REPUBLIC OF THE PHILIPPINES

THE HOSPITAL DEVELOPMENT PROJECT

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JAPAN INTERNATIONAL COOPERATION AGENCY

CHAPTER VI

CONSTRUCTION PLAN

CONTENTS

VI-1 ORGANIZATION

1. Project Promotion Organization

This project has the following features:

1) 19 facilities located throughout Northern Luzon with a total of 3,175 beds, and a total floor area of 130,200 m^2 are covered.

2) Both the facilities housing that complex of functions called a hospital, and the housing facilities for the staff working there must be planned.

3) The facilities, internal make up will change, as new methods of health care and medical engineering accompanying changes in diagnosis and treatment technique and new technology, materials and systems such as MBE (Medical and Biological Engineering) and radiological treatment are introduced. Nevertheless, the facilities make-up, scale and layout must be decided upon, even as the changes are being forcast.

4) Most of the hospitals which carried out this study are wishing for the rapid development of modern medical facilities.

For something on this large a scale, with such complex contents, where the staff is faced with many yet unknown elements and a vast amount of information which must be firmly grasped, and selected, and where re-building work must carried out within a short period of time compared to the quantity of information involved, a systematicized plan of organization is needed.

Further, in order to deal with the present situation observed in this study, where difficulty in obtaining construction materials and budget insufficiencies, etc. cause stoppages in the construction of hospitals and other public facilities -- we saw, here and there abandoned construction sites -- and shortages in the cement supply can double the black market price within the period of a month, a system which can normally guarantee a sufficient supply at stable price of building materials such as cement, steel reenforcements, concrete blocks, lumber, roofing supplies, fixtures and finishing materials, and construction labor must be studied and implemented. Moreover, a system not only for ordering and buying in quantity of materials for electrical installations and equipment and medical and other equipment but for the planned procurement of parts and material in the future for their maintenance must be designed.

Thus, this project can not afford not to include the systematization of its execution as well as of its planning.

2. Composition of the Project Team

The organization of the persons involved in the project, that is the team composition, comprises the "owner's position", "user's position and "producer's position".

The so-called "owner's position" is occupied by the Philippine DOH. It doesn't only own the buildings, but has the mandate to continuously put these buildings to good use providing health care services to the people for years into the future.

The so-called "user's position" is directly speaking, the physicians nurses & other personnel who are in the position of carrying out the work of providing health care services within the facilities, and the patients, or persons who are in the position of receiving these services. However it is also possible for physicians and nurses who care for out-patients during regular hours to be considered in this position.

The so-called "producer's position" is occupied by the general contractors, major sub-contractors, and the manufacturers of the construction materials and medical equipment.

Now, what position is occupied by the planners?
They belong to the "owner's" side in the case of planning and plan formulation; yet they probably should be responsible for setting the standards for hospital performance and functioning as required by the "users". Further, the planner has the job of checking to see whether or not the work is being executed as per the blueprints and whether it will be completed within the decided upon time period -- that is, he is responsible for the quality control at the site of the manufacture of that product called hospital facilities.

As the planners occupy all 3 standpoints, the project Managers (P.M. from now on) must perform the extremely important role of exploiting their knowledge and experience to the fullest in managing the Project as a whole.

The actual composition of the Project Team which forms the central axis for the Project Coordinating Committee is made up of responsible "owners", planners, and hospital management consultants.

As a working group for the creation of data for use in making judgements, it must be given a multi-faceted structure comprising among others sectional-groups for each field -- planning, organization, equipment, and construction implementation -- specialist consultant sub-groups on medical equipment, hospital management administration etc., and sub-groups to study the project from

the point of view of management administration, all of which groups are participating in the planning and giving feed-back on the problems encountered.

The Project Coordinating Committee's members and working group members are as follows:

1) Project Coordinating Committee --- This is the body of final determination on matters dealing with the execution of the project. Participating members are to be composed of handful of persons including.

   - o DOH Project Representative
   - o NEDA Project Representative
   - o P.M. Staff - An architect with in-depth experience in hospital planning
   - o Hospital management administration consultant

2) Working Group --- This group is to provide the Project Coordinating Committee with the information it needs to make judgements and according to the decisions of the Committee to form teams of specialists to advance the planning and execution of the project.

   The various teams and their members are:

   (1) Planning Team --- the body in charge of basic planning and effectuating the implementation of the plan. The members of this body, which forms the heart of the Working Group are:

      - o P.M.
      - o Architects --- Architects who are DOH Project-Team members and possess ample experience in hospital planning and assistants.
      - o Engineers --- Engineers with in-depth hospital planning experience, specializing in structural (civil), electrical installation, sanitation and air condition systems engineering.
      - o Medical Equipment Consultants --- Persons with indepth experience in hospital planning with expertise on all types of medical equipment.

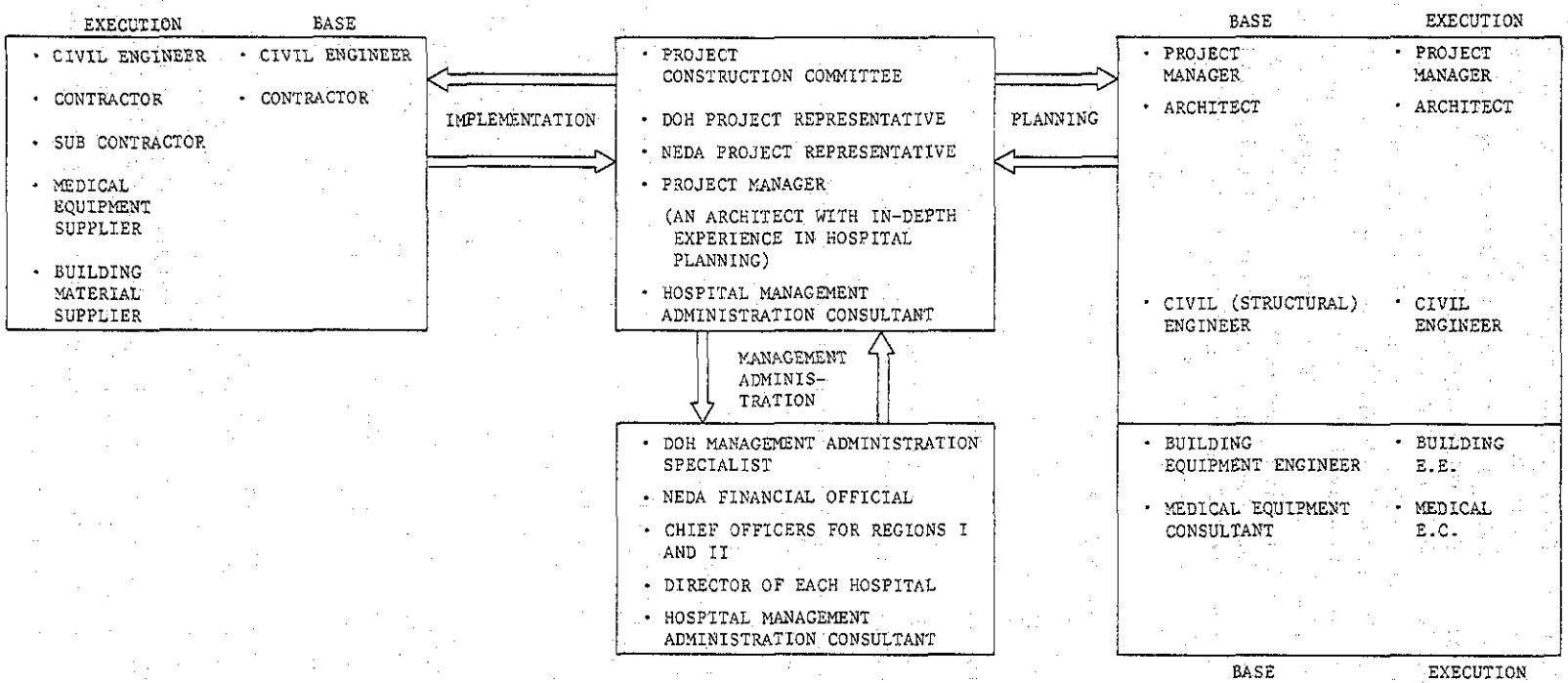
   (2) Construction Implementation Team --- This team is not strictly restricted to overseeing the construction of the facilities; it supplies advise on the basis of its specialized knowledge and experience in construction techniques. It also immediately provides feedback to

the planning team when problems arise at the implementation stage in order that the plans may be improved upon, together with promoting the rationalization of the construction. At the same time, it studies how to guarantee the provision of construction materials, the time period for procurement and installation and method of installation.

- o Engineers --- on-site supervisor, someone possessing experience in on-site hospital construction supervision.
- o Contractors --- General or sub-contractor possessing knowledge and experience.
- o Construction materials producers --- representatives of producers direct selling their products -- cement, steel reenforcing rods, etc. -- for large quantity use.
- o Representatives of medical equipment manufacturers.

(3) Management Administration Team --- sets policies for all hospital management administration, and gives feed back to facility's planning.

- o DOH Specialists in management administration
- o NEDA official in charge of finances
- o Hospital management administration consultants
- o Chief officers for Regions I and II
- o Director of each hospital



ORGANIZATION OF PERSONS INVOLVED IN THE PROJECT

3. Project Coordinating Committee

This is not only the highest deliberating body within the Project Team; it also must explain the contents of the Project, its progress and the way its budget is being spent to the DOH and related government o-fices and institutions as well as lending institutions, and with their approval, together with coordinating matters having a bearing on more than one government office, and promoting the establishment of a system of coperation between the construction industries, construction material producers, medical equipment manufactures and other private enterprises. It is desireable for Committee members to derive their authority from Special Presidential mandate (R.D.). With this it will be easy to obtain cooperation from all concerned.

The actual work involved in this system is:

1) Final plan approval

2) Drawing up the budget, disembursing the funds

3) Obtaining the final decision and approval of the contractors and material suppliers

4) Permission to proceed with the construction of the new facility

4. Planning Team

The Planning Team comprises of architects, engineers, medical equipment consultants and a Project Managers who hold the final responsibility. The Team is further broken down into 19 planning teams, one for each hospital and a Standardization Planning Team which studies matters common to the 19 teams. With the Standards Plan created by this study as the base, information with common concern which surfaces in the course of applying these standards to each hospital or in the event a hospital is restudied is fed back to the Standardization Planning Team. Then, the Individual Hospital Planning Teams are fed back this reexamined material. Thus, the organization increases the level of intensity of the planning process.

The following Figure illustrates one such example. With the interaction of the Individual Hospital Planning Teams on the horizontal axis and the Standardization Planning Teams on the vertical axis, and with the staff of the Individual Hospital Teams serving as well on the Standardization Planning Team staff, pertient common information can be completely grasped and it is possible for the standards to be properly applied to the individual hospital plans.

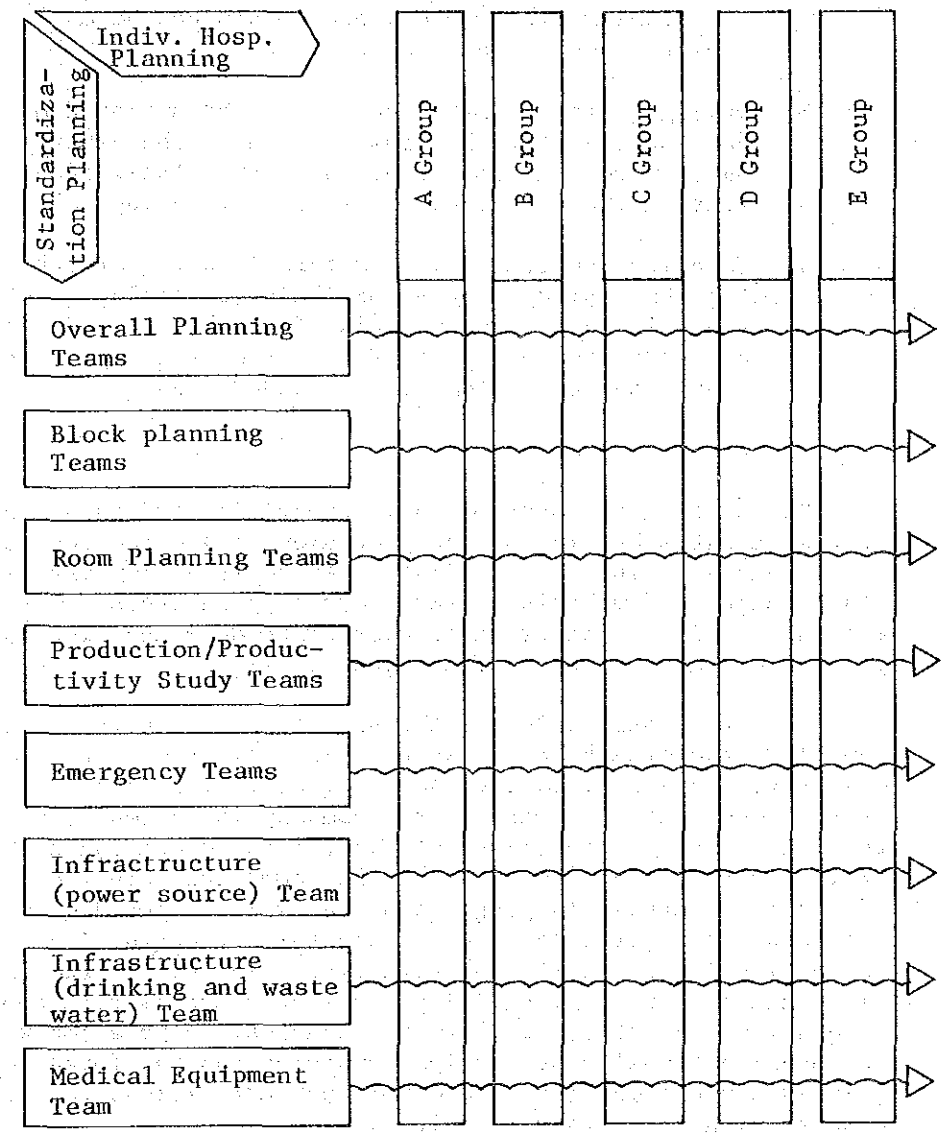
Speaking concretely, through the following steps the plan can be carried forward from basic planning to implementation planning.

1) Studying the quality of the ground foundation base

2) Further-studying of proposed hospital plan

3) Briefings on the use of each hospital

Designing can thus proceed from basic designing through implementation designing.



5. Construction Implementation Team

At the time of planning the following studies will be carried out based upon previously discussed material.

1) The unification of construction standards for facilities construction -- the architecture, civil engineering, external works, electrical installations, water works and air condition equipment -- and design standards for the supervision of the construction.

2) Restudying points where current construction techniques are problematic, where improvements can be made, and construction methods rationalized.

3) Making quality control checks of the building material, and material for the construction of the electrical, water work, air condition, and other facilities, and setting the tolerance limits for standards.

4) Checking the quantity of materials being produced in the Philippines, the amount being imported, quantity of goods in the course of being distributed, and the prices, and studying the system for keeping the supply prices stable and guaranteeing the needed quantity.

5) Progress plan

The setting of construction, supervision and goods qualitity standards has a bearing on the precision with which the facilities are completed. The rationalization of construction practices, stable supply of materials, and progress plan prevent wasteful extensions of the construction completion date and also make the planned disembursement of funds possible.

Moreover, standards for the selection of contractors, producer-suppliers and others are drawn up. The selection standards will be objectively drawn up to include material taking account of the size of the construction contracts the company is currently handling, their history of accomplishments in the field and the number of engineers they have. From among the companies selected on the basis of strict impartial judging, companies will be awarded contracts according to their bids on each hospital. Construction techniques may be lagging a bit in the provincial area, but in the Capital City, Manila, 20 story buildings have been constructed and large hotels line the streets. Through technical cooperation with Japan and other nations' construction companies and the formation of joint-venture companies, and other such activities, the level of construction technology is quite impressive.

6. Management Administration Team

From the guiding principles of overall hospital management administration -

1) Re-check of the makeup and scale of the medical care.

2) Re-check of the Personnel Deployment Plan

3) Re-check of the way which the hospital facilities will be utilized and suggestions. Giving pertinent advice concerning these matters to the planning Team.

VI-2 CONSTRUCTION COST

In the recent cases obtained from BPW, the construction costs of civil works of hospital extend from 1,650 P/m^2 in the case of Naguilian Emergency Hospital to 1,926 P/m^2 in the case of Quirino Provincial Hospital which is included in this project. Further, in The Project for the Strengthening of Rural Health Services which the Department of Health is carrying out with the aid of the World Bank, the cost was 1,825 P/m^2 in 1977, the first year of the project, but it is now exceeding 2,000 P/m^2.

Details of the Construction Cost

The construction cost is comprised of the direct work expenses such as material expense, labor expense, equipment expense, etc. and indirect expenses such as profit (10%) of the contractor, reserve fund, tax (6%), etc. The proportion of the direct expenses to the indirect expenses is about 7:3. Further, in the direct expenses, the proportion of the material expense to the labor expense is 10:3. Further, when the direct work expenses are classified into the building work expense, electrical equipment work expense and water and sanitary equipment work, their proportions are 80 ∿ 85%, 7 ∿ 10% and 4 ∿ 8% in the order listed.

VI-3 WORK ARTS AND CONSTRUCTION MATERIALS

1. Work Arts

In the Capital Manila, high rising buildings of about 20 stories and construction sites of high rising buildings with cranes installed are often seen in the central area of the city. Thus, it seems that the capacity for working large scale buildings is well provided but that problems are more or less involved in the management of techniques as well as products in minute parts. For example, they are failure in placing concrete resulting in exposed reinforcing bars, improper process control resulting in disorder of the processes and inadequate place of installation of ventilation ducts.

Further, although not related directly to the work arts, it is not rare that the materials become suddenly unobtainable or are delivered not in time so that the work has to be suspended, resulting in failure in completing the work before the date set forth.

2. Construction Materials

Almost all of the building materials such as cement, reinforcement bars and timber and equipment materials such as electric wires and cables, pipes and lighting implements are produced domestically in the Philippines, but the kitchen utensils, washing machines, sanitary equipment, pumps, power generators and refrigerators are imported. For the construction materials, all are obtainable in the Philippines. However, due care should be exercised with respect to securing the required quantities, delivery dates, etc.

VI-4 FLUCTUATION OF THE CONSTRUCTION COST

1. Fluctuation in the Prices of Construction Materials

As seen from Fig. VI-4-1, the prices showed a rather settled movement until the middle of the last year. But, in and after the latter half of the last year, they, showed an increasing trend. Particularly, the price increase of oil by OPEC in this year had an influence on the prices and boosted the prices of cement and round bars. In particular, the cement had its greater part of production directed to export. Consequently, there was a shortage in the country, giving a phenomenon of the price rising as high as twice at 30P/1 bag in the black market. Further, there are materials the supply of which is in the shortcoming side such as timber and also those having the prices raised greatly. Such price fluctuation is likely to continue and will move more greatly hereafter along with the trend of the oil price.

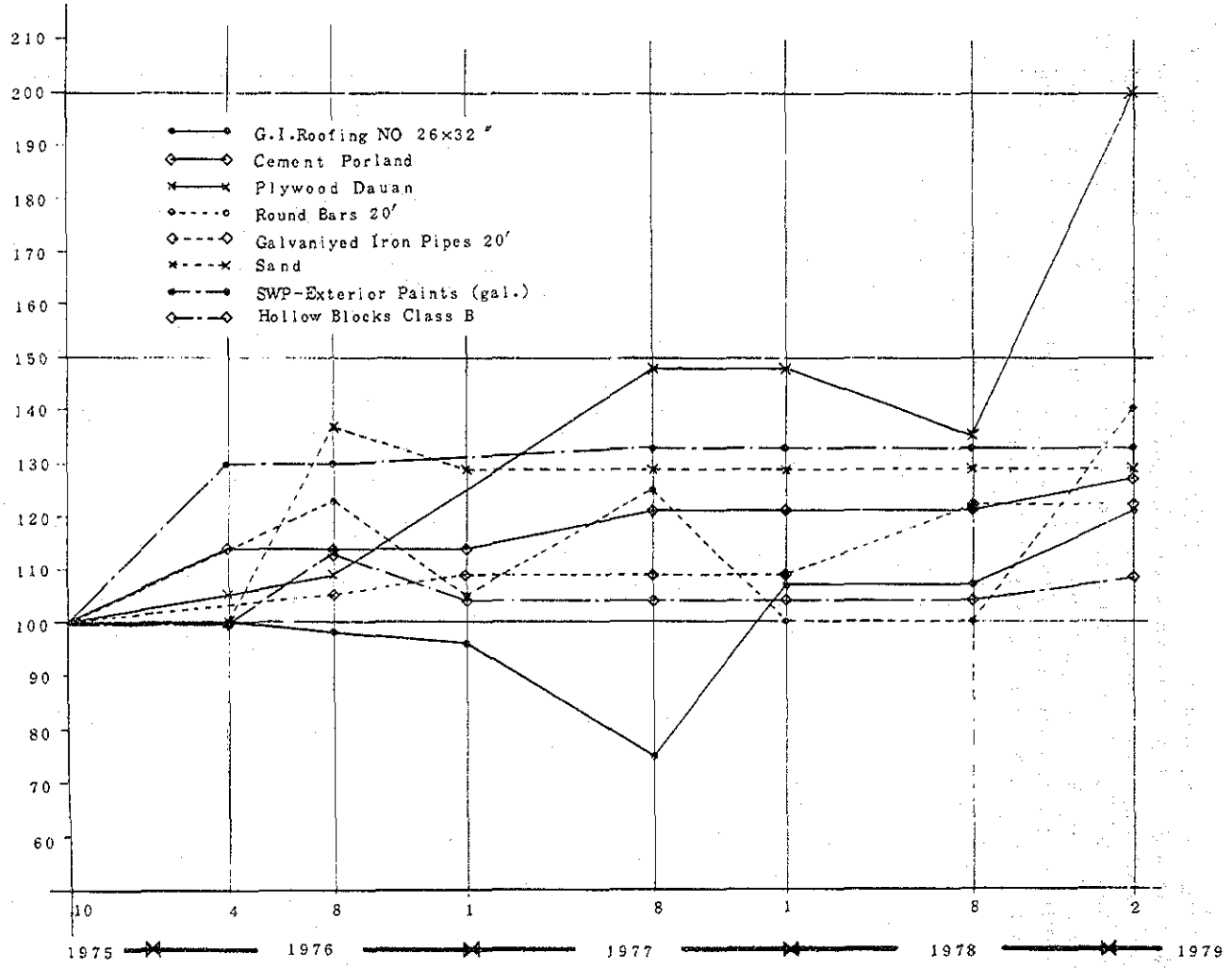


Fig. VI-4-1 INDEX OF CONSTRUCTION MATERIALS
(1975 October = 100)

2. Fluctuation of the Construction Cost

Fig. VI-4-2 shows the consumer price indexes with that of 1972 taken as 100. The mean rate of rise of the commodity prices from 1975 to October 1978 moved at about 8% a year. But, the construction cost of building is in excess of the said rate and is not less than 11% average a year. However, as the prices of construction materials are fluctuating greatly as stated above, the increasing rate will surpass said rate of 11% greatly.

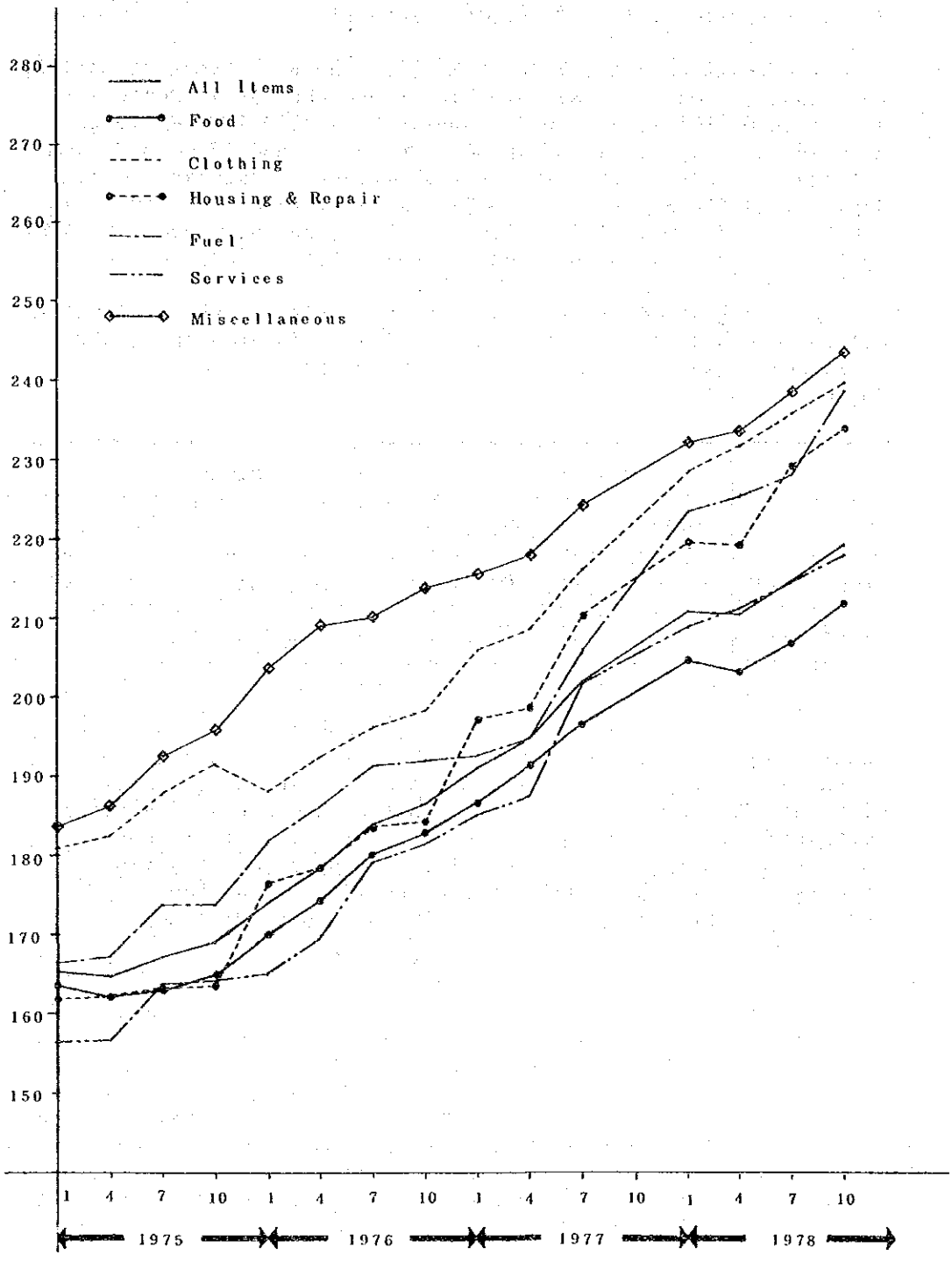


Fig. VI-4-2 CONSUMER PRICE INDEX FOR THE PHILIPPINES
(1972 = 100)

3. Construction Costs of Regions I and II

According to the view of P.M.S. of the Department of Health, the construction materials are higher by about 5% in Region I and by about 10% in Region II than in Manila, while the labor cost is lower by about 10% in both Regions I and II. When such differences are leveled through the entire construction cost, Region I is $(10 \times 1.05 + 3 \times 0.9) \div 13 = 1.015$ and Region II is $(10 \times 1.1 + 3 \times 0.9) \div 13 = 1.054$. Thus, the cost becomes higher by 1.5% in Region I or by 5.4% in Region II.

With regard to the cost of transportation which may cause a problem in obtaining construction materials in provinces, the table below gives the minimum and maximum prices compared in Region I and II.

	Maximum		Minimum	
	Place	Price	Place	Price
Region I	Bontoc	5,940 P/truck	Dagupan	2,905 P/truck
Region II	Aparri	7,867 P/truck	Bam Bang	3,326 P/truck

These figures show the cost of transportation per 12-ton truck. Though adequate survey of the cost of transportation to Batanes in Region II could not be conducted, a freighter with sundries comes once in three months, and perishable foods, soft drinks and alcohol are transported by air. There was a case of chartering a naval vessel to transport construction materials for the provincial office building. The cost of chartering a private vessel is 50,000 peso per 50-tonner.

VI-5 DISTRIBUTION OF MEDICAL EQUIPMENT

1. Present Situation of Medical Equipment Industry

The results of distribution survey for the medical equipment show that most of equipment being manufactured in the Philippines are those used for supplemental work of medical services. Some of examples are instrument and medicine cabinet, dressing cart, instrument table, mobile chart file carriage, wheel stretcher, examination table, food conveyor, simple hospital bed, obstetrical and operating table and simple autoclave. Main parts of these produced are imported and final products are assembled in this country. Therefore, market prices are much cheaper compared to the imported goods.

2. Performance of Domestic Products

When comparing these products to those of Japan, for instance, specifications of the domestic products are almost equal to those discontinued about 20 years ago in Japan. Thus, it is inevitable to say that they have absolutely no quality and functions required for the upgrading purpose shown in the Philippine Health Care System Plan prepared by Republic of Philippines. Because they have no appropriate endurance and are inadequate for executing modern medical technological level. Main objective of these domestic products seems to be a low cost.

3. Influence to Medical Industry

Generally it can be said that market of medical equipment is so narrow that production of small amount of products with a large number of types is inevitable in this industry. It may be too difficult to continuously develop and produce new medical equipment suited to constantly developing medical field. However, in the area of auxiliary medical equipment, it may be possible to stimulate the industry by procuring these auxiliary products conforming to modern medical level from domestic manufactures at the time of execution of the hospital development project since some manufactures are now producing relatively high quality products in other areas in this country. Meaningful economic effect may be expected if such procurement is made for saving foreign currency and for promoting development and improvement of medical equipment industry. These medical products require relatively high percentage of labor so that they are competitive with foreign products.

4. Formation of Market Price of Imported Equipment

Major medical equipment such as examination, treatment and sterilization equipment and medical supplies are mostly imported in this country. These products come mainly from U.S.A., and then from Japan and European countries. In recent years, some product are imported from China. Prices of these products are relatively high except for China. For example, products of Japan are about 10 to 15% higher when imported to Port of Manila compared to those of Japan and about 10 to 30% duty is imposed to products depending upon the type. Then, supplier of these products add service cost, transportation and installation costs, business cost and profit to the products so that final prices charged to final users are about 2.0 to 2.5 times of original prices.

5. Present Situation of Suppliers

According to the stock of suppliers of medical equipment and supplies in City of Manila, basic small items such as forceps and others are stocked at all time (though they are not ample). It is told that major equipment for treatment and examination are imported only after order is received from user. Therefore, it takes a quite time to get these equipment after ordering at present time. And some suppliers handling large and sophisticated equipment employ few technicians for maintenance and technical services but most of them move to other jobs very frequently except key men.

6. Tendering and Procurement

One of important things to be considered during procurement of medical equipment, supplies and furniture is to have the assurance of performance of product for at least one year. In the recent survey conducted, it was frequently found that some equipment was not operating effectively because of lack of proper technical services and that some equipment was not operated because maintenace that should be naturally made by supplier was not performed. This fact indicates that only the suppliers capable to offer such services should be selected for tendering, and specification of equipment to be employed should be shown in more detail as much as possible. Cheap but inferior products must be avoided and eliminated.

VI-6 CONSTRUCTION PLAN AND COST ESTIMATE

1. Guideline for the Implementation Plan

1) Design Plan

The purpose of the present feasibility study is to prepare a standard plan from which a master plan for each hospital may be worked out.

From the following stage onward, the operation moves on to basic design, detail design and construction stages. Basic design commences with the following steps:

- o Survey of the site.
- o Survey of the site foundation.
- o Consultation on the task assigned to each hospital.
- o Problems in each hospital plan to be corrected.

Basic design thus commences with survey and collection of verbal information. The results obtained are once again analysed and studied to be divided into those contents for which standardization is possible and those to be treated individually so that a basic design plan may be prepared.

Preparation of a basic design is an operation to make adjustments between the application of standardization and the contents to be treated individually, while repeating the feed-back of each hospital's requirements, to produce a design plan.

Basic design is study of soft contents such as the task of the hospital, whereas detail design is a means of entering the contents on a plan in concrete terms to