600,000
自動血球カウンター	ディスプレイカバー(3000pcs/箱)	3,200,000	2.00	6,400,000	1	6,400,000
	記録紙(5roll/箱)	350,000	4.00	1,400,000	1	1,400,000
	採血ピン(1000PCS/箱)	2,200,000	3.00	6,600,000	1	6,600,000
	希釈液(20L)	600,000	2.00	1,200,000	1	1,200,000
	洗浄液(5L)	1,250,000	1.00	1,250,000	1	1,250,000
	溶血液(15mL*3)	600,000	4.00	2,400,000	1	2,400,000
	校正液(3pcs/箱)	1,000,000	5.00	5,000,000	1	5,000,000
	チューブ	20,000	1.00	20,000	1	20,000
	ポンプ	2,320,000	1.00	2,320,000	1	2,320,000
	検出器	2,964,000	1.00	2,964,000	1	2,964,000
電解質分析装置	記録紙(5roll/箱)	350,000	1.00	350,000	1	350,000
	試薬セット	55,040,000	1.00	55,040,000	1	55,040,000
	電極セット	9,000,000	1.00	9,000,000	1	9,000,000
	チューブセット	165,000	1.00	165,000	1	165,000
遠心分離器	カーボンブラシ(2pcs/箱)	520,000	0.50	260,000	2	520,000
顕微鏡	イマージョンオイル(50CC)	200,000	1.00	200,000	2	400,000
	クングステンランプ(12V100W)	70,000	1.00	70,000	2	140,000
蒸留水製造装置	活性炭フィルター	550,000	6.00	3,300,000	2	6,600,000
	ヒーター	1,200,000	1.00	1,200,000	2	2,400,000
細菌培養器	ヒーター	2,500,000	1.00	2,500,000	1	2,500,000
	ドアパッキン	1,000,000	0.50	500,000	1	500,000
	PCB	6,000,000	0.50	3,000,000	1	3,000,000
内視鏡	潤滑オイル	32,000	2.00	64,000	3	192,000
	マウスピース	72,000	1.00	72,000	3	216,000
	鉗子袋	355,000	1.00	355,000	3	1,065,000
	鉗子	1,608,000	0.50	804,000	3	2,412,000
	ブラシ	1,822,000	0.50	911,000	3	2,733,000
	洗浄チューブ	184,000	1.00	184,000	3	552,000
内視鏡吸引装置	ボトル	1,500,000	1.00	1,500,000	2	3,000,000
	フィルター	100,000	1.00	100,000	2	200,000
内視鏡キャビネット	照明灯	700,000	1.00	700,000	2	1,400,000
パルスオキシメーター	記録紙	280,000	15.00	4,200,000	2	8,400,000
	成人用プローブ	4,800,000	0.50	2,400,000	2	4,800,000
超音波診断装置	ジェル(300g)	240,000	20.00	4,800,000	1	4,800,000
超音波ネプライザー	バクテリアフィルター	220,000	2.00	440,000	3	1,320,000
	マウスピース(20pcs)	380,000	1.00	380,000	3	1,140,000
	マスク大人用(2pcs)	80,000	2.00	160,000	3	480,000
	グアイヤラム(10pcs)	220,000	1.00	220,000	3	660,000
	乾膜管	120,000	0.50	60,000	3	180,000
	重液カップ	400,000	1.00	400,000	3	1,200,000
	振動子	750,000	1.00	750,000	3	2,250,000
	PCB	270,600	0.50	135,300	3	405,900
人工呼吸器	バクテリアフィルター(5枚入)	1,600,000	2.00	3,200,000	6	19,200,000
	ドレインタンク	190,000	1.00	190,000	6	1,140,000
	加湿器	190,000	1.00	190,000	6	1,140,000
	患者回路	710,000	1.00	710,000	6	4,260,000
	Y.E.アダプター	170,000	1.00	170,000	6	1,020,000
	マスク	1,150,000	1.00	1,150,000	6	6,900,000
	乾管	1,270,000	1.00	1,270,000	6	7,620,000
	ボトル	670,000	1.00	670,000	6	4,020,000
	PCB	8,250,600	0.30	2,475,180	6	14,851,080
蘇生器	テストバック	200,000	1.00	200,000	2	400,000
	マスク(大)	250,000	1.00	250,000	2	500,000
	マスク(小)	200,000	1.00	200,000	2	400,000
	吸引器	600,000	1.00	600,000	2	1,200,000
	カテーテル	70,000	1.00	70,000	2	140,000
	加湿ピル	200,000	1.00	200,000	2	400,000
蘇生セット、手動式	マスク大(チューブ付)	450,000	1.00	450,000	2	900,000
	マスク小(チューブ付)	450,000	1.00	450,000	2	900,000
	カップ	200,000	0.50	100,000	2	200,000

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	ケース4数量	ケース4合計
ベッドサイドモニター	電極ディスプレイ (250pcs/箱)	1,500,000	3.00	7,500,000	10	75,000,000
	電極リード	600,000	1.00	600,000	10	6,000,000
	PCB	2,000,000	0.50	1,000,000	10	10,000,000
乾熱滅菌器	蓋パッキン	1,500,000	0.50	750,000	1	750,000
	ヒーター	1,500,000	0.50	750,000	1	750,000
救急車	ガソリン	6,000	7800.00	46,800,000	1	46,800,000
全身麻酔器	ドームキャップ (2pcs/箱)	160,000	1.00	160,000	1	160,000
	バルブディスク (2pcs/箱)	40,000	1.00	40,000	1	40,000
	ガasket (2pcs/箱)	20,000	1.00	20,000	1	20,000
	マスクセット	2,250,000	2.00	4,500,000	1	4,500,000
	呼吸バッグ	330,000	1.00	330,000	1	330,000
	蛇管	720,000	1.00	720,000	1	720,000
	チューブセット	750,000	1.00	750,000	1	750,000
	吸引セット	1,200,000	1.00	1,200,000	1	1,200,000
	回転式エルボークォーター (10pcs/箱)	800,000	1.00	800,000	1	800,000
	伸縮蛇管セット (10pcs/箱)	1,000,000	1.00	1,000,000	1	1,000,000
手術用无影灯、可動式	ハログンランプ	270,000	1.00	270,000	6	1,620,000
	電極セット	720,000	0.50	360,000	1	360,000
電気メス	鉛板 (5pcs/箱)	1,100,000	1.00	1,100,000	1	1,100,000
	鉛板用コート	1,500,000	1.00	1,500,000	1	1,500,000
	三電極チャッカハンドル	2,000,000	0.50	1,000,000	1	1,000,000
	電極専用チャッカハンドル	650,000	0.50	325,000	1	325,000
	双極性止血鑷子	1,900,000	1.00	1,900,000	1	1,900,000
	双極性止血鑷子用差し換コート	750,000	1.00	750,000	1	750,000
	紫外線、長波短波管	6,300,000	1.00	6,300,000	1	6,300,000
	シリンジポンプ	1,320,000	3.00	3,960,000	3	11,880,000
保育器	ディスプレイ注射器セット	550,000	3.00	1,650,000	3	4,950,000
	ディスプレイ伸張チューブ (50pcs/箱)	300,000	1.00	300,000	7	2,100,000
	マットレス	200,000	1.00	200,000	7	1,400,000
	介護窓用カバー (10pcs/箱)	1,000,000	1.00	1,000,000	7	7,000,000
	座位用パッキン	1,150,000	1.00	1,150,000	7	8,050,000
光線治療器	マイクروفイルター (5pcs/箱)	1,050,000	1.00	1,050,000	3	3,150,000
	アイマスク	100,000	6.00	600,000	3	1,800,000
血液凝固検査装置	試薬セット	30,000,000	1.00	30,000,000	1	30,000,000
小計						479,550,980
光熱費		320,000,000	1.00	320,000,000	1	320,000,000
医療ガス		950,000,000	1.00	950,000,000	1	950,000,000
合計						1,749,550,980

ナンプラ中央病院/計画医療機材維持管理費用

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	ケース4数量	ケース4合計
血圧計	カフチューブ付	300,000	0.50	150,000	20	3,000,000
	ハロゲンランプ	120,000	1.00	120,000	7	840,000
診断器セット、ハロゲン	蒸気滅菌器	105,000	0.50	52,500	4	210,000
	パイプヒーター	1,090,000	0.50	545,000	4	2,180,000
	サーモスタット	280,000	0.50	140,000	4	560,000
レントゲンTV式透視撮影装置、遠隔式	フィルム (100枚入)	3,170,000	50.00	158,500,000	1	158,500,000
	テーブル用パーツ	23,052,000	0.30	6,915,600	1	6,915,600
	X線管球用パーツ	85,000,000	0.30	25,500,000	1	25,500,000
レントゲン撮影装置、可動式	フィルム	3,170,000	10.00	31,700,000	1	31,700,000
	X線管球	85,000,000	0.30	25,500,000	1	25,500,000
	ヒューズ各種セット	15,000,000	1.00	15,000,000	1	15,000,000
	コントロールパネル	15,000,000	0.30	4,500,000	1	4,500,000
分光光度計	記録紙	110,000	2.00	220,000	2	440,000
	ランプ (クングステン)	480,000	1.00	480,000	2	960,000
	チューブ (D2)	3,500,000	1.00	3,500,000	2	7,000,000
電解質分析装置	クオーツセル (2PCS/箱)	2,600,000	1.00	2,600,000	2	5,200,000
	記録紙 (5roll/箱)	350,000	1.00	350,000	1	350,000
	試薬セット	55,040,000	1.00	55,040,000	1	55,040,000
	電極セット	9,000,000	1.00	9,000,000	1	9,000,000
遠心分離器	チューブセット	165,000	1.00	165,000	1	165,000
	カーボンブラシ (2pcs/箱)	520,000	0.50	260,000	2	520,000
顕微鏡	イメージングオイル (50CC)	200,000	1.00	200,000	1	200,000
	クングステンランプ (12V100W)	70,000	1.00	70,000	1	70,000
内視鏡	潤滑オイル	32,000	2.00	64,000	3	192,000
	マウスピース	72,000	1.00	72,000	1	72,000
	鉗子径	355,000	1.00	355,000	1	355,000
	鉗子	1,608,000	0.50	804,000	1	804,000
	ブラシ	1,822,000	0.50	911,000	1	911,000
	洗浄チューブ	184,000	1.00	184,000	1	184,000
	ハロゲンランプ	1,000,000	1.00	1,000,000	1	1,000,000
内視鏡用光源	内視鏡吸引装置	1,500,000	1.00	1,500,000	1	1,500,000
	フィルター	100,000	1.00	100,000	1	100,000
内視鏡キャビネット	殺菌灯	700,000	1.00	700,000	1	700,000
	パルスオキシメーター	記録紙	250,000	15.00	4,200,000	2
心電計	成人用グローブ	4,800,000	0.50	2,400,000	2	4,800,000
	ジェル (100g*2)	110,000	20.00	2,200,000	3	6,600,000
	記録紙 (30m/roll, 10roll/箱)	520,000	2.00	1,040,000	3	3,120,000
	電極セット (吸着, 四肢)	2,281,000	1.00	2,281,000	3	6,843,000
	超音波ネブライザー	バクテリアフィルター	220,000	2.00	440,000	4
人工呼吸器	マウスピース (20pcs)	380,000	1.00	380,000	4	1,520,000
	マスク大人用 (2pcs)	80,000	2.00	160,000	4	640,000
	ダイヤフラム (10pcs)	220,000	1.00	220,000	4	880,000
	乾吸管	120,000	0.50	60,000	4	240,000
	薬液カップ	400,000	1.00	400,000	4	1,600,000
	振動子	750,000	1.00	750,000	4	3,000,000
	PCB	270,600	0.50	135,300	4	541,200
	バクテリアフィルター (5枚入)	1,600,000	2.00	3,200,000	5	16,000,000
	ドレインタンク	190,000	1.00	190,000	5	950,000
	加湿器	190,000	1.00	190,000	5	950,000
麻生器	患者回路	710,000	1.00	710,000	5	3,550,000
	Y. L.アダプター	170,000	1.00	170,000	5	850,000
	マスク	1,150,000	1.00	1,150,000	5	5,750,000
	蛇管	1,270,000	1.00	1,270,000	5	6,350,000
	ボトル	670,000	1.00	670,000	5	3,350,000
	PCB	8,250,600	0.30	2,475,180	5	12,375,900
	テストバック	200,000	1.00	200,000	3	600,000
	マスク (大)	250,000	1.00	250,000	3	750,000
	マスク (小)	200,000	1.00	200,000	3	600,000
	吸引器	600,000	1.00	600,000	3	1,800,000
	カテーテル	70,000	1.00	70,000	3	210,000
	加湿ビル	200,000	1.00	200,000	3	600,000
麻生セット、手動式	マスク大 (チューブ付)	450,000	1.00	450,000	6	2,700,000
	マスク小 (チューブ付)	450,000	1.00	450,000	6	2,700,000
ベッドサイドモニター	カップ	200,000	0.50	100,000	6	600,000
	電極ディスプレイ (250pcs/箱)	1,500,000	3.00	7,500,000	4	30,000,000
	電極リード	600,000	1.00	600,000	4	2,400,000
	PCB	2,000,000	0.50	1,000,000	4	4,000,000

機材名	消耗品・交換部品	単価 (MT)	使用量	費用/年/MT	ケース4数量	ケース4合計
乾熱滅菌器	蓋パッキン	1,500,000	0.50	750,000	2	1,500,000
	ヒーター	1,500,000	0.50	750,000	2	1,500,000
全身麻酔器	ドームキャップ (2pcs/箱)	160,000	1.00	160,000	1	160,000
	バルブディスク (2pcs/箱)	40,000	1.00	40,000	1	40,000
	ガスケット (2pcs/箱)	20,000	1.00	20,000	1	20,000
	マスクセット	2,250,000	2.00	4,500,000	1	4,500,000
	呼吸バッグ	330,000	1.00	330,000	1	330,000
	蛇管	720,000	1.00	720,000	1	720,000
	チューブセット	750,000	1.00	750,000	1	750,000
	吸引セット	1,200,000	1.00	1,200,000	1	1,200,000
	回転式エルボークォーナ (10pcs/箱)	800,000	1.00	800,000	1	800,000
	伸縮蛇管セット (10pcs/箱)	1,000,000	1.00	1,000,000	1	1,000,000
手術用无影灯、可動式電気メス	ハロゲンランプ	270,000	1.00	270,000	5	1,350,000
	電極セット	720,000	0.50	360,000	1	360,000
シンジポンプ	鉛板 (5pcs/箱)	1,100,000	1.00	1,100,000	1	1,100,000
	給液コード	1,500,000	1.00	1,500,000	1	1,500,000
	三電極チャッカハンドル	2,000,000	0.50	1,000,000	1	1,000,000
	電極専用チャッカハンドル	650,000	0.50	325,000	1	325,000
	双極性止血鑷子	1,900,000	1.00	1,900,000	1	1,900,000
	双極性止血鑷子用差し換コード	750,000	1.00	750,000	1	750,000
	デイスボ注射器セット	1,320,000	3.00	3,960,000	2	7,920,000
保育器	デイスボ伸張チューブ (50pcs/箱)	550,000	3.00	1,650,000	2	3,300,000
	マットレス	300,000	1.00	300,000	6	1,800,000
	介護窓用カバー (10pcs/箱)	200,000	1.00	200,000	6	1,200,000
	座位用パッキン	1,000,000	1.00	1,000,000	6	6,000,000
光線治療器	マイクロフィルター (5pcs/箱)	1,150,000	1.00	1,150,000	6	6,900,000
	アイマスク	1,050,000	1.00	1,050,000	2	2,100,000
	ランプ	100,000	3.00	300,000	2	600,000
電気泳動装置	セルローズアセテート膜セット	2,000,000	1.00	2,000,000	1	2,000,000
	ブリッジ用濾紙 (100枚/箱)	300,000	1.00	300,000	1	300,000
	緩衝液 (2L)	420,000	1.00	420,000	1	420,000
	緩衝剤 (500mL)	1,200,000	1.00	1,200,000	1	1,200,000
	泳動用染色液 (500mL)	600,000	1.00	600,000	1	600,000
	デカリン	220,000	1.00	220,000	1	220,000
小計						263,558,100
厨房機材燃料費		35,000,000	1.00	35,000,000	1	35,000,000
光熱費		50,000,000	1.00	50,000,000	1	50,000,000
医療ガス		120,000,000	1.00	120,000,000	1	120,000,000
合計						742,498,100

