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吳忠仁官提出

APPLICATION
FOR

THE IMPROVEMENT AND EXPANSION OF FACILITIES
AT RED CROSS HOSPITALS AND BLOOD CENTERS

TO

THE OVERSEAS TECHNICAL CO-OPERATION
AGENCY OF JAPAN

THE REPUBLIC OF KOREA
NATIONAL RED CROSS

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I. NAME OF PROJECT

Improvement and expansion of Red Cross Hospitals and Blood Centers.

II. IMPROVEMENT OF HOSPITAL FACILITIES

a. Purpose

- 1) The Republic of Korea National Red Cross runs Seoul Red Cross Hospital and Incheon Tuberculosis Sanatorium under its headquarter's operation, and 12 hospitals under the operation of the Society's 10 Chapters. Nine of these hospitals were established after the World War II.

(See Annex 1)

- 2) The Republic of Korea National Red Cross provides medical treatment at comparatively low cost or free of charge at the hospitals they offer mobile clinics to remote areas.

(See Annex 2, the record of patients treated during the year of 1971)

- 3) Financial resources of these Red Cross hospitals are dependent on the hospitals' income and subsidy given by the Headquarters and Chapters. While there is little increasing in hospitals' income, operational costs increase every year, and the Society is facing tremendous difficulties in meeting the demands of assistance. (See Annex 3, the outline of income and Expenditures of hospitals during 1971)
- 4) The medical equipments being used by these hospitals are worn out and need to be replaced and supplemented.

b. List of Requiring Equipments

Dept. requiring equipments	Items	Type	Amount	Cost	Total Cost	Remarks
1. Laboratory	Centrifuge		7	1,360	9,520	1. in US\$ dollar
"	Microscope		7	500	3,500	2. estimated cost
"	Dryoven		5	240	1,200	
"	Incubator		7	400	2,800	
2. Medicine Internal	Suction		12	650	7,800	
"	E. K. G		6	830	4,980	
"	Oxygen Meter		3	350	1,050	
3. Surgery	Anesthetic Apparatus		13	1,500	19,500	
"	Operation Table		13	450	5,850	
"	Shadowless Lamp		9	2,500	22,500	
"	Dermatome		8	220	1,760	
"	Coloscope		5	140	700	

Dept. requiring equipments	Items	Type	Amount	Cost	Total Cost	Remark
. Surgery	Proctoscope		2	45	90	
4. Obstetrician	Vacuum		4	650	2,600	
5. Otorhinolaryngology	Esophagoscope		1	200	200	
"	Laryngoscope		1	120	120	
6. Others	Ambulance		14	8,000	112,000	
"	Generator	10 Kw	11	3,000	33,000	
"	Refrigerator		15	1,000	15,000	
"	X-Ray Machine		13	10,000	130,000	
"	Wheel Chair		16	90	1,440	
	Total		172		₹ 375,610	

C. Equipments Required per Year and Organization

1) First Year

Depts. Requiring Equipments	Items	Cost	Tong-young Hospital		Dae-gu Hos.		Dae-jon Hos.		Jon-ju Hos.		Kwang-ju Hos.		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
1. Laboratory	Centrifuge	1,360	-	-	1	1,360	-	1,360	1	1,360	1	1,360	4	5,440
"	Microscope	500	1	5	1	500	-	-	-	-	1	500	3	1,500
"	Dryoven	240	-	-	-	-	1	240	-	-	1	240	2	480
"	Incubator	400	1	400	-	-	1	400	1	400	1	400	4	1,600
2. Medicine Internal	Suction	650	1	650	1	650	1	650	1	650	1	650	5	3,250
"	E. K. G	830	1	830	1	830	1	830	-	-	1	830	4	3,320
"	Oxygen Meter	350	1	350	-	-	-	-	-	-	-	-	1	350
3. Surgery	Anesthetic Apparatus	1,500	1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	5	7,500
"	Operation Table	450	1	450	1	450	1	450	1	450	1	450	5	2,250
"	Shadowless Lamp	2,500	1	2,500	-	-	-	-	-	-	1	2,500	2	5,000
"	Dermatome	220	1	220	1	220	-	-	-	-	1	220	3	660
"	Coloscope	140	1	140	1	140	-	-	1	140	-	-	3	420
"	Proctoscope	45	-	-	-	-	-	-	-	-	-	-	-	-

Dents. Requiring Equipments	Items	Cost	Tong- young Hospital		Dae-gu Hos.		Dae-jon Hos.		Jon-ju Hos.		Kwang-ju Hos.		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
4. Obstetrician	Vacuum	650	-	-	1	650	-	-	-	-	1	650	2	1,300
5. Otorhinolaryngology	Esophagoscope	200	-	-	1	200	-	-	-	-	-	-	1	200
"	Laryngoscope	120	-	-	1	120	-	-	-	-	-	-	1	120
6. Others	Ambulance	8,000	1	8,000	1	8,000	1	8,000	1	8,000	1	8,000	5	40,000
"	Generator	3,000	1	3,000	1	3,000	1	3,000	1	3,000	1	3,000	5	15,000
"	Refrigerator	1,000	1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	5	5,000
"	X-Ray Machine	10,000	1	10,000	1	10,000	1	10,000	1	10,000	1	10,000	5	50,000
"	Wheel Chair	90	1	90	1	90	1	90	1	90	1	90	5	450
	Total		15	29,630	16	28,710	12	27,520	11	26,590	16	31,390	70	143,840

2) Second Year

Depts. Requiring Equipments	Items	Cost	Seoul Hospital		Fusan Hospital		Kechang Hospital		Kyung-ci Hos.		Chunchon Hos.		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
1. Laboratory	Centrifuge	1,360	-	-	-	-	-	-	1	1,360	1	1,360	2	2,720
"	Microscope	500	-	-	1	500	1	500	-	-	-	-	2	1,000
"	Dryoven	240	1	240	1	240	-	-	1	240	-	-	3	720
"	Incubator	400	1	400	1	400	-	-	-	-	-	-	2	800
2. Medicine Internal	Suction	650	1	650	-	-	1	650	1	650	1	650	4	2,600
"	E. K. G	830	1	830	-	-	1	830	-	-	-	-	2	1,660
"	Oxygen Meter	350	-	-	-	-	1	350	-	-	-	-	1	350
3. Surgery	Anesthetic Apparatus	1,500	-	-	1	1,500	1	1,500	1	1,500	1	1,500	4	6,000
"	Operation Table	450	1	450	1	450	1	450	1	450	1	450	5	2,250
"	Shadowless Lamp	2,500	1	2,500	1	2,500	1	2,500	1	2,500	1	2,500	5	12,500
"	Dermatome	220	1	220	1	220	-	-	1	220	1	220	4	880
"	Coloscope	140	-	-	-	-	1	140	-	-	-	-	1	140
"	Proctoscope	45	1	45	-	-	-	-	-	-	-	-	1	45

Depts. Requiring Equipments	Items	Cost	Seoul Hos.		Pusan Hos.		Kechang Hos.		Kyung-ki Hos.		Chunchon Hos.		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
4. Obstetrician	Vacuum	650	-	-	-	-	-	-	-	-	-	-	-	-
5. Otorhinolaryngology	Esophagoscope	200	-	-	-	-	-	-	-	-	-	-	-	-
"	Laryngoscope	120	-	-	-	-	-	-	-	-	-	-	-	-
6. Others	Ambulance	8,000	1	8,000	1	8,000	1	8,000	1	8,000	1	8,000	5	40,000
"	Generator	3,000	-	-	1	3,000	1	3,000	1	3,000	1	3,000	4	12,000
"	Refrigerator	1,000	2	2,000	1	1,000	1	1,000	1	1,000	1	1,000	6	6,000
"	X-Ray Machine	10,000	1	10,000	1	10,000	1	10,000	1	10,000	1	10,000	5	50,000
"	Wheel Chair	90	2	180	1	90	1	90	1	90	1	90	6	540
	Total		14	25,515	12	27,900	13	29,010	12	29,010	11	28,770	62	140,205

3) Third Year

Depts Requiring Equipments	Items	Cost	Inchon Sanatorium		Mokpo Hospital		Sang-ju Hospital		Chung-ju Hospital		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
1. Laboratory	Centrifuge	1,360	-	-	-	-	1	1,360	-	-	1	1,360
"	Microscope	500	-	-	-	-	1	500	1	500	2	1,000
"	Dryoven	240	-	-	-	-	-	-	-	-	-	-
"	Incubator	400	-	-	1	400	-	-	-	-	1	400
2. Medicine Internal	Suction	650	-	-	1	650	1	650	1	650	3	1,950
"	E. K. G	830	-	-	-	-	-	-	-	-	-	-
"	Oxygen Meter	350	-	-	-	-	1	350	-	-	1	350
3. Surgery	Anesthetic Apparatus	1,500	1	1,500	1	1,500	1	1,500	1	1,500	4	6,000
"	Operation Table	450	-	-	1	450	1	450	1	450	3	1,350
"	Shadowless Lamp	2,500	-	-	1	2,500	1	2,500	-	-	2	5,000
"	Dermatome	220	-	-	-	-	1	220	-	-	1	220
"	Coloscope	140	-	-	-	-	1	140	-	-	1	140
"	Proctoscope	45	-	-	-	-	1	45	-	-	1	45

Dents Requiring Equipments	Items	Cost	Inchor. Sanatorium		Mokpo Hospital		Sang-ju Hospital		Chung-ju Hospital		Total	
			Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
4. Obstetrician	Vacuum	650	-	-	-	-	1	650	1	650	2	1,300
5. Otorhinolaryngology	Esophagoscope	200	-	-	-	-	-	-	-	-	-	-
"	Laryngoscope	120	-	-	-	-	-	-	-	-	-	-
5. Others	Ambulance	8,000	1	8,000	1	8,000	1	8,000	1	8,000	4	32,000
"	Refrigerator	1,000	1	1,000	1	1,000	1	1,000	1	1,000	4	4,000
"	X-Ray Machine	10,000	-	-	1	10,000	1	10,000	1	10,000	3	30,000
"	Generator	3,000	-	-	1	3,000	1	3,000	-	-	2	6,000
"	Wheel Chair	90	2	180	1	90	1	90	1	90	5	450
Total			5	10,680	10	27,590	16	30,455	9	22,840	40	91,565

d. Project Effect

1. Qualities of medical treatments will be improved.
2. Numbers of patients will increase.
3. Mobile clinics will be more activated to give treatments to remote village people.
4. International understanding will be enhanced.

List of Hospitals

(Annex I)

Name of Hospital	No. of Bed	Medical No. of Personnel	Address	Remarks
Seoul Hospital	220	307	1-34 Chungjong-ro, Sudaemun-ku, Seoul	
Inchon Sanatorium	120	60	220 Yonsu-dong, Inchon, Kyunggi-do	
Kyunggi-Hospital	30	32	66-23 Song-hyun-dong, Inchon, Kyunggi-do	Established after W.W.II
Chunchon Hospital	30	13	1-55 Chung-ang-ro, Chunchon, Kangwon-do	
Chung-ju Hospital	3	6	3-65 Bukmun-ro, Chung-ju, Chung-buk	Established after W. W. II
Daejun Hospital	23	20	10-4 Yongdu-dong, Daejun, Chung-nam	"
Jonju Hospital	20	16	476 sobu Kosa-dong, Jonju, Jon-nam	"
Kwangju Hospital	32	24	174 Bullo-dong, Kwangju, Jon-buk	"

Name of Hospital	No. of Bed	Medical No. of Personnel	Address	Remarks
Mokpo Hospital	30	19	1-10 Sang-nak-dong, Mokpo, Jon-nam	Established after W. W. II
Taegu Hospital	50	26	35 Duksan-dong, Taegu, Kyung-buk	
Sangju Hospital	30	23	120 Sosong-dong, Sang-ju, Kyung-buk	Established after W. W. II
Pusan Hospital	40	46	116 Jonpo-dong, Pusan, Kyung-nam	
Tong-Young Hospital	27	41	163 Soho-dong, Chungmu, si, Kyung-nam	Established after W. W. II
Kechang Hospital	45	18	74 Sang-dong, Kechang, Kyung-nam	"
Total	700	651		

(Annex 2)

Statistical Record of Patients Treated during 1971

Name of Hospital	No. of Patients				Mobile Clinics	Grand Total	
	Paid	Free	Total	Outpatients			Inpatients
Seoul Hospital	230,730	29,829	260,559	193,939	66,620	540	261,099
Inchon Sanatorium	28,247	6,874	35,121	4,185	30,936		35,121
Kyunggi Hospital	40,581	2,301	42,882	36,966	5,916	6,327	49,209
Chunchon Hospital	12,011	1,232	13,243	12,281	962	1,147	14,390
Chungju Hospital	4,912	5,388	10,300	8,728	1,572	128	10,428
Daejon Hospital	21,685	1,303	22,988	20,138	2,850	924	23,912
Jonju Hospital	10,360	1,277	11,637	9,337	2,300	580	12,217
Kwangju Hospital	42,797	8,988	51,785	47,054	4,731		51,785
Mokpo Hospital	20,470	941	21,411	17,173	4,238	2,094	23,505
Taegu Hospital	29,116	1,541	30,657	28,023	2,634	457	31,114
Sangju Hospital	9,797	944	10,741	8,905	1,836		10,741
Pusan Hospital	57,958	11,613	69,571	64,165	5,406	5,216	74,787
Tong-young Hospital	37,903	5,581	43,484	36,449	7,035		43,484
Kechang Hospital	25,509	1,564	27,073	21,530	5,543	3,836	30,909
Total	572,076	79,376	651,452	508,873	142,579	21,249	672,701

Income and Expenditures of 1971 Budget Year

(Annex 3)

Name of Hospital	Income						Outgo			
	Outpatient	Inpatient	Total	Assistance	* Others	Total	Administrative Fee	Medical Expenses	* Others	Total
Seoul Hospital	111,082,868	283,593,620	394,676,488	34,500,000	2,640,007	431,821,495	92,564,034	311,846,682	27,410,779	431,821,495
Inchon Sanatorium	4,283,885	51,246,455	55,530,340	2,500,000	3,237,486	61,267,826	28,405,148	31,482,833	1,379,845	61,267,826
Kyunggi Hospital	10,750,000	10,410,000	21,160,000	1,600,000	2,899,294	25,659,294	8,810,000	15,130,000	1,719,294	25,659,294
Chunchon Hospital	8,092,800	2,700,000	10,792,800	4,600,000	35,000	15,427,800	7,550,500	7,279,300	598,000	15,427,800
Chung-ju Hospital	1,866,000	1,070,000	2,936,000	1,900,000	29,000	4,865,000	2,444,200	2,221,400	199,400	4,865,000
Daejun Hospital	15,623,000	7,550,000	23,173,000	2,400,000	423,800	25,996,800	7,349,600	17,693,600	953,600	25,996,800
Jonju Hospital	7,800,000	6,176,800	13,976,800	2,500,000	477,000	16,953,800	6,571,000	9,397,800	985,000	16,953,800
Kwangju Hospital	20,926,200	8,495,420	29,421,620	1,102,000	154,500	30,678,120	10,491,000	19,549,770	637,350	30,678,120
Mokpo Hospital	7,249,000	7,300,000	14,549,000	1,000,000	127,000	15,676,000	4,870,000	10,406,000	400,000	15,676,000
Inegu Hospital	16,902,000	6,569,674	23,471,674	2,000,000	1,120,326	26,672,000	9,741,200	16,309,800	621,000	26,672,000
Sangju Hospital	6,750,000	7,247,000	13,997,000	2,250,000	698,000	16,945,000	6,274,000	9,761,000	910,000	16,945,000
Pusan Hospital	36,104,958	15,583,360	51,688,318	1,600,000	667,682	53,956,000	11,950,000	40,398,502	1,607,498	53,956,000
Tong-Young Hospital	24,300,000	15,480,000	39,780,000	1,000,000	360,000	41,140,000	9,057,376	20,042,061	3,040,563	41,140,000
Yecheon Hospital	6,713,280	4,907,500	11,620,780	5,100,000	1,004,220	17,725,000	4,577,900	8,377,400	4,769,700	17,725,000
Total	278,443,991	428,329,829	706,773,820	64,132,000	13,878,315	784,784,135	210,655,958	528,896,148	45,232,029	784,784,135

* Balance carried down, property income, and miscellaneous revenue.

* Reserve fund, property management, and emergency fund.

III. EXPANSION OF BLOOD CENTER FACILITIES

a. Purpose

- 1) The Republic of Korea National Red Cross operates a blood center in Seoul which the Society took over from the Government in 1958.
- 2) The Society, having depended on both paid blood collection and voluntary donation of blood, is now concentrating its efforts mainly on the latter.
The blood collected is distributed to major hospitals free or with charge.
- 3) Increasing demand of blood can not be met with supplies from the above-mentioned one blood center operated by the Society's headquarters. It is desired that the Society have a blood center established at each Red Cross Hospital in the Provincial Capital in the efforts to develop nation wide Blood Program to encourage voluntary donation and to assure sound handling of blood through nation wide network. Facilities and equipments are required to this effect.
(See Annex 1, the statistical information on Seoul Red Cross Blood Center and Places Desired for Blood Banks to be Established.)

b. List of Equipments Required

Items	Type	Amount	Cost	Total Cost	Remarks
Blood Donor Mobile Unit		10	17,600	176,000	for ten centers
Refrigerator		10	1,000	10,000	"
Microscope		10	500	5,000	"
Centrifuge		10	200	2,000	"
Dry Oven		10	240	2,400	"
Autoclave		10	800	8,000	"
Incubator		10	400	4,000	"
Waterbath		10	500	5,000	"
			U S \$	212,400	

Equipments Required per Year and Organization

First Year

Items	Cost	Pusan Blood Center		Taegu Blood Center		Jonju Blood Center		Kwangju Blood Center		Total	
		Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
Blood Mobile Unit	17,600	1	17,600	1	17,600	1	17,600	1	17,600		
Refrigerator	1,000	1	1,000	1	1,000	1	1,000	1	1,000		
Microscope	500	1	500	1	500	1	500	1	500		
Centrifuge	200	1	200	1	200	1	200	1	200		
Dry oven	240	1	240	1	240	1	240	1	240		
Autoclave	800	1	800	1	800	1	800	1	800		
Incubator	400	1	400	1	400	1	400	1	400		
Waterbath	500	1	500	1	500	1	500	1	500		
Total		8	21,240	8	21,240	8	21,240	8	21,240	32	84,960

Second Year

Items	Cost	Taejon Blood Center		Soowon Blood Center		Chunchon Blood Center		Chungju Blood Center		Total	
		Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
Blood Mobile Unit	17,600	1	17,600	1	17,600	1	17,600	1	17,600		
Refrigerator	1,000	1	1,000	1	1,000	1	1,000	1	1,000		
Microscope	500	1	500	1	500	1	500	1	500		
Centrifuge	200	1	200	1	200	1	200	1	200		
Dryoven	240	1	240	1	240	1	240	1	240		
Autoclave	800	1	800	1	800	1	800	1	800		
Incubator	400	1	400	1	400	1	400	1	400		
Waterbath	500	1	500	1	500	1	500	1	500		
Total		8	21,240	8	21,240	8	21,240	8	21,240	32	84,960

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Third Year

Items	Cost	Seoul Blood Center		Jeju Blood Center		Total	
		Amount	Cost	Amount	Cost	Amount	Cost
Blood Mobile Unit	17,600	1	17,600	1	17,600		
Refrigerator	1,000	1	1,000	1	1,000		
Microscope	500	1	500	1	500		
Centrifuge	200	1	200	1	200		
Dryoven	240	1	240	1	240		
Autoclave	800	1	800	1	800		
Incubator	400	1	400	1	400		
Waterbath	500	1	500	1	500		
Total		8	21,240	8	21,240	16	42,480

Note: Equipments required at 9 Blood Center except Seoul Blood Center
are all for new establishments.

d. Project Effect

1. Nationwide Blood Center network will help to meet blood demand through voluntary donation of blood.
2. The better medical treatment will be made.

1. Blood collected (1971)

Paid collection 35,000 bottles

Voluntary donation 3,000 bottles

2. Income and Expenditures (1971)

Income		Expenditures	
Disposal of blood collected	87,120,000.-won	Administrative fee	21,300,000.-won
Subsidy	10,300,000.-won	Medical Service	84,118,600.-won
Balance	7,814,644.-won	Reserving	1,456,400.-won
Property income	2,525,356.-won	Others	885,000.-won
Total	107,760,000.-	Total	107,760,000.-

Places Desired for Blood Banks to be Established

Name of Bank	Place	Remarks
Pusan Red Cross Center Blood	116 Jonpo-dong, Pusan	Attached to each Red Cross Hospital
Taegu "	35 Duksan-dong, Taegu	
Jonju "	476 Kosa-dong, Jonju	
Kwangju "	174 Bullo-dong, Kwangju	
Taejon "	10-4 Yongdu-dong, Taejon	
Inchon "	66-23 Songhyun-dong, Inchon	
Chunchon "	1-55 Jungang-ro, Chunchon	
Chungju "	3-65, Bukmun-ro, Chungju	
Jeju "	1324 Ido-dong, Jeju	

IV. Others

1971 Annual Report (Attached)

Estimation of Domestic Resources
Required at 9 Blood Centers

Items	Budget	Remarks
Site (297 m ²)	63,000,000	297m ²
Building	45,000,000	297 m ²
Personel expenditures	43,200,000	9 doctors: 18 nurses 18 technicians 27 administrative staff
Installation cost and others	20,000,000	per annum
Total	171,200,000	171

Note: The above expenditures are borne by the Red
Cross together with the government subsidy.