7 水質分析報告書

水質分析報告書

ベイラ中央病院

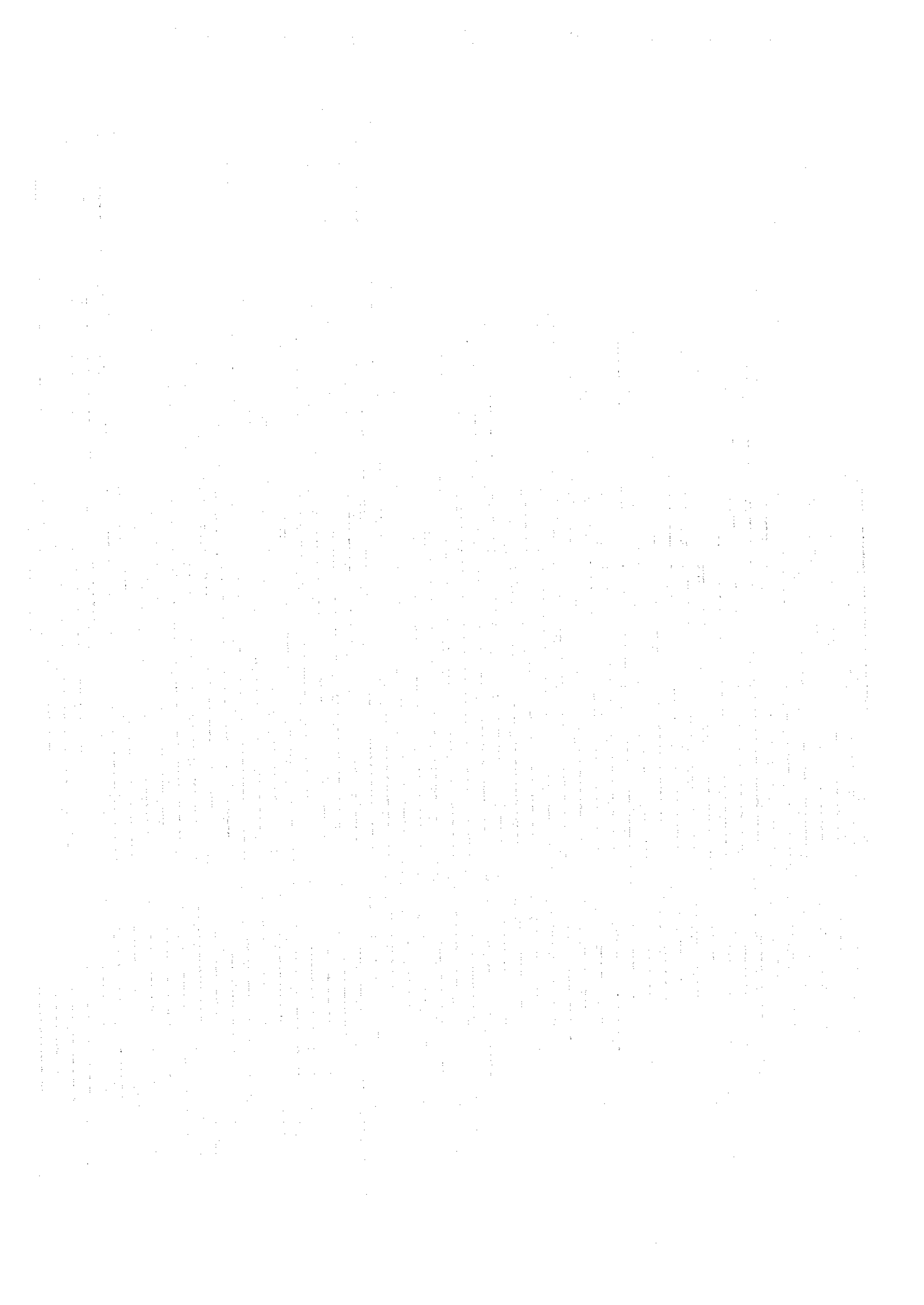
試料番号	202			
試料名称	ラホ水道水			
試料の採取年月日	8.4.26			
外観 色 にごり	無色 なし			
試料の分析年月日	8.5.22			
pH (25°C)	7.4			
電気伝導率 ($\mu\text{S}/\text{cm}$) (25°C)	166.			
透過光濁度 (度)	<1.			
酸消費量(pH8.3) (mgCaCO_3/ℓ)	0.0			
酸消費量(pH4.8) (mgCaCO_3/ℓ)	36.0			
マグネシウム (mgCaCO_3/ℓ)	15.1			
カルシウム (mgCaCO_3/ℓ)	36.1			
全硬度 (mgCaCO_3/ℓ)	51.2			
塩化物イオン (mgCl/ℓ)	13.2			
全鉄 (mgFe/ℓ)	<0.05			
イオン状シリカ (mgSiO_2/ℓ)	12.2			
リン酸イオン (mgPO_4/ℓ)				
硝酸イオン (mgNO_3/ℓ)	<1.			
硫酸イオン (mgSO_4/ℓ)	21.2			
COD _{Mn} (mgO/ℓ)	2.3			
色度 (度)	2.			
マンガン (mgMn/ℓ)				
摘要				

水質分析報告書

ナンプラ中央病院

試料番号	203			
試料名称	キッチン水道水			
試料の採取年月日	8.4.27			
外観 色に ごり	微褐色あり			
試料の分析年月日	8.5.22			
pH (25°C)	7.2			
電気伝導率 ($\mu\text{S}/\text{cm}$) (25°C)	82.9			
透過光濁度 (度)	5.			
酸消費量(pH8.3) ($\text{mg CaCO}_3/\ell$)	0.0			
酸消費量(pH4.8) ($\text{mg CaCO}_3/\ell$)	27.0			
マグネシウム ($\text{mg CaCO}_3/\ell$)	7.1			
カルシウム ($\text{mg CaCO}_3/\ell$)	8.4			
全硬度 ($\text{mg CaCO}_3/\ell$)	15.5			
塩化物イオン ($\text{mg Cl}/\ell$)	8.6			
全鉄 ($\text{mg Fe}/\ell$)	0.83			
イオン状シリカ ($\text{mg SiO}_2/\ell$)	19.2			
リン酸イオン ($\text{mg PO}_4/\ell$)				
硝酸イオン ($\text{mg NO}_3/\ell$)	<1.			
硫酸イオン ($\text{mg SO}_4/\ell$)	<2.			
COD _{Mn} ($\text{mg O}/\ell$)	5.1			
色度 (度)	27.			
マンガン ($\text{mg Mn}/\ell$)				
摘要				

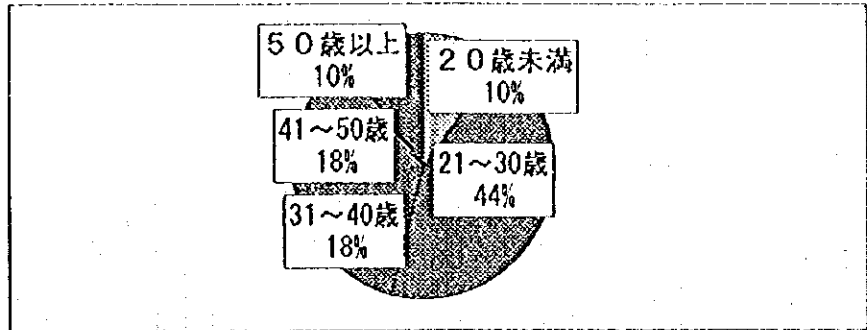
8 患者アンケート結果



患者アンケート結果 (ナンプラ中央病院)

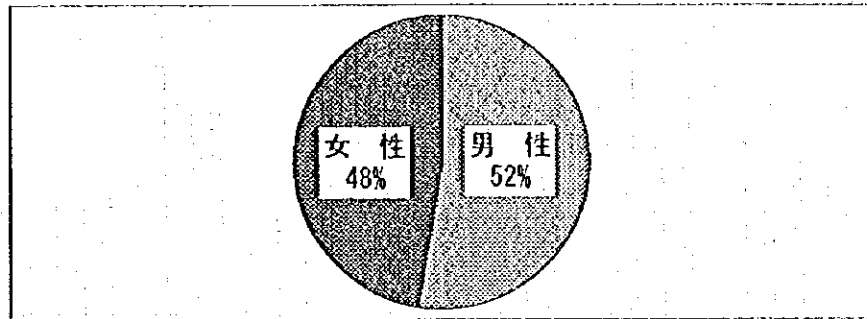
質問1. 年齢

20歳未満	5
21~30歳	22
31~40歳	9
41~50歳	9
50歳以上	5
合計	50



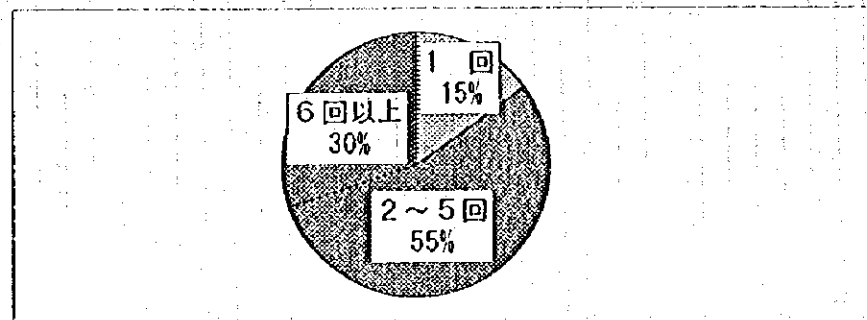
質問2. 性別

男性	21
女性	19
合計	50



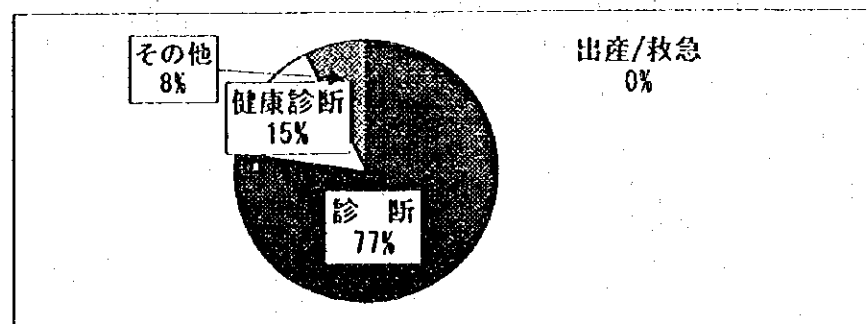
質問3. 1年間に何回病院へ行きますか?

1回	6
2~5回	22
6回以上	12
合計	50



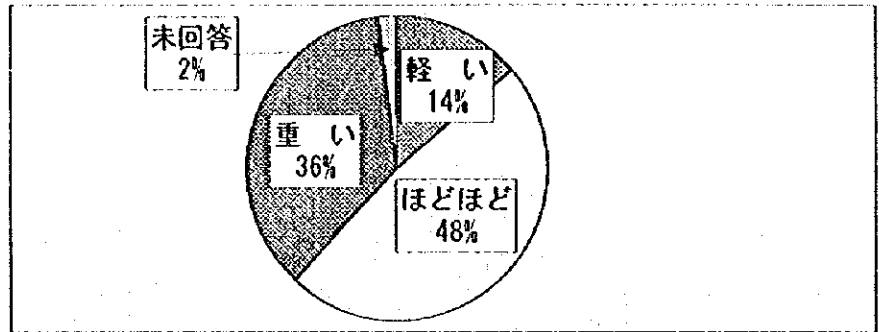
質問4. なぜ病院に来たのですか?

診断	31
出産/救急	0
健康診断	6
その他	3
合計	50



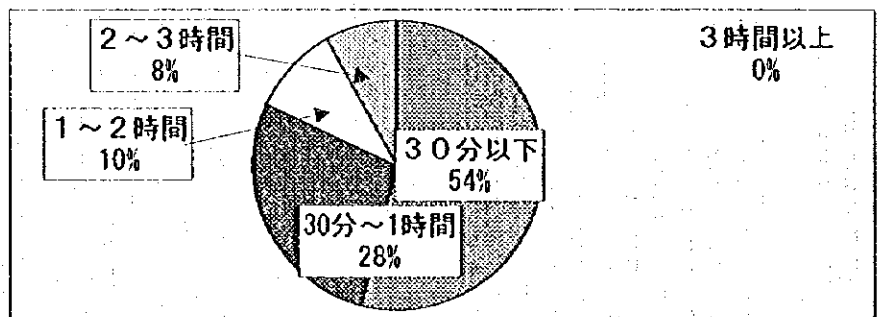
質問5. 病気状況はどうですか？

軽い	7
ほどほど	24
重い	18
未回答	1
合計	50



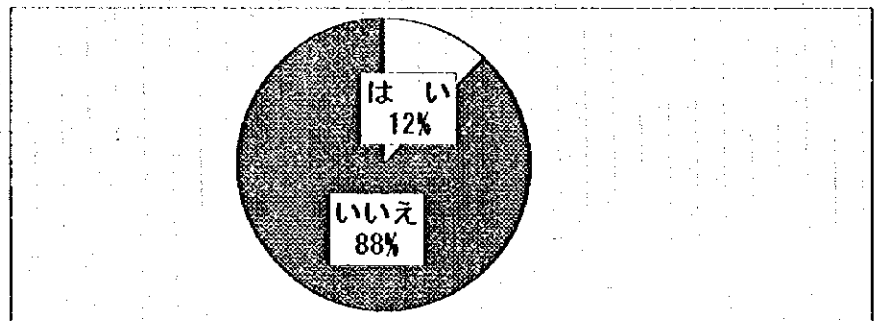
質問6. 来院するのにどれくらいかかりますか？

30分以下	27
30分~1時間	14
1~2時間	5
2~3時間	4
3時間以上	0
合計	50



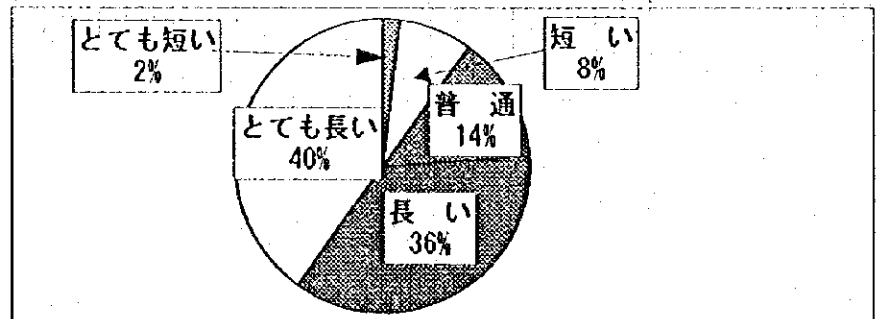
質問7. 紹介でこの病院に来たことがありますか？

はい	6
いいえ	44
合計	50



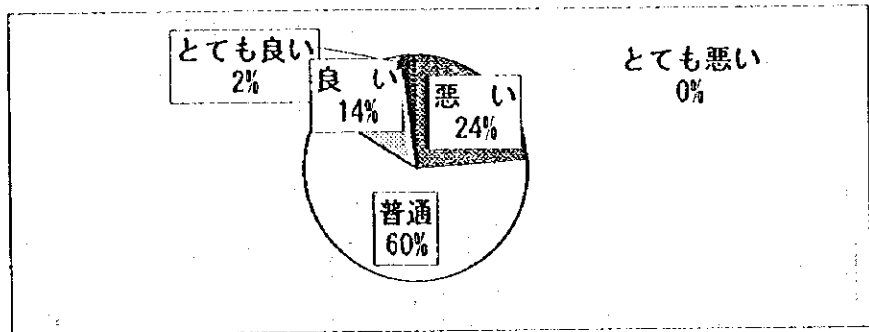
質問8. 診察までの待ち時間はどうですか？

とても短い	1
短い	4
普通	7
長い	18
とても長い	20
合計	50



質問9. 診察の仕方はどうでしたか？

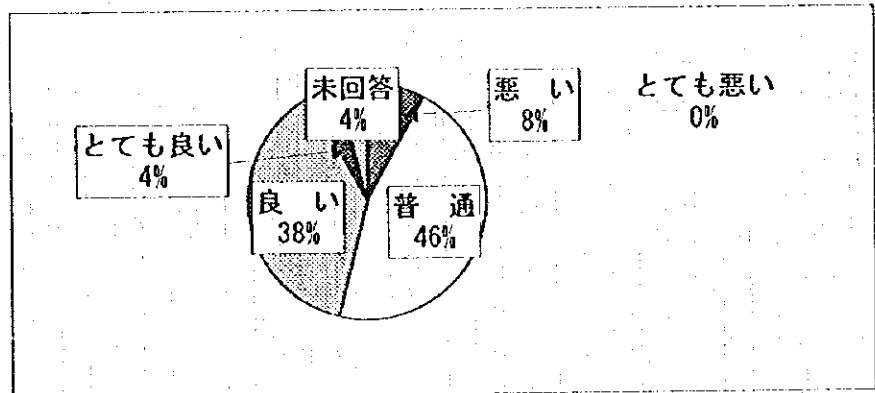
とても悪い	0
悪い	12
普通	30
良い	7
とても良い	1
合計	50



質問10. 医者およびその他のスタッフの対応はどうでしたか？

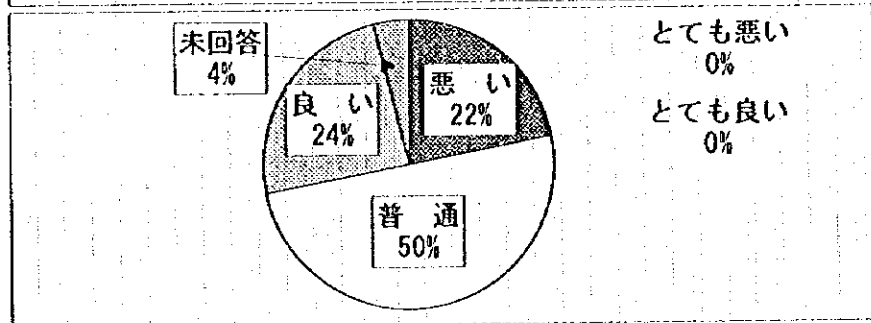
(医者)

とても悪い	0
悪い	4
普通	23
良い	19
とても良い	2
未回答	2
合計	50



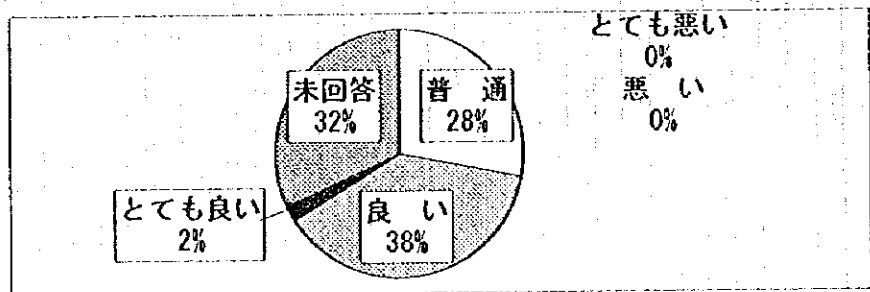
(スタッフ)

とても悪い	0
悪い	11
普通	25
良い	12
とても良い	0
未回答	2
合計	50



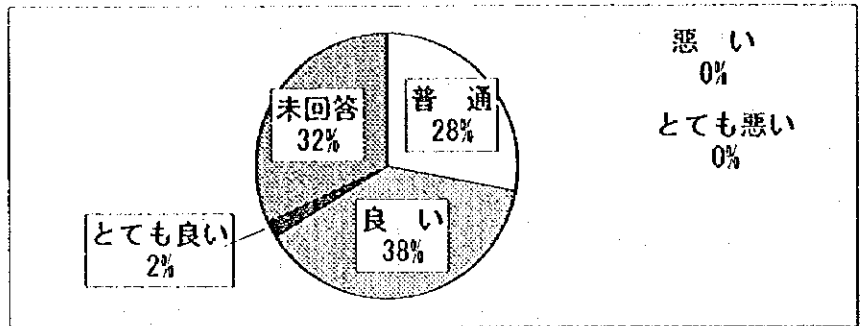
質問11. 検査またはX線検査の仕方はどうでしたか？

とても悪い	0
悪い	1
普通	14
良い	23
とても良い	1
未回答	11
合計	50



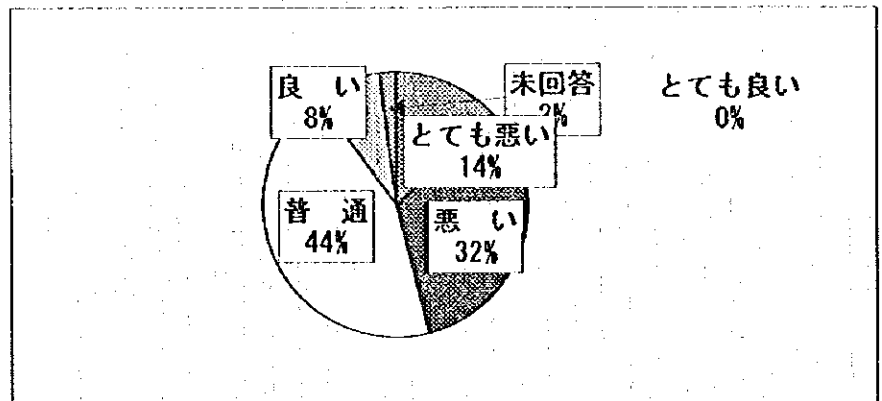
質問12. プライバシーはまもられましたか？

とても悪い	0
悪い	0
普通	14
良い	19
とても良い	1
未回答	16
合計	50



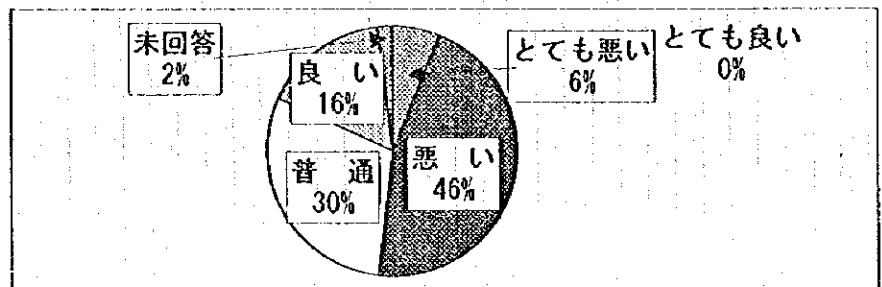
質問13. 病院の清潔さはどうでしたか？

とても悪い	7
悪い	16
普通	22
良い	4
とても良い	0
未回答	1
合計	50



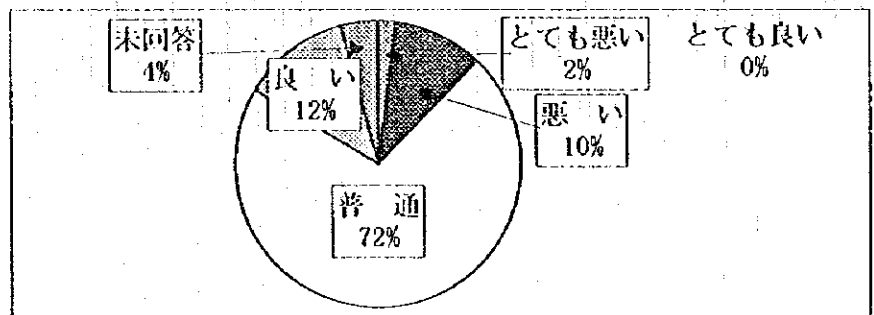
質問14. 病院の外観はどうでしたか？

とても悪い	3
悪い	23
普通	15
良い	8
とても良い	0
未回答	1
合計	50



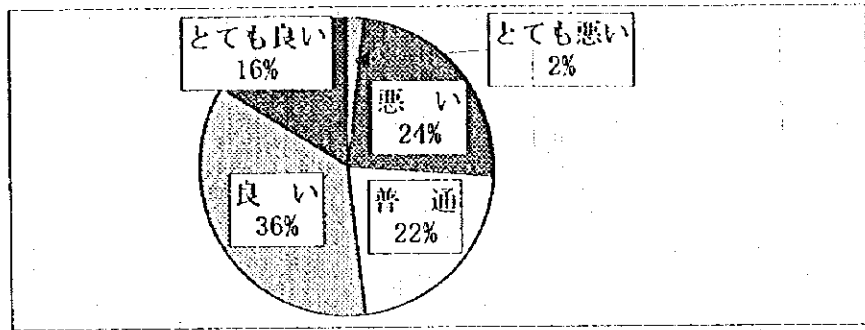
質問15. 全体的な病院の質はどうでしたか？

とても悪い	1
悪い	5
普通	35
良い	6
とても良い	0
未回答	2
合計	50



質問16. 診療費についてどう思いますか？

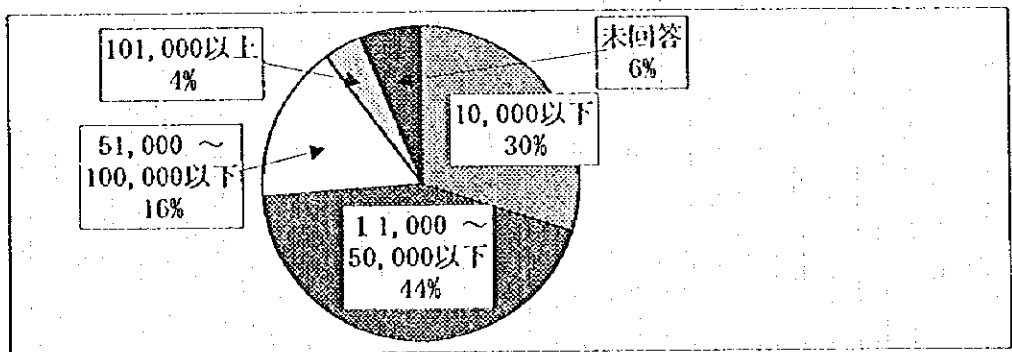
とても悪い	1
悪い	12
普通	11
良い	18
とても良い	8
合計	50



質問17. 今日の診察費はいくらかかりましたか？

(単位:MT)

10,000以下	15
11,000 ~ 50,000以下	22
51,000 ~ 100,000以下	8
101,000以上	2
未回答	3
合計	50



9 ミニッツ

ミニッツ

[基本設計調査]

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

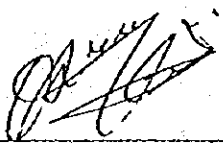
Based on the results of the Preliminary Study, the Japan International Cooperation Agency (JICA) decided to conduct a Basic Design Study on the Project for Improvement of Medical Equipment of the Central Hospitals in the Republic of Mozambique (hereinafter referred to as "the Project").

JICA sent to the Republic of Mozambique a study team, headed by Dr. Osamu Kunii, medical doctor of the Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare (hereinafter referred to as "the Team"), from April 9 to May 12 1996.

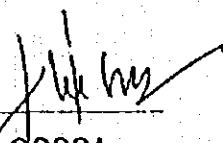
The Team held discussions with the concerned officials of the Government of Mozambique (hereinafter referred to as "the GOM") and conducted field surveys in the study areas.

In the course of 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.

Maputo, April 17 1996



Dr. Osamu KUNII
Leader
Basic Design Study Team
JICA



Dr. Humberto COSSA
National Director of Planning
and Cooperation
Ministry of Health
of the Government of Mozambique

02/9.

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ATTACHMENT

1. Objective

The objective of the Project is to improve medical services, management and administration of three Central Hospitals (hereinafter referred to as "the Hospitals") by means of renewing the obsolete medical equipment.

2. Project Sites

Maputo Central Hospital	(Maputo City)
Beira Central Hospital	(Beira City)
Nampula Central Hospital	(Nampula City)

3. Responsible Organization, Executing Organizations

- (1) Responsible organization : Ministry of Health
- (2) Executing organizations : Maputo Central Hospital
Beira Central Hospital
Nampula Central Hospital

4. Items Requested by the GOM

After discussions with the Team, the equipment in Annex I were finally requested by the GOM. The final components of the Project, however, will be examined according to the 3-graded priorities A, B and C in the equipment list, and will be modified by the Team after further surveys and analysis in Japan.

The 3-graded priorities in the equipment list shall mean as follows.

- A: Appropriate to be procured, but its quantity is examined through further analysis.
- B: Its appropriateness and quantity to be procured is examined through further analysis.
- C: Not appropriate to be procured.

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5. Basic Criteria for Selecting Equipment

The basic criteria for selecting equipment are as follows, and final components of the Project shall be determined on these criteria.

- (1) Necessity for Procurement
- (2) Technical Level of Handling
- (3) Appropriateness of Specifications
- (4) Allocation and Quantity
- (5) Maintenance Capacity
- (6) Maintenance Cost

6. Japan's Grant Aid System

- (1) The GOM has understood the system of Japanese Grant Aid explained by the Team. The details are attached to Annex II.
- (2) The GOM should take necessary measures, described in Annex III for smooth implementation of the Project, on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.

7. Schedule of the Study

- (1) The consultant will proceed with further studies in Mozambique until May 12 1996.
- (2) JICA will prepare the draft report in Portuguese and dispatch a mission in order to explain its contents around July 1996.
- (3) In case that the contents of the report are accepted in principle by the GOM, JICA will complete the final report and send it to the GOM by around October 1996.

8. Other Principal Matters

The Ministry of Health and the Hospitals of the GOM have the responsibility of monitoring effects and so forth of the Project and reporting its results to the Government of Japan and JICA periodically.

Annex I

MAPUTO CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P' TY
A-EMERGENCY, ICU & OPERATION			
MA- 1	DIAGNOSTIC SET	10	A
MA- 2	SPHYGMOMANOMETER	20	A
MA- 3	BEDSIDE MONITOR	28	B
MA- 4	ANESTHESIA MACHINE WITH CO2 GAS MONITOR ATTACHED	3	A
MA- 5	DEFIBRILLATOR(W/CART)	3	A
MA- 6	VENTILATOR (ADULT)	4	A
MA- 7	VENTILATOR (PEDIATRIC)	5	B
MA- 8	RESUSCITATOR (W/O2 CYLINDER)	2	A
MA- 9	INFUSION PUMP	50	B
MA- 10	ICU BED (W/MATTRESS)	30	B
MA- 11	OXYGEN TENT	2	C
MA- 12	OPERATIONAL LIGHT MOBILE (BATTERY)	5	C
MA- 13	BLOOD GAS ANALYZER	2	B
MA- 14	AMBULANCE	4	B
MA- 15	NEBULIZER (ULTRASONIC)	6	C
MA- 16	PATIENT TRANSPORTER	6	C
MA- 17	PULSE OXIMETER	30	B
MA- 18	X-RAY VIEWING BOX - LARGEST	4	A
MA- 19	STRETCHER/TROLLEY	10	A
MA- 20	KICK BUCKET	20	A
MA- 21	EXAMINATION LIGHT MOBILE	20	B
MA- 22	OXYGEN FLOW METERS PLUS HUMIDIFIERS	50	B
B-PEDIATRICS			
MB- 1	DIAGNOSTIC SET	4	A
MB- 2	SPHYGMOMANOMETER(INFANT)	10	A
MB- 3	DEFIBRILLATOR(W/CART)	1	A
MB- 4	INFANT INCUBATOR	50	B
MB- 5	INFANT WARMER	5	C
MB- 6	PHOTOTHERAPY UNIT	3	A
MB- 7	NEONATAL MONITOR	4	B
MB- 8	INFANT VENTILATOR	2	A
MB- 9	INFUSION PUMP	50	C
MB- 10	OXYGEN TENT	2	C
MB- 11	STRETCHER/TROLLEY	10	C
MB- 12	SUCTION UNIT	5	A
MB- 13	HEATERS (OIL TYPE)	10	A
MB- 14	NEBULIZER (ULTRASONIC)	4	A
C-GYNECOLOGY & MATERNITY			
MC- 1	SPHYGMOMANOMETER	15	A
MC- 2	BEDSIDE MONITOR	2	C
MC- 3	DEFIBRILLATOR(W/CART)	1	C
MC- 4	ANESTHETIC MACHINE	1	C
MC- 5	LARYNGOSCOPY SET	2	A
MC- 6	MANUAL RESUSCITATOR SET +O2 GAS CYLINDER	2	A
MC- 7	COLPOSCOPE (W/CAMERA)	1	C
MC- 8	DELIVERY TABLE	2	C
MC- 9	FETAL DOPPLER	5	B
MC- 10	CARDIOTOCOGRAPH	5	B

MAPUTO CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P' TY
MC- 11	PHOTOTHERAPY UNIT	6	B
MC- 12	INFANT WARMER	5	B
MC- 13	INFUSION PUMP	4	B
MC- 14	SYRINGE PUMP	2	B
MC- 15	INFANT BASSINET & MATTRESS	10	A
MC- 16	KICK BUCKET	10	A
MC- 17	EXAMINATION LIGHT MOBILE	2	A
MC- 18	ELECTRO SURGICAL UNIT	1	C
MC- 19	AUTOCLAVE	2	C
MC- 20	TUMBLE DRYER	1	C
MC- 21	SHOWER COMMODE CHAIR	12	C
MC- 22	PH METER	2	B

D-SURGERY & ENDOSCOPIC ROOM

MD- 1	FIBERSCOPE UPPER DIGESTIVE	2	A
MD- 2	LAPAROSCOPE WITH TV CAMERA, MONITOR	1	B
MD- 3	BRONCHOFIBERSCOPE	1	B
MD- 4	RESECTOSCOPE	2	C
MD- 5	CYSTOFIBERSCOPE	2	C
MD- 6	UROLOGY TABLE	3	C
MD- 7	ENDOSCOPIC LIGHT SOURCE	2	A
MD- 8	ENDOSCOPIC CLEANING MACHINE	1	C
MD- 9	ULTRASONIC CLEANER	1	A
MD- 10	ENDOSCOPE TROLLEY	1	A
MD- 11	ENDOSCOPIC CABINET	2	B
MD- 12	ENDOSCOPIC CAMERA SET	1	A
MD- 13	ENDOSCOPIC SUCTION UNIT	1	A
MD- 14	MAINTENANCE UNIT	1	A
MD- 15	CLEANING CONTAINER SET	1	A
MD- 16	COLONOSCOPE	1	B
MD- 17	INSTRUMENT TROLLEY	4	B
MD- 18	SIGMOIDOSCOPE SET	1	C
MD- 19	OPERATING MICROSCOPE	1	A

E-X-RAY DEPARTMENT

ME- 1	DIGITAL - ANGIO X-RAY MACHINE	1	C
ME- 2	REMOTE CONTROLLED R/F SYSTEM	1	A
ME- 3	MR SCANNER MAGNETOM OPEN	1	C
ME- 4	LINEAR ACCELERATOR	1	C
ME- 5	MOBILE C- ARM (INTENSIFIER)	1	B
ME- 6	MOBILE C- ARM (AQUET THEATER TABLE)	1	C
ME- 7	MOBILE X-RAY SYSTEM	3	A
ME- 8	PROTECTIVE GEAR , LEAD APRONS, LEAD GLOVES, MOBILE LEAD SCREEN	8	A

F- OTHERS

MF- 1	WHEEL CHAIR	50	B
MF- 2	ELECTROENCEPHALOGRAPH, 20CH	1	B
MF- 3	ELECTROENCEPHALOGRAPH, 10CH	1	B
MF- 4	ELECTROMYOGRAPH	1	B

NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. Q'TY	P'TY
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A-EMERGENCY & ICU

NA- 1	DIAGNOSTIC SET	6	A
NA- 2	SPHYGMOMANOMETER ANEROID WALL TYPE	10	A
NA- 3	SPHYGMOMANOMETER ANEROID PORTABLE	10	A
NA- 4	ELECTRO CARDIOGRAPH (W/CART)	3	A
NA- 5	BEDSIDE MONITOR	3	B
NA- 6	DEFIBRILLATOR (W/CART)	2	A
NA- 7	VENTILATOR (ADULT)	3	A
NA- 8	PULSE OXIMETER	4	B
NA- 9	STERILIZER SMALL	2	A
NA- 10	LARYNGOSCOPE & BLADES	5	B
NA- 11	MANUAL RESUSCITATOR SET	2	A
NA- 12	INFUSION PUMP	2	B
NA- 13	SYRINGE PUMP	2	B
NA- 14	DRIP STAND	10	A
NA- 15	WHEEL CHAIR	5	A
NA- 16	EXAMINATION TABLE	7	B
NA- 17	ICU. BED (W/MATTRESS)	6	A
NA- 18	BEDSIDE CABINET	6	C
NA- 19	OXYGEN TENT	1	B
NA- 20	NEBULIZER (ULTRASONIC)	4	B
NA- 21	STRETCHER/TROLLEY	10	A
NA- 22	HB METER	2	B
NA- 23	KICK BUCKET	4	A
NA- 24	OPERATING LIGHT MOBILE	2	A
NA- 25	EXAMINATION LIGHT MOBILE	4	A
NA- 26	SUCTION UNIT - ADULT	10	A
NA- 27	STRETCHER HI-LOW	10	C
NA- 28	OXYGEN CONCENTRATOR	2	C
NA- 29	MEDICAL REFRIGERATOR	2	C
NA- 30	AIR CONDITIONING UNIT	4	C

B-PEDIATRICS

NB- 1	DIAGNOSTIC SET	10	A
NB- 2	SPHYGMOMANOMETER (MERCURY)/INFANT	10	A
NB- 3	ELECTRO CARDIOGRAPH	2	A
NB- 4	BEDSIDE MONITOR	2	B
NB- 5	DEFIBRILLATOR - PEDIATRIC	2	B
NB- 6	INFANT INCUBATOR	6	A
NB- 7	INFANT WARMER	5	B
NB- 8	PHOTOTHERAPY UNIT	3	B
NB- 9	NEONATL MONITOR	1	B
NB- 10	INFANT VENTILATOR	3	A
NB- 11	INFUSION PUMP	4	C
NB- 12	SYRINGE PUMP	4	C
NB- 13	EXAMINATION TABLE	4	B
NB- 14	OXYGEN TENT	2	B
NB- 15	EXAMINATION LIGHT MOBILE	2	A
NB- 16	SUCTION UNIT	7	A
NB- 17	SUCTION UNIT - MANUAL	4	A
NB- 18	INSTRUMENT STERILIZER (SMALL)	2	A
NB- 19	SCALE(PEDIATRIC)	4	B
NB- 20	JACKSON REE'S RESUSCITATION SET(PEDIATRIC)	2	A
NB- 21	INFANT BASSINET & MATTRESS	20	B

NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	PTY
NB- 22	MEDICAL REFRIGERATOR	1	A

C-GYNAECOLOGY & MATERNITY

NC- 1	DELIVERY TABLE	4	A
NC- 2	FETAL DOPPLER	2	B
NC- 3	INFANT INCUBATOR	6	A
NC- 4	INFANT WARMER	4	B
NC- 5	PHOTOTHERAPY UNIT	4	B
NC- 6	INFANT BASSINET & MATTRESS	20	C
NC- 7	NEBULIZER (ULTRASONIC)	3	B
NC- 8	EXAMINATION TABLE	2	A
NC- 9	STANDARD BED (W/MATTRESS)	14	A
NC- 10	BEDSIDE CABINET	30	C
NC- 11	RESUSCITATOR (W/O2 CYLINDER)	3	A
NC- 12	KICK BUCKET	10	A
NC- 13	EXAMINATION LIGHT MOBILE	1	A
NC- 14	SUCTION UNIT	6	A
NC- 15	ELECTRO SURGICAL UNIT	2	A
NC- 16	CARDIOTOCOGRAPH	2	A
NC- 17	SHOWER COMMUNE CHAIR	8	C

D-OPHTHALMOLOGY

ND- 1	CRYO THERAPY	1	C
ND- 2	SLIT LAMP MICROSCOPE	1	A
ND- 3	INDIRECT OPHTHALMOSCOPE (HALOGEN LAMP)	6	C
ND- 4	STREAK RETINOSCOPE	1	B
ND- 5	OPERATING MICROSCOPE	1	A
ND- 6	REFRACTING UNIT	1	C
ND- 7	LENS METER (W/TRIAL LENS SET)	1	A
ND- 8	EYE INSTRUMENTS (CATARACT KNIFE)	2	A
ND- 9	CURETTE, 2MM SKEELE, SERRATED	2	A
ND- 10	CURETTE, 3MM (MEYERHAEFER)	2	A
ND- 11	LOOP AND SPOON (DOUBLE ENDED)	2	A
ND- 12	HOOK, FIXATION, DOUBLE, SHARP	2	A
ND- 13	ASPIRATION, INTRA OCULAR	2	C
ND- 14	CANNULA, INTRA OCULAR	2	A
ND- 15	TRACHOMA FORCEPS	2	A
ND- 16	MUSCLE FORCEPS	2	A
ND- 17	MARKER & DIVIDING CALIPER	2	C
ND- 18	SCISSORS - CASTROVIEJO	2	A
ND- 19	SCISSORS - MISHIMA	2	A
ND- 20	SCISSORS - DE WECKER	2	A
ND- 21	SCISSORS - IRIS	2	A
ND- 22	NEEDLE HOLDER, BARRAQUER DELICATE, WITH	2	A
ND- 23	NEEDLE HOLDER, CASTROVIEJO WITH LOCK	2	A
ND- 24	NEEDLE HOLDER, KOSAKI MICROSURGERY, CURVED	2	A
ND- 25	SPECULUM, EYE BARRAQUER (SMALL)	2	C
ND- 26	SPECULUM, WEISS	2	A
ND- 27	RETRACTOR, EYE LID, DESMARNES, LARGE, MEDIUM, SMALL, EXTRA SMALL	2	A

E-ENT

NE- 1	LUCAE EUSACHIAN CATHETER	2	A
NE- 2	DIAGNOSTIC HAROGEN SET	2	A
NE- 3	LEMPERT HEAD MIRROR	1	C
NE- 4	KILLIAN HEAD LIGHT	1	A

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NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. Q'TY	P'TY
NE- 5	BRUENING AURIAL MAGNIFIER	1	A
NE- 6	POLITZER RUBBER AIRBAG	2	C
NE- 7	SUCTION & PRESSURE PUMP	2	C
NE- 8	LUCAE EAR PROBE	2	C
NE- 9	EAR SPOON	2	C
NE- 10	LUCAE EAR PERFORATION KNIFE	2	C
NE- 11	HARTMANN EAR HOOK	2	C
NE- 12	EAR FURUNCLE KNIFE	2	C
NE- 13	EAR FORCEPS	2	C
NE- 14	WIDE ANGULE FORCEPS	2	C
NE- 15	OKONOGI EAR FORCEPS	2	C
NE- 16	HARTMANN EAR FORCEPS	2	A
NE- 17	EAR FORCEPS	2	C
NE- 18	HARTMANN EAR FORCEPS (SERRATED)	2	A
NE- 19	HARTMANN EAR FORCEPS (MOUSE)	2	A
NE- 20	HARTMANN EAR FORCEPS (CUP)	2	A
NE- 21	KRAUSE EAR SNARE	2	A
NE- 22	POWDER BLOWER	2	A
NE- 23	EAR SYRINGE	2	A
NE- 24	HARTMANN ATTIC CANNULA (L&R)	4	C
NE- 25	POLITZER EAR OPERATING INSTRUMENT SET	1	C
NE- 26	MANASSE - PASSOW RETRACTOR	2	C
NE- 27	JANSEN RETRACTOR	2	A
NE- 28	EMOIRA RETRACTOR	2	A
NE- 29	VOLKMANN RETRACTOR (2 PRONG)	2	A
NE- 30	VOLKMANN RETRACTOR (3 PRONG)	2	A
NE- 31	VOLKMANN RETRACTOR (4 PRONG)	2	A
NE- 32	VOLKMANN RETRACTOR (5 PRONG)	2	C
NE- 33	LANGENBECK RETRACTOR	2	C
NE- 34	LANGENBECK PERIOSTEAL ELEVATOR	2	C
NE- 35	LANGENBECK RASPATORY	2	C
NE- 36	LANGENBECK RASPATORY (16 CM)	2	C
NE- 37	CHISEL	2	C
NE- 38	GOUGE	2	C
NE- 39	SCHWARTZE CHISEL	2	C
NE- 40	SCHWARTZE GOUGE	2	C
NE- 41	MALLET	2	A
NE- 42	VOLKMANN BONE CURETTE	2	A
NE- 43	BARTH BONE CURETTE	2	A
NE- 44	PELTESON BONE CURETTE	2	C
NE- 45	CITELLI SINUS BONES NIBBLING RONGEUR	2	A
NE- 46	LUCAE RONGEUR	2	C
NE- 47	JANSEN RONGEUR	2	C
NE- 48	LEMPERT SPECULUM	2	C
NE- 49	SHAMBAUGH RETRACTOR	2	C
NE- 50	HORIGUCHI RONGEUR	2	C
NE- 51	LEMPERT NIPPER	1	A
NE- 52	ZOLLNER TYMPANOPLASTY INSTRUMENTS SET	1	C
NE- 53	SHEA STAPES SURGERY INSTRUMENTS	2	C
NE- 54	FINE EAR FORCEPS SET	20	C
NE- 55	AUSTIN TEFLON UMBRELLA	20	C
NE- 56	SHEA TEFLON PISTON	20	C
NE- 57	PLATINUM PROSTHESIS	20	C

NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. Q'TY	PTY
NE- 58	SHEA TEFLON DRAIN TUBE	20	C
NE- 59	GROMMET DRAIN TUBE	20	C
NE- 60	DUAL CHANNEL AUDIOMETER	1	A
NE- 61	LARYNGO STROBOSCOPE	1	C
NE- 62	FULL AUTOMATIC & FULL AUTO MASKING AUDIOMETER	2	C
NE- 63	HEARING AID	2	A
NE- 64	LUCAE EAR AND NASAL COTTON APPLICATOR	2	C
NE- 65	BROWN EAR AND NASAL COTTON APPLICATOR	2	C
NE- 66	KUROSU FINE APPLICATOR	2	C
NE- 67	ANTRUM BULB SYRINGE	2	C
NE- 68	KRAUSE NASAL FORCEPS	2	A
NE- 69	HARTMANN NASAL FORCEPS	2	C
NE- 70	HEYMANN TURBINATE SCISSORS	2	C
NE- 71	BECKMANN TURBINATE SCISSORS	2	C
NE- 72	BECKMANN MIDDLE TURBINATE SCISSORS	2	C
NE- 73	GRUENWALD NASAL FORCEPS	2	A
NE- 74	GRUENWALD NASAL FORCEPS	2	C
NE- 75	SAKAKIDA SEPTUM FORCEPS	1	A
NE- 76	BRUENING SEPTUM FORCEPS	2	A
NE- 77	SASAKI SEPTUM CUTTING FORCEPS	2	C
NE- 78	SEPTUM MALLET	2	C
NE- 79	TAKAHASHI SUTURE NEEDLE HOLDER	2	C
NE- 80	KILLIAN NASAL WING RETRACTOR	2	C
NE- 81	KUBO MAXILLARY ANTRUM PROBE	2	C
NE- 82	KILLIAN NASAL WING RETRACTOR	2	C
NE- 83	MIKULICZ MAXILLARY ANTRUM CANNULA	2	A
NE- 84	KILLIAN FRONTAL SINUS PROBE	2	C
NE- 85	KILLIAN FRONTAL SINUS CANNULA	2	A
NE- 86	ANDREW SPHENOID PROBE	2	C
NE- 87	ANDREW SPHENOID CANNULA	2	C
NE- 88	KUZAME MAXILLARY ANTRUM TROCAR	2	A
NE- 89	MICULICZ MAXILLARY ANTRUM TROCAR	2	C
NE- 90	HARTMANN MAXILLARY ANTRUM TROCAR	2	C
NE- 91	KIMURA - KAWAKAMI FRONTAL SINUS RASP	2	C
NE- 92	TADOKORO GINGICAL KNIFE	2	C
NE- 93	KYODAI MAXILLARY SINUS MUCOSA AND CARTILAGE KNIFE	2	C
NE- 94	MASUDA MAXILLARY SINUS MUCOSA AND CARTILAGE KNIFE	2	C
NE- 95	KASHIWABARA NASAL RETRACTOR	2	C
NE- 96	STEMBERG LIP RETRACTOR	2	C
NE- 97	IWATA SINUS BONE NIBBLING RONGEUR	2	A
NE- 98	KILLIAN MAXILLARY SINUS CURETTE	2	A
NE- 99	TORIL MAXILLARY SINUS MUCOSA ELEVATOR	2	C
NE- 100	KILLIAN MAXILLARY SINUS CURETTE	2	C
NE- 101	PENICILLIN NEBULIZER	1	C
NE- 102	KIKUCHI NASAL FORCEPS	2	A
NE- 103	KILLIAN BONE HEMOSTAT	2	C
NE- 104	MAXILLARY SINUS FORCEPS	2	C
NE- 105	GRUENWALD NASAL FORCEPS	2	A

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NAMPULA CENTRAL HOSPITAL

No	ITEM	RE. QTY	P'TY
NE- 106	NISHIHATA ETHMOID FORCEPS	2	C
NE- 107	HAMACHI NASAL CUPPED FORCEPS	2	C
NE- 108	WATSUJI NASAL SPECULUM	2	C
NE- 109	HARTMANN NASAL SPECULUM	2	A
NE- 110	KILLIAN SEPTUM SPECULUM	2	A
NE- 111	ETHMOID CURETTE	2	C
NE- 112	MYLES SEPTUM SPECULUM	2	C
NE- 113	FRONTAL SINUS RASP	2	C
NE- 114	KILLIAN GOUGE	2	C
NE- 115	KILLIAN EYEBALL PROTECTOR	1	C
NE- 116	HAJEK ETHMOID CELLULITIS OPERATING INSTRUMENT SET	1	C
NE- 117	DENHART MOUTH GAG	2	C
NE- 118	WHITEHEAD - JENNING MOUTH GAG	2	C
NE- 119	FRAENKEL TONGUE DEPRESSOR	2	C
NE- 120	CZERMAK TONGUE DEPRESSOR	2	C
NE- 121	KYODAI TONGUE DEPRESSOR	2	C
NE- 122	WEDER TONGUE DEPRESSOR	2	C
NE- 123	HARTMANN LARYNGEAL COTTON APPLICATOR	2	C
NE- 124	TONSIL SYRINGE	2	C
NE- 125	MACKENZIE TONSILLECTOME	2	A
NE- 126	MYLES GUILLOTINE	8	C
NE- 127	TONSIL KNIFE	4	C
NE- 128	DENKER PERITONSILLAR ABSCESS FORCEPS	2	C
NE- 129	TAKAHASHI TONSIL SEIZING FORCEPS	4	C
NE- 130	KUBO TONSIL SEIZING FORCEPS	2	C
NE- 131	OKADA TONSIL KNIFE AND DISSECTOR	2	C
NE- 132	TAKAHASHI TONSIL SNARE	2	A
NE- 133	OKADA TONSIL SCISSORS	2	C
NE- 134	TYDING TONSIL SNARE	2	A
NE- 135	JONSON TONSIL DISSECTOR AND PILLAR RETRACTOR	4	C
NE- 136	YOSHIDA SUCTION DISSECTOR	2	C
NE- 137	BECK TONSIL HEMOSTATIC FORCEPS	2	C
NE- 138	MAURICE - SASAKI TONSIL LIGATURE FORCEPS	2	C
NE- 139	BOETTCHER TONSIL HEMOSTAT	2	C
NE- 140	BROPHY BISTOURY	2	C
NE- 141	PELTESON LARYNGEAL COTTON APPLICATOR	2	C
NE- 142	FINGER GUARD	2	C
NE- 143	BECKMANN ADENOID CURETTE (ALL SIZE)	4	A
NE- 144	LA FORCE ADENOTOME	2	C
NE- 145	LARYNGEAL MIRROR	2	C
NE- 146	KUZUME LARYNGEAL SYRINGE	2	C
NE- 147	TOBOLD GRASPING FORCEPS	2	C
NE- 148	FRAENKEL LARYNGEAL KNIFE SET	2	C
NE- 149	LABORDE TRACHEAL DILATOR	1	C
NE- 150	TROUSSEU TRACHEAL DILATOR	1	C

NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	PTY
NE- 151	FRANKEL LARYNGEAL FORCEPS	1	C
NE- 152	KOCHER GOIRE PROBE	1	C
NE- 153	EMERGENCY TRACHEOTOMY	1	C
NE- 154	LUER TRACHEOTOMY	1	A
NE- 155	TRACHEOTOMY INSTRUMENT SET	1	A
NE- 156	JACKSON LARYNGOSCOPES FOR ADULT	1	A
NE- 157	JACKSON LARYNGOSCOPES FOR CHILD	1	A
NE- 158	JACKSON ANTERIOR COMMISSURE LARYNGOSCOPE	1	A
NE- 159	ONO LOUPE	1	C
NE- 160	ONO ESOPHAGEAL SPECULUM	1	C
NE- 161	MICRO MOTOR HAND DRILL	1	A
NE- 162	BINOCULAR OPERATION MICROSCOPE (TABLE MOUNTED)	1	C
NE- 163	ENT TREATMENT CHAIR	1	C
NE- 164	ENT OPTICAL EXAMINATION & TREATMENT UNIT	1	C
NE- 165	CONSTANT ANGULAR ACCELERATION PENDULAR ROTARY CHAIR	1	C
NE- 166	DRUM TYPE OPTOKINETIC NYSTAGMUS STIMULATOR	1	C
NE- 167	COAGULATOR	1	C
NE- 168	FRENTZEL SPECTACLES	1	C
NE- 169	IONTOPHORETIC ANAESTHETIZER	1	C
NE- 170	SOUNDPROOF CHAMBER FOR HEATING TESTS	1	C

F- SURGERY & ENDOSCOPIC ROOM

NF- 1	FIBERSCOPE UPPER DIGESTIVE	1	B
NF- 2	LAPAROSCOPE SET	2	B
NF- 3	BRONCHOSCOPE	2	B
NF- 4	MULTI PURPOSE TROLLEY	6	B
NF- 5	COLONOSCOPE	1	C
NF- 6	CYSTOSCOPE	2	C
NF- 7	ENDOSCOPIC LIGHT SOURCE	2	B
NF- 8	ENDOSCOPIC CLEANING MACHINE	1	C
NF- 9	ENDOSCOPIC CABINET	2	B
NF- 10	ENDOSCOPIC CAMERA SET	1	B
NF- 11	ENDOSCOPIC SUCTION UNIT	2	B
NF- 12	MAINTENANCE UNIT	2	B
NF- 13	MANUAL DISINFECTOR TROLLEY	2	B
NF- 14	AIR CONDITIONING UNIT	1	C

G- SURGERY & OPERATING THEATRE

NG- 1	AUTOCLAVE	2	A
NG- 2	S/S PACKING TABLE	4	B
NG- 3	TROLLEY (A) LARGE SIZE	16	A
NG- 4	TROLLEY (B) SMALLER SIZE	10	C
NG- 5	THEATER LIGHT	4	A
NG- 6	ELECTRIC BONE DRILL	1	A
NG- 7	AIR CONDITIONING UNIT	2	A
NG- 8	FREEZER	1	B

H-X-RAY DEPARTMENT

NH- 1	REMOTE CONTROLLED R/F SYSTEM SERIGRAPH CF/POLYDOROS S*80	1	A
NH- 2	MOBILE X-RAY SYSTEM	1	A
NH- 3	PROTECTIVE GEAR , LEAD APRONS, LEAD GLOVES, MOBILE LEAD SCREEN	4	A

NAMPULA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P'TY
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I-LABORATORY

NI- 1	BLOOD BANK REFRIGERATOR	1	A
NI- 2	HOT AIR STERILIZER	2	A
NI- 3	CENTRIFUGE, TABLE TOP	2	A
NI- 4	ELECTRONIC ANALYTICAL BALANCE	1	A
NI- 5	INCUBATOR (LOW TEMPERATURE)	1	A
NI- 6	UV-VIS SPECTROPHOTOMETER	2	A
NI- 7	CHEMISTRY ANALYZER	1	C
NI- 8	ULTRA LOW TEMPERATURE FREEZER	1	A
NI- 9	ANALYZER Na,K,Cl	1	B
NI- 10	HB METER	1	B
NI- 11	BILLIRUBIN METER	2	B
NI- 12	PH METER	1	B
NI- 13	ELECTROPHORUS	1	B
NI- 14	BLOOD GAS ANALYZER	1	B
NI- 15	COLD BOXES	2	A

J-LAUNDRY

NJ- 1	WASHING MACHINE	2	A
NJ- 2	TUMBLE DRYER	2	A
NJ- 3	HYDRO-EXTRACTOR	2	A
NJ- 4	LAUNDRY TROLLEY	3	B
NJ- 5	WARD TROLLEY - WITH LID	8	B

K-KITCHEN

NK- 1	VEGETABLE RACK FRAME	2	B
NK- 2	VEGETABLE RACK EPOXY COATED BASKET	16	B
NK- 3	DUNNAGE RACK	2	B
NK- 4	FREEZER	2	B
NK- 5	POT SINK	1	B
NK- 6	DOUBLE BOWL SINK	1	B
NK- 7	POT RACK	1	B
NK- 8	SOLID TOP RANGE WITH OVEN	1	B
NK- 9	FRYER	1	B
NK- 10	TILTING PAN	1	B
NK- 11	OIL JACKETED BOILING PAN	1	B
NK- 12	HOSPITAL FOOD TROLLEY	8	B
NK- 13	TEA TROLLEY	2	B

L- OTHERS

NL- 1	KICK BUCKET	16	A
NL- 2	SCALE (ADULT)	10	A
NL- 3	SCALE (INFANT)	10	A
NL- 4	SCALE (PEDIATRIC)	10	C
NL- 5	ELECTRIC STABILIZER	8	A

BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P'TY
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A-EMERGENCY & ICU

BA- 1	DIAGNOSTIC SET	6	A
BA- 2	SPHYGMOMANOMETER ANEROID WALL TYPE	22	A
BA- 3	SPHYGMOMANOMETER ANEROID PORTABLE	2	A
BA- 4	BEDSIDE MONITOR	6	B
BA- 5	DEFIBRILLATOR (W / CART)	1	A
BA- 6	ANESTHETIC MACHINE +CO2 MONITOR	4	C
BA- 7	VENTILATOR	6	A
BA- 8	MANUAL RESUSCITATOR SET +O2 GAS CYLINDER	3	A
BA- 9	INFUSION PUMP	8	A
BA- 10	WHEEL CHAIR	10	B
BA- 11	ICU BED (W / MATTRESS)	6	A
BA- 12	OXYGEN MASK	12	B
BA- 13	OPERATION LIGHT MOBILE (WITH BACKUP BATTERY)	6	B
BA- 14	BLOOD GAS ANALYZER	1	B
BA- 15	AMBULANCE	1	A
BA- 16	PULSE OXIMETER	2	B
BA- 17	NEBULIZER (ULTRASONIC)	6	B
BA- 18	PATIENT TRANSPORTER	15	B
BA- 19	INFANT BASSINET & MATTRESS	30	B

B-PAEDIATRICS

BB- 1	BEDSIDE MONITOR	3	B
BB- 2	DEFIBRILLATOR (PEDIATRIC)	2	B
BB- 3	INFANT INCUBATOR	7	A
BB- 4	INFANT WARMER	7	B
BB- 5	PHOTOTHERAPY UNIT	5	B
BB- 6	ICU BED WITH MATTRESS	10	B
BB- 7	STRETCHER/TROLLEY	10	B
BB- 8	EXAMINATION LIGHT MOBILE	4	A
BB- 9	SUCTION UNIT	5	A
BB- 10	HEATERS (OIL TYPE)	10	A
BB- 11	OXYGEN TENT	2	B
BB- 12	INFANT BASSINET & MATTRESS	20	B

C-GYNECOLOGY & MATERNITY

BC- 1	SPHYGMOMANOMETER	10	A
BC- 2	ULTRASONIC SCANNER GENERAL	2	A
BC- 3	BEDSIDE MONITOR	1	B
BC- 4	DEFIBRILLATOR (W / CART)	1	A
BC- 5	ANESTHESIA MACHINE	1	A
BC- 6	MANUAL RESUSCITATOR SET	2	A
BC- 7	DELIVERY TABLE	5	A
BC- 8	INFANT WARMER	3	A
BC- 9	INFANT CARE SYSTEM	2	B
BC- 10	INFANT VENTILATOR	5	B
BC- 11	SYRINGE PUMP	5	B
BC- 12	INFANT BASSINET & MATTRESS	50	B
BC- 13	OPERATING LIGHT MOBILE	3	B
BC- 14	EXAMINATION LIGHT MOBILE	5	A
BC- 15	ELECTRO SURGICAL UNIT	1	A
BC- 16	SHOWER COMMODOE CHAIR	6	B
BC- 17	TRANSPORT INCUBATOR	4	B
BC- 18	CARDIOTOCOGRAPH	3	B
BC- 19	FETAL DOPPLER	4	B

BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P'TY
D-OPHTHALMOLOGY			
BD- 1	TRIAL LENS SET	1	C
BD- 2	LENS METER	1	C
BD- 3	UNIVERSAL TRIAL FRAME	1	B
BD- 4	SLIT LAMP	1	A
BD- 5	OPHTHALMOSCOPE(HAROGEN)	2	A
BD- 6	STREAK RETINOSCOPE	1	B
BD- 7	PULSE HAND MAGNET	1	A
BD- 8	SOLID STATE ELECTROSURGICAL UNIT	1	A
BD- 9	STEREO FUNDUS CAMERA	1	B
BD- 10	FORCEPS, MUSCLE	2	B
BD- 11	MARKER & DIVIDING CALIPER	2	B
E-ENT			
BE- 1	KUROUSU FINE APPLICATOR	2	B
BE- 2	ANTRUM BULB SYRINGE	2	B
BE- 3	KRAUSE NASAL SNARE	2	B
BE- 4	HARTMANN NASAL FORCEPS	2	B
BE- 5	HEYMANN NASAL FORCEPS	2	B
BE- 6	HEYMANN TURBINATE SCISSORS	2	B
BE- 7	BECKMANN TURBINATE SCISSORS	2	B
BE- 8	BECKMANN MIDDLE TURBINATE SCISSORS	2	B
BE- 9	GRUENWALD NASAL FORCEPS	2	B
BE- 10	GRUENWALD NASAL FORCEPS	2	B
BE- 11	SASAKI SEPTUM OPERATION INSTRUMENT SET	1	B
BE- 12	BRUENING SEPTUM FORCEPS	2	B
BE- 13	SASAKI SEPTUM CUTTING FORCEPS	2	B
BE- 14	SEPTUM MALLET	2	B
BE- 15	TAKAHASHI SUTURE NEEDLE HOLDER	2	B
BE- 16	KILLIAN NASAL WING RETRACTOR	2	B
BE- 17	KUBO MAXILLARY ANTRUM PROBE	2	B
BE- 18	KILLIAN MAXILLARY ANTRUM CANNULA	2	B
BE- 19	KIKULICZ MAXILLARY ANTRUM CANNULA	2	B
BE- 20	KILLIAN FRONTAL SINUS PROBE	2	B
BE- 21	KILLIAN FRONTAL SINUS CANNULA	2	B
BE- 22	ANDREW SPHENOID PROBE	2	B
BE- 23	ANDREW SPHENOID CANNULA	2	B
BE- 24	KUZAME MAXILLARY ANTRUM TROCAR	2	B
BE- 25	MICULICZ MAXILLARY ANTRUM TROCAR	2	B
BE- 26	HARTMANN MAXILLARY ANTRUM TROCAR	2	B
BE- 27	KIMURA - KAWAKAMI FRONTAL SINUS RASP	2	B
BE- 28	TADOKORO GINGIVAL INCISING KNIFE	2	B
BE- 29	KYODAI MAXILLARY SINUS MUCOSA AND CARTILAGE KNIFE	2	B
BE- 30	MASUDA MAXILLARY SINUS MUCOSA AND CARILAGE KNIFE	2	B
BE- 31	KASHIWABARA NASAL RETRACTOR	2	B
BE- 32	STEMBERG LIP RETRACTOR	2	B
BE- 33	IWATA SINUS BONE NIHBLING RONGEUR	2	B
BE- 34	KILLIAN MAXILLARY SINUS MUCOSA ELEVATOR	2	B
BE- 35	KILLIAN MAXILLARY SINUS CURETTE	2	B
BE- 36	PENICILLIN NUBULIZER	2	B
BE- 37	KIKUCHI NASAL FORCEPS	1	B
BE- 38	KILLIAN BONE HEMOSTAT	2	B
BE- 39	MAXILLARY SINUS FORCEPS	2	B

BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. Q'TY	P'TY
BE- 40	GRUENWALD NASAL FORCEPS	2	B
BE- 41	NISHIHATA ETHMOID FORCEPS	2	B
BE- 42	HAMACHI NASAL CUPPED FORCEPS	2	B
BE- 43	WATSUJI NASAL SPECULUM	2	B
BE- 44	HARTMANN NASAL SPECULUM	2	B
BE- 45	KILLIAN SEPTUM SPECULUM	2	B
BE- 46	ETHMOID CURETTE	2	B
BE- 47	MYES SEPTUM SPECULUM	2	B
BE- 48	FRONTAL SINUS RASP	2	B
BE- 49	KILLIAN GOUGE	2	B
BE- 50	KILLIAN EYEBALL PROTECTOR	1	B
BE- 51	HAJEK ETHMOID CELLULITIS OP. INSTRUMENT SET	1	B
BE- 52	DENHART MOUTH GAG	2	B
BE- 53	WHITEHEAD - JENNING MOUTH GAG	2	B
BE- 54	FRAENKEL TONGUE DEPRESSOR	2	B
BE- 55	CZERMAK TONGUE DEPRESSOR	2	B
BE- 56	KYODAI TONGUE DEPRESSOR	2	B
BE- 57	WEDER TONGUE DEPRESSOR	2	B
BE- 58	HARTMANN LARYNGEAL COTTON APPLICATOR	2	B
BE- 59	TONSIL SYRINGE	2	B
BE- 60	MACKENZIE TONSILLECTOME	2	B
BE- 61	MYLES GUILLOTINE	2	B
BE- 62	TONSIL KNIFE	2	B
BE- 63	DENKER PERITONSILLAR ABSCESS FORCEPS	2	B
BE- 64	TAKAHASHI TONSIL SEIZING FORCEPS	4	B
BE- 65	KUBO TONSIL SEIZING FORCEPS	2	B
BE- 66	OKADA TONSIL KNIFE AND DISSECTOR	2	B
BE- 67	TAKAHASHI TONSIL SNARE	2	B
BE- 68	TYDING TONSIL SNARE	2	B
BE- 69	JONSON TONSIL DISSECTOR AND PILLAR RETRACTOR	4	B
BE- 70	YOSHIDA SUCTION DISSECTOR	2	B
BE- 71	BECK TONSIL HEMOSTATIC FORCEPS	2	B
BE- 72	MAURICE - SASAKI TONSIL LIGATURE FORCEPS	2	B
BE- 73	BOETICHER TONSIL HEMOSTAT	2	B
BE- 74	BROPHY BISTOURY	2	B
BE- 75	PELTESON LARYNGEAL COTTON APPLICATOR	2	B
BE- 76	FINGER GUARD	2	B
BE- 77	BECKMANN ADENOID CURETTE (ALL SIZE)	4	B
BE- 78	LA FORCE ADENOTOME	1	B
BE- 79	LARYNGEAL MIRROR	1	B
BE- 80	KUZUME LARYNGEAL SYRINGE	1	B
BE- 81	TOBOLD GRASPING FORCEPS	1	B
BE- 82	FRAENKEL LARYNGEAL FORCEPS	1	B
BE- 83	LABORDE TRACHEAL DILATOR	1	B
BE- 84	TROUSSEAU TRACHEAL DILATOR	1	B
BE- 85	FRAENKEL LARYNGEAL KNIFE SET	1	B
BE- 86	KOCHER GOITRE PROBE	1	B
BE- 87	EMERGENCY TRACHEOTOMY	1	B
BE- 88	LUER TRACHEAL	1	B
BE- 89	TRACHEOTOMY INSTRUMENT SET	1	B
BE- 90	JACKSON LARYNGOSCOPES, FOR ADULT	1	B
BE- 91	JACKSON LARYNGOSCOPES, FOR CHILD	1	B
BE- 92	JACKSON ANTERIOR COMMISSURE LARYNGOSCOPE	1	B

BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P'TY
BE- 93	ONO LOUPE	1	B
BE- 94	ONO ESOPHAGEAL SPECULUM	1	B
BE- 95	MICRO MOTOR HAND DRILL	1	A
BE- 96	BINOCULAR OPERATION MICROSCOPE (TABLE MOUNTED)	1	A
BE- 97	ENT TREATMENT CHAIR	1	A
BE- 98	ENT OPTICAL EXAMINATION & TREATMENT UNIT	1	A
BE- 99	CONSTANT ANGULAR ACCELERATION PENDULAR ROTARY CHAIR	1	C
BE- 100	DRUM TYPE OPTOCINETIC NYSTAGMUS STIMULATOR	1	C
BE- 101	COAGULATOR	1	A
BE- 102	FRENTZEL SPECTACLES	1	A
BE- 103	IONTOPHORETIC ANAESTHETIZER	1	B
BE- 104	SOUNDPROOF CHAMBER FOR HEARING TESTS	1	C
BE- 105	DUAL CHANNEL AUDIOMETER	1	A

F-SURGERY & ENDOSCOPIC ROOM

BF- 1	FIBERSCOPE UPPER DIGESTIVE	2	B
BF- 2	LAPAROSCOPE - WHOLE SET	1	B
BF- 3	UROLOGY TABLE	2	C
BF- 4	ENDOSCOPIC CLEANING - MACHINE	2	C
BF- 5	ULTRASONIC CLEANER	1	B
BF- 6	ENDOSCOPIC CABINET	2	B
BF- 7	ENDOSCOPIC CAMERA SET	1	B
BF- 8	ENDOSCOPIC SUCTION UNIT	1	B
BF- 9	MAINTENANCE UNIT	1	B
BF- 10	CLEANING CONTAINER SET	2	B
BF- 11	INSTRUMENT TROLLY	6	B

G- X-RAY

BG- 1	CT SCANNER - SOMATOM ARC	1	C
BG- 2	MOBILE C-ARM IMAGE INTENSIFIER & TABLE	1	C
BG- 3	MOBILE X-RAY SYSTEM POLYMOBIL III	1	C
BG- 4	MOBILE X-RAY SYSTEM POLYMOBIL 10	1	C

H-PHYSIOTHERAPY & REHABILITATION

BH- 1	MEGAPULSE THERAPY UNIT	1	B
BH- 2	MEGAPULSE SENIOR CONTINUOUS / PULSED SHORT-WAVE THERAPY UNIT	1	C
BH- 3	MEGATHERM PULSE SEVEN CONTINUOUS PLUS SHORT-WAVE	1	A
BH- 4	ULTRASONIC THERAPY UNIT	1	A
BH- 5	INTERFERENTIAL THERAPY UNIT	1	B
BH- 6	MYODYNE 5 DIAGNOSTIC THERAPEUTIC STIMULATOR	1	C
BH- 7	THERALUX HEAT THERAPY UNIT INFRARED	1	B
BH- 8	VARITHERM WAX BATH	1	B
BH- 9	WAX PURIFICATION UNIT	1	B
BH- 10	MANIPULATION AND GENERAL PLINTH	2	A
BH- 11	BOBATH AND MATTABLE	2	A
BH- 12	TILT TABLE	1	A
BH- 13	TRACTION EQUIPMENT (TABLE, MACHINE, ACCESSORIES)	1	B
BH- 14	AKRON ISOKINETIC SYSTEM	1	C
BH- 15	INTERFERENTIAL & VACUUM	1	B
BH- 16	WATER DISINFECTOR FOR HYDROTHERAPY	1	B
BH- 17	BURNS BATH	1	C
BH- 18	HYDRO BUBBLER FOR ARMS & LEGS	1	B
BH- 19	WHIRLPOOL BATH	1	B
BH- 20	FINGER EXERCISER	2	A
BH- 21	BICYCLE EXERCISER	2	B

BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. QTY	P'TY
BH- 22	LOWER LIMB EXTENSION FLEXION EXERCISE CHAIR	1	B
BH- 23	ROWING MACHINE	2	B
BH- 24	ALTERNATE TRACTION PULLEY EXERCISER	1	B
BH- 25	ELECTRIC TILT TABLE	1	C
BH- 26	RECLINING TRAINING BED	1	A
BH- 27	DUMBBELLS WITH RACK	1	B
BH- 28	BARBELL	1	B
BH- 29	ULTRAVIOLET & INFRARED LAMP	1	B
BH- 30	SPORTS TREADMILL	2	B
BH- 31	BEAM TYPE FLEXIBILITY MEASURING INSTRUMENT	1	B
BH- 32	HYDRAULIC PINCH GAUGE	1	B
BH- 33	HAND DYNAMOMETER	1	A
BH- 34	FLOOR SITTER	4	B
BH- 35	BARREL CRAWL ROLL	4	B

I-LABORATORY

BI- 1	SLIDE WARMER	1	A
BI- 2	MICRO - SLIDE CARRIER	1	A
BI- 3	STAINING JAR	1	A
BI- 4	BINOCULAR MICROSCOPE	1	A
BI- 5	INCUBATOR (LOW TEMPERATURE)	1	A
BI- 6	HOT AIR STERILIZER	1	A
BI- 7	WATER BATH	1	A
BI- 8	MIXER	1	A
BI- 9	STIRRER	1	A
BI- 10	HAEMOMETER	1	A
BI- 11	ROTATOR	1	B
BI- 12	HAND TALLY COUNTER	4	A
BI- 13	DEFERENTIAL LEUKOCYTE COUNTER	1	A
BI- 14	BLOOD CELL COUNTER	1	B
BI- 15	COAGULOMETER	1	B
BI- 16	DENSITOMETER	1	B
BI- 17	ELECTROPHORESIS	1	A
BI- 18	ANALYZER N	1	B
BI- 19	UV-VIS SPECTROPHOTOMETER	1	C
BI- 20	CLINICAL SPECTROPHOTOMETER	1	A
BI- 21	AUTO DROPPER	1	B
BI- 22	PLATE INCUBATOR	1	B
BI- 23	PH METER	2	A
BI- 24	AUTOMATIC DILUTER / DISPENSER	1	B
BI- 25	LARGE CAPACITY REFRIGERATED CENTRIFUGE	1	B
BI- 26	MICRO HAEMATOCRIT CENTRIFUGE	1	B
BI- 27	AUTOMATIC TIMER	1	A
BI- 28	SHAKER	1	A
BI- 29	AUTOMATIC DIASTILL	1	A
BI- 30	RE - DISTILLATION APPARATUS	1	B
BI- 31	COLONY COUNTER	2	B
BI- 32	THERMOMETER	5	A
BI- 33	ELECTRONIC ANALYTICAL BALANCE	1	A
BI- 34	ANALYTICAL BALANCE	1	A

J-LAUNDRY

BJ- 1	WASHING MACHINE	2	B
BJ- 2	TUMBLE DRYER	1	B
BJ- 3	HYDRO - EXTRACTOR	2	B

C-19

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BEIRA CENTRAL HOSPITAL

No.	ITEM	RE. Q'TY	P'TY
BJ- 4	LAUNDRY TROLLEY	3	B
BJ- 5	TROLLEY WITH LID - WARDS	22	B
K-KITCHEN			
BK- 1	SOLID TOP RANGE WITH OVEN	1	B
BK- 2	TILTING PAN	1	B
BK- 3	OIL JACKETED BOILING PAN	2	B
BK- 4	HOSPITAL FOOD TROLLEY	20	B
BK- 5	4 - DIVISION CULTIERY BOX	2	B
BK- 6	CLEANING TROLLEY	2	B
L- OTHERS			
BL- 1	DIAGNOSTIC SET	24	B
BL- 2	SPHYGMOMANOMETER ANEROID WALL TYPE	8	B
BL- 3	SPHYGMOMANOMETER ANEROID PORTABLE	48	B
BL- 4	WHEEL CHAIR	70	B
BL- 5	STRETCHER/TROLLEY	22	B
BL- 6	KICK BUCKET	100	B
BL- 7	OXYGEN FLOW METERS PLUS HUMIDIFIERS	30	B
BL- 8	STANDARD HOSPITAL BED (WHOLE HOSPITAL) (W / MATTRESS)	400	B
BL- 9	HI - LO BEDS	200	B
BL- 10	BED GATCH	200	B
BL- 11	EXAMINATION TABLE	50	B
BL- 12	BEDSTEPS (1 STEP)	50	B
BL- 13	BEDSTEPS (2 STEPS)	50	B
BL- 14	DRIP STAND	100	B
BL- 15	OVERBED TABLE	500	C
BL- 16	SCREENS	30	B
BL- 17	SCALE (ADULT)	10	A
BL- 18	SCALE (INFANT)	5	A
BL- 19	BEOSIDE CABINETS - WHOLE HOSPITAL	500	C

Annex II
Japan's Grant Aid

1. Japan's Grant Aid System

Grant Aid Procedures

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 Cabinet)
Determination of implementation	(The Notes exchanged between the Government of Japan and recipient country)

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 Government 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 Government of Japan. 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 points 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). JICA select (a) firm (s) based on proposals submitted by interested firms. 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 Grant 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. 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 constructing 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.)

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(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 Verifications 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 the following:

- 1) To secure land necessary for the 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 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 facilities constructed and 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 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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Annex III

Measures to be taken by the Mozambique Government

The Mozambique government is requested to facilitate the following matters.

1. Provide data and information necessary for the Project.
2. Provide storage of equipment and temporary offices during the execution of the Project.
3. Ensure at the port of discharge quick arrangements for unloading articles purchased for the Project, import duty exemption, trouble-free customs procedures, and efficient inland transport.
4. Provide Japanese, who offer labor for procurement of equipment and services according to the approved agreement, with necessary facilities for immigration to and stay in Mozambique for working.
5. Exempt Japanese who are involved in the Project from import duties for equipment procurement and labor in accordance with the approved agreement, inland taxes, and all the other taxes to be charged in Mozambique.
6. Pay handling charges to Japanese foreign exchange banks in accordance with inter-bank arrangements.
7. Bear any and all charges that are not included in the Japanese government's grant aid but necessary for executing the Project. In particular, the Mozambique government is requested to prepare before arrival of equipment the electric power and water supply and drainage facilities needed for installation of the equipment, building, and foundation work at the Mozambique government's expense.
8. Prepare counterpart, engineers, and technicians exclusively designated for the Project.

9. Ensure that the equipment purchased in accordance with the approved agreement can be adequately and effectively maintained and used. To this effect, the Mozambique government is requested to report to the Japanese government (Embassy of Japan in ZIMBABWE) and JICA (JICA office in ZIMBABWE) periodically as to how the installed medical equipment is being used and maintained.

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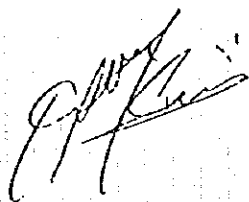
MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF MEDICAL EQUIPMENT
OF THE CENTRAL HOSPITALS
IN
THE REPUBLIC OF MOZAMBIQUE
(CONSULTATION ON DRAFT FINAL REPORT)

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

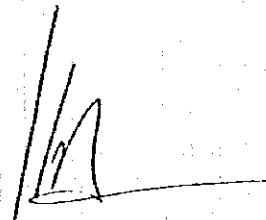
In order to explain and to consult the components of the draft final report to the Mozambique side, JICA sent a study team, which is headed by Dr. Osamu Kunii, medical doctor of the Bureau of International Cooperation, International Medical Center of Japan, Ministry of Health and Welfare, to the country from July 15 to July 23, 1996.

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

Maputo, July 23, 1996



Dr. Osamu KUNII
Leader
Explanation Team
for the Draft Final Report



Mr. Jorge Fernando Manuel Tomo
Deputy National Director
of Planning and Cooperation
Ministry of Health
of the Government of Mozambique

ATTACHMENT

1. Contents of the Draft Final Report

The Government of Mozambique (hereinafter referred to "the GOM") has agreed and accepted the contents of the Draft Final Report proposed by the Team with amendments.

2. Japan's Grant Aid System

- (1) The GOM has understood the system of Japanese Grant Aid explained by the Team.
- (2) The GOM will take the necessary measures, described in Appendix 1 for smooth implementation of the Project on condition that the Grant Aid assistance by the Government of Japan is extended to the Project.

3. Future Schedule

The team will finalize the basic design report in accordance with the confirmed items and amendments made and send it to the GOM by the end of October, 1996.

4. Others

- (1) The GOM has agreed to allocate and secure budget enough to properly operate and maintain the equipment procured by the Project.
- (2) The Ministry of Health will submit monitoring report annually to the Embassy of Japan in Zimbabwe and JICA Zimbabwe office. This monitoring report should cover the maintenance costs and conditions of the major equipment.
- (3) The team visited Maputo and Beira Central Hospital to explain the criteria and contents of the selected equipment to the directors. The team could not have a chance to visit to Nampula Central Hospital, but could talk with the new General Director and new Clinical Director of the Hospital in Maputo. The GOM took the responsibility to confirm the criteria and contents of the selected equipment to the hospital.

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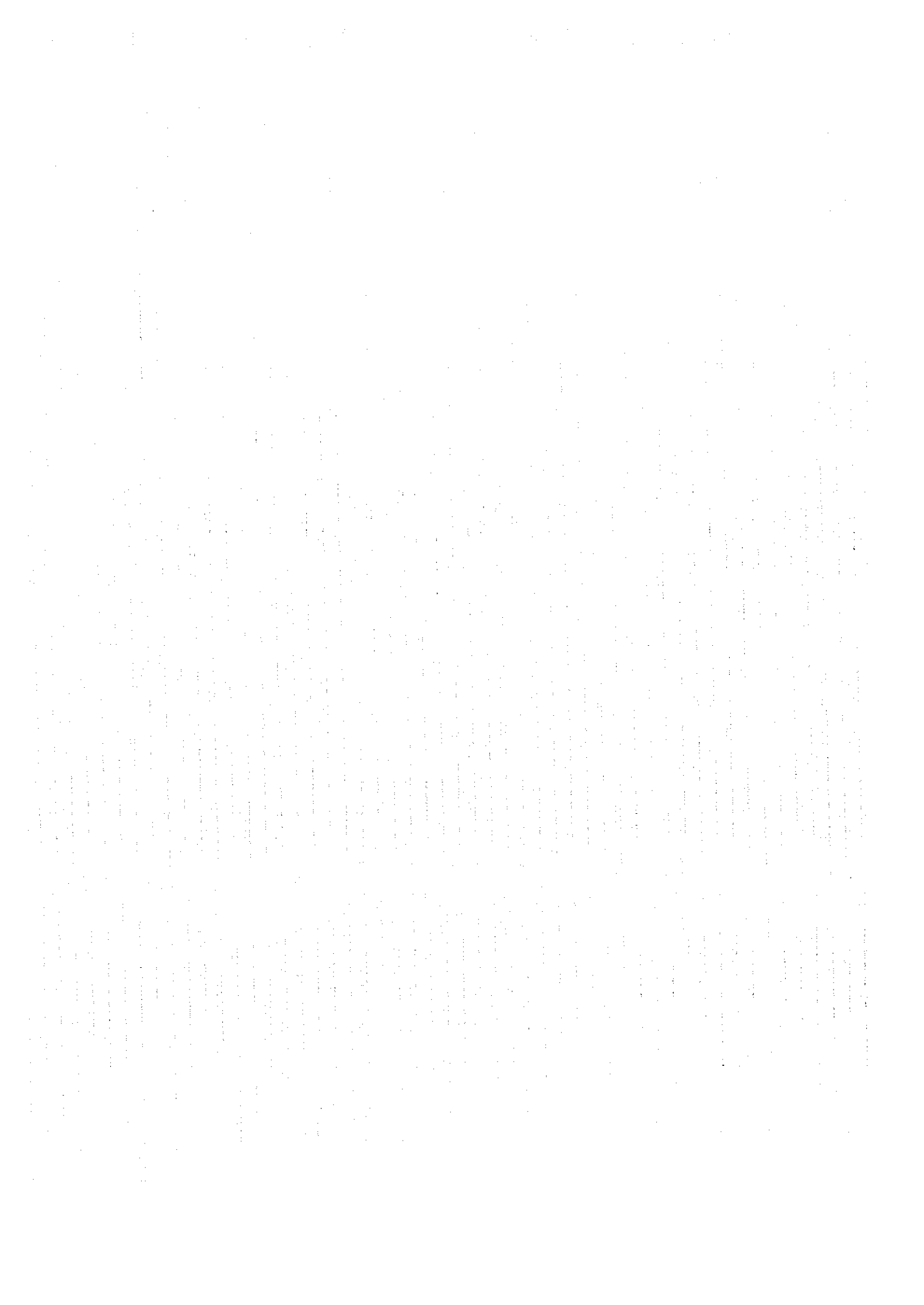
APPENDIX I

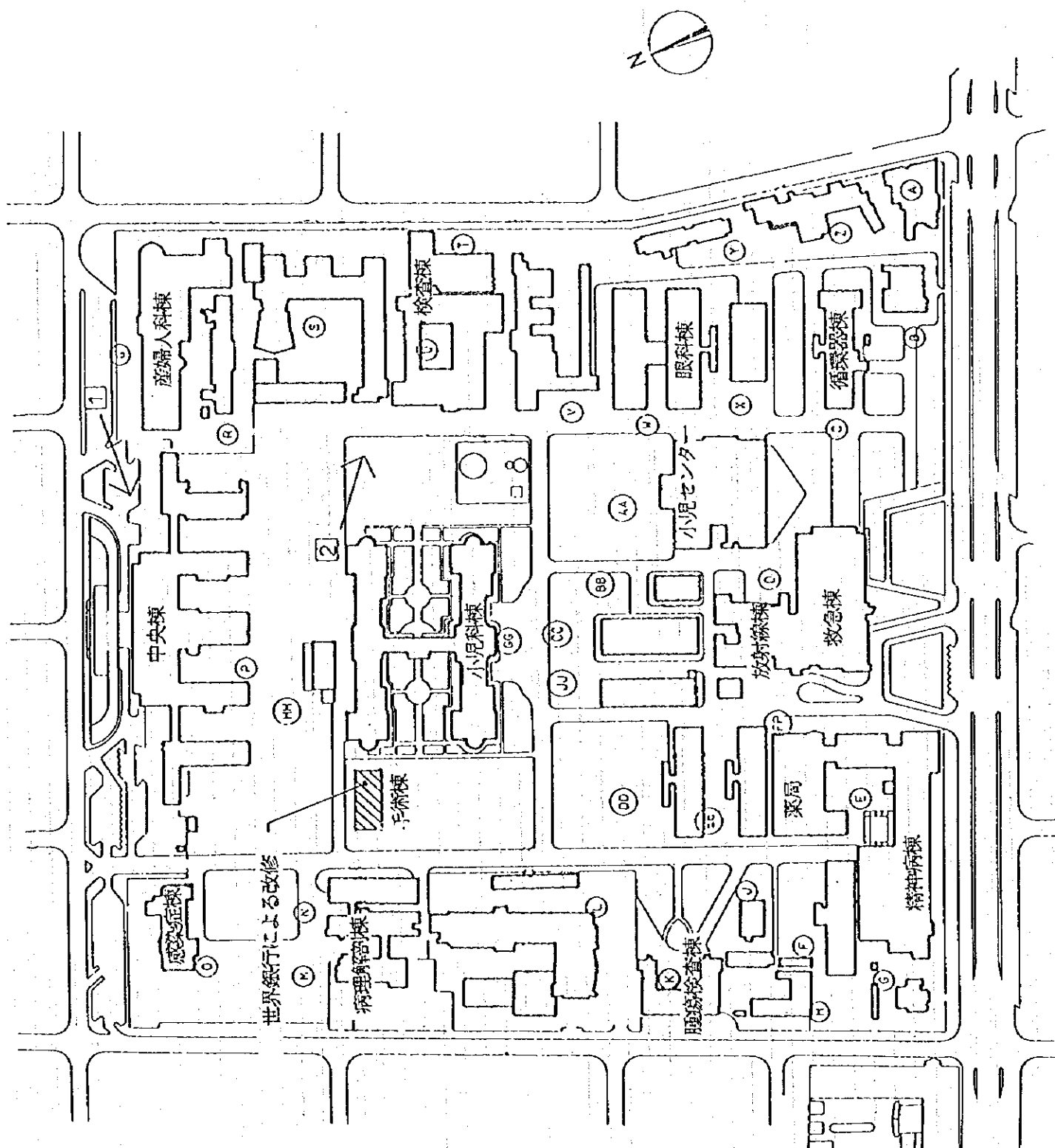
Measures to be taken by the Mozambique Government

The Mozambique government is requested to facilitate the following matters.

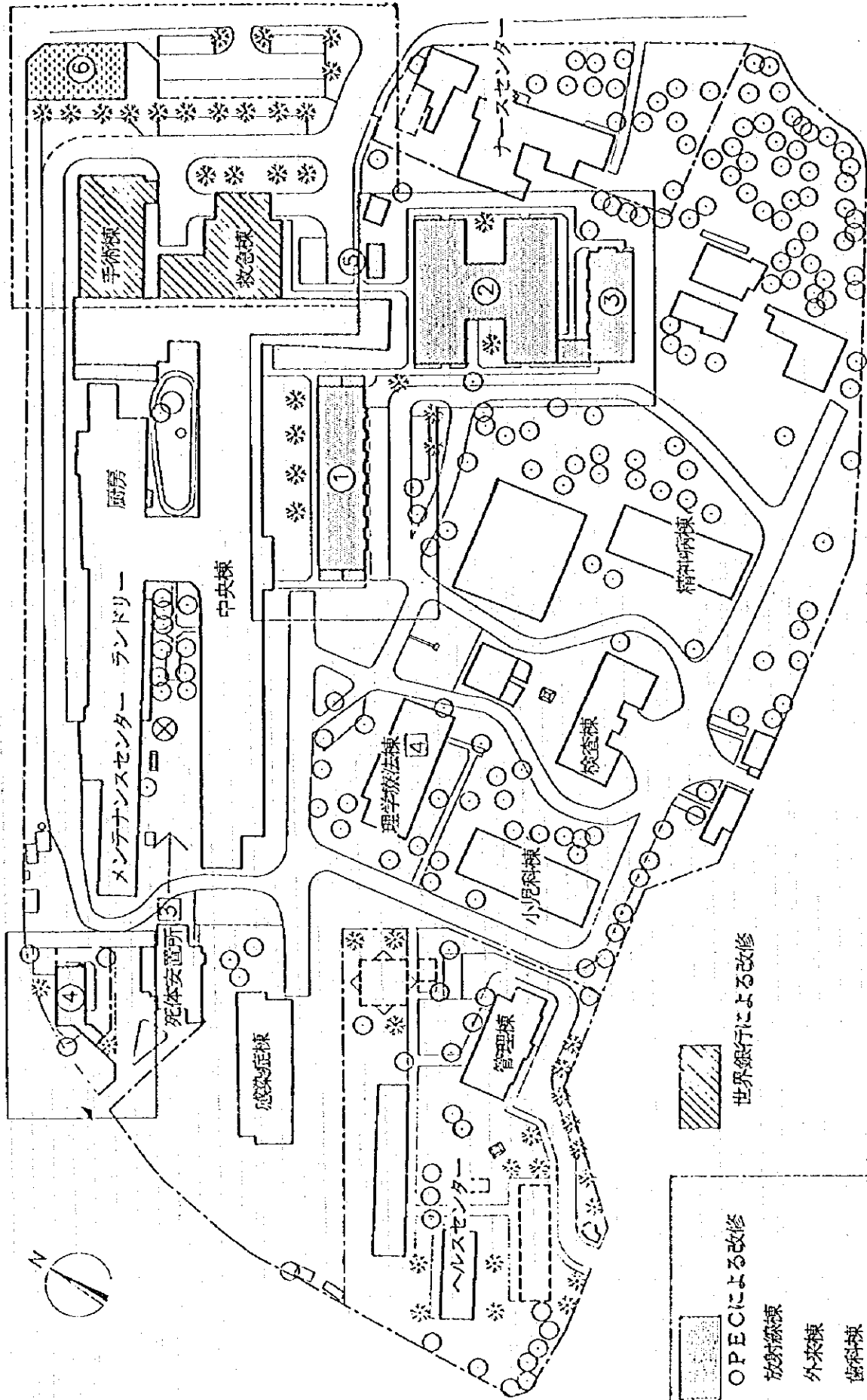
1. Provide data and information necessary for the Project.
2. Provide storage of the equipment and temporary offices during the execution of the Project.
3. Ensure at the port of discharge quick arrangements for unloading articles purchased for the Project, pay import duties, arrange customs procedures, and efficient inland transport.
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10 配置図



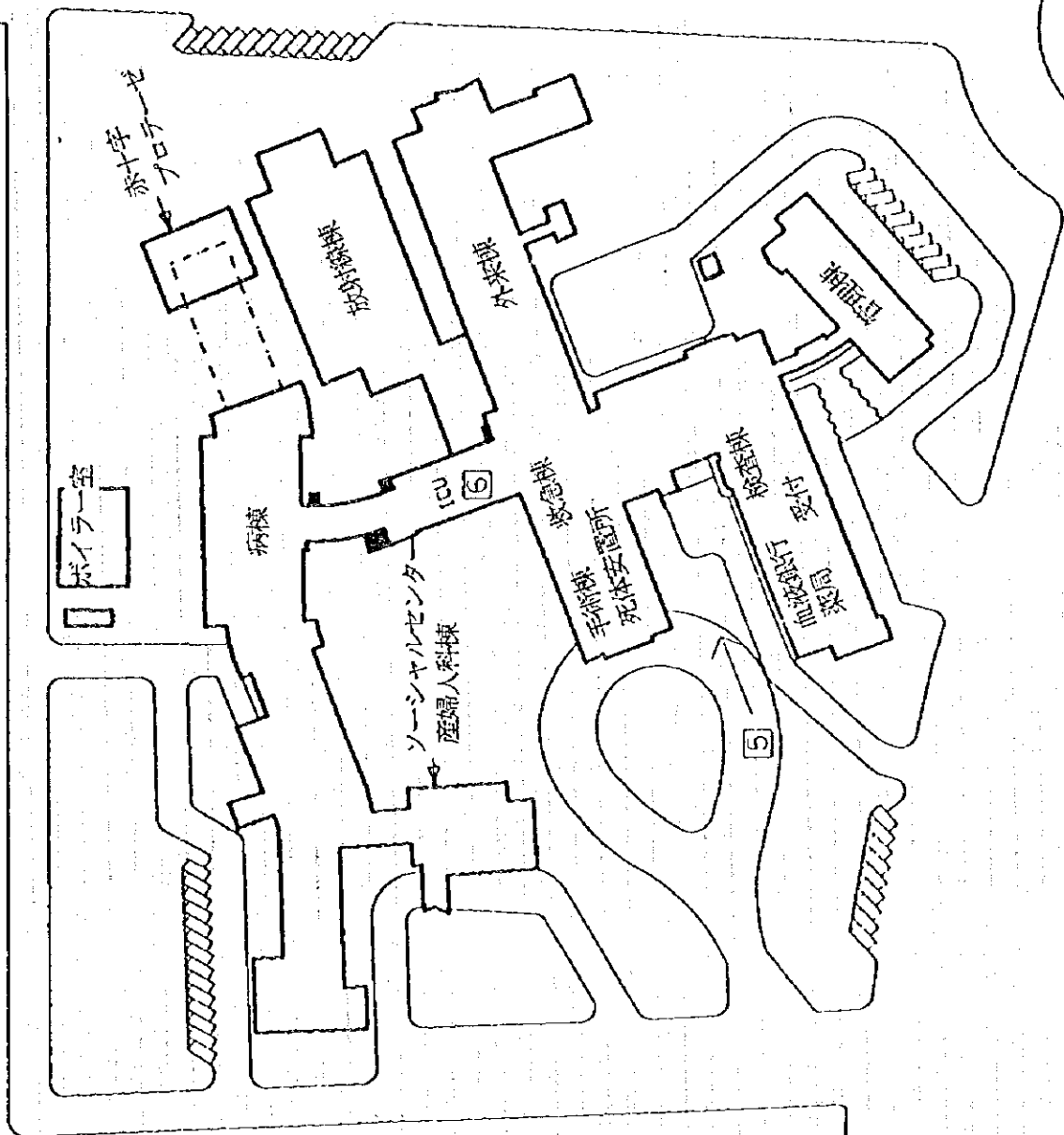


マプト中央病院



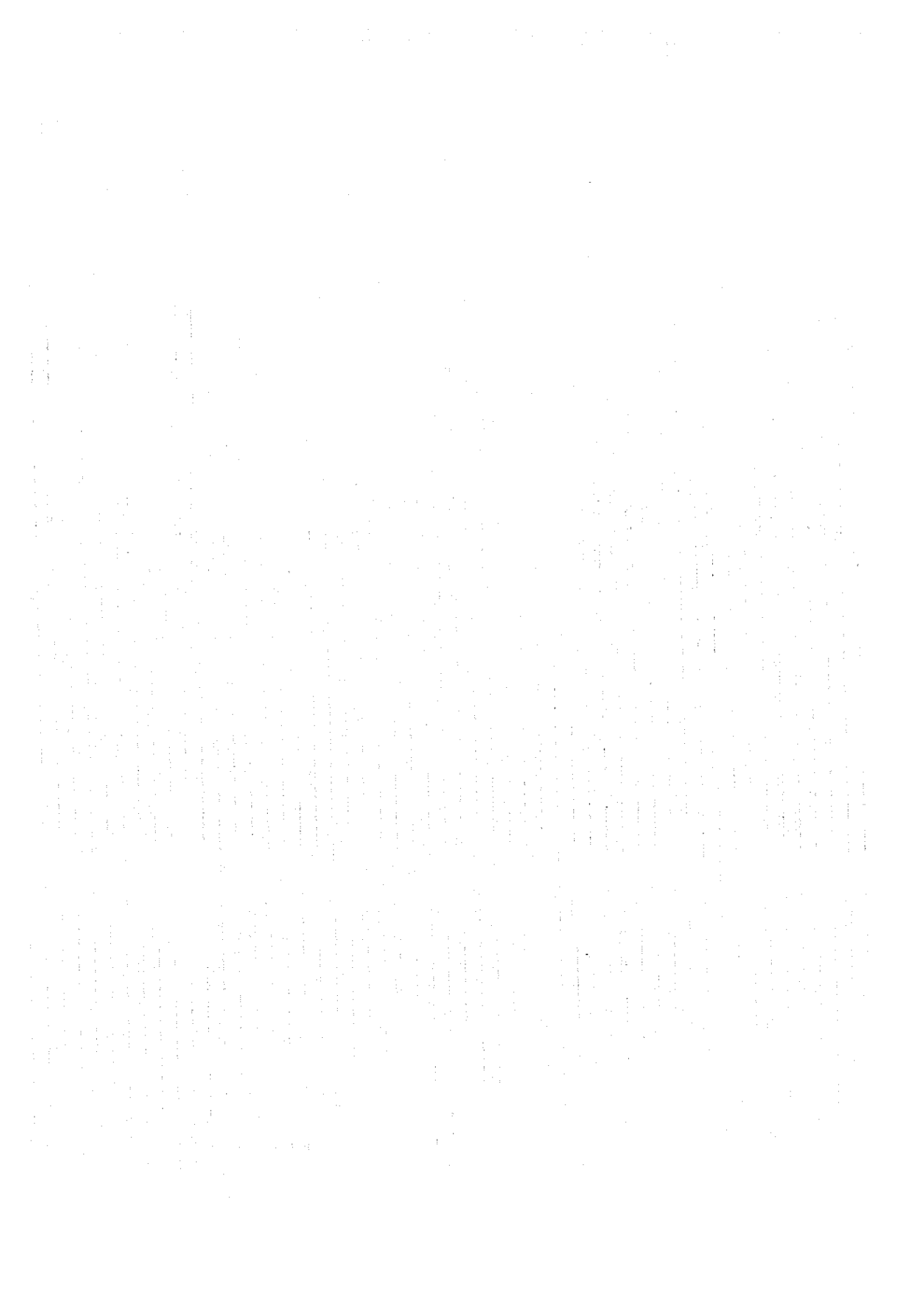
ベイラ中央病院

	PECによる改修
	放射線棟
	外来棟
	歯科棟
	廃棄物貯蔵庫
	変電・発電室
	貯水タンク
	世界銀行による改修

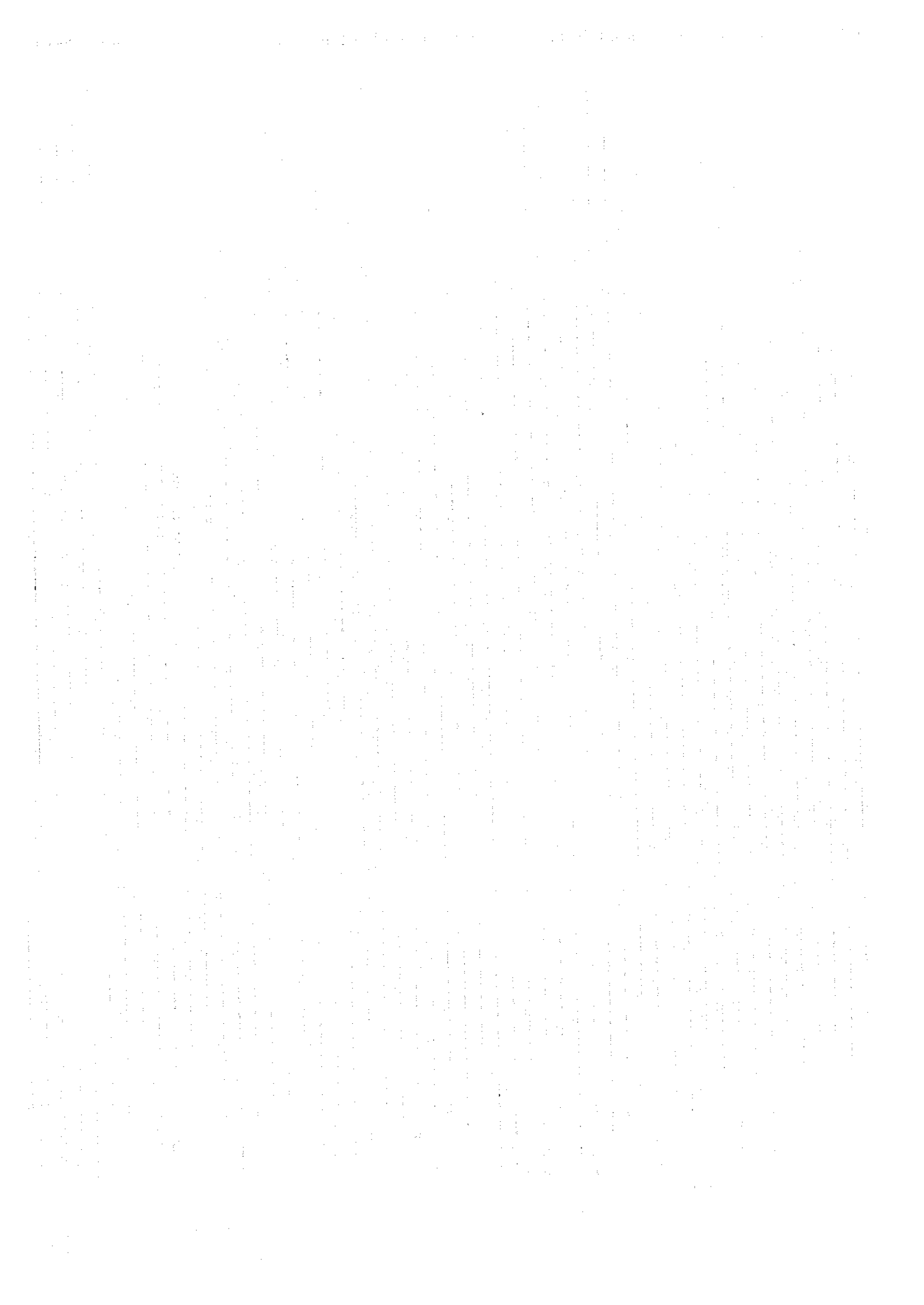


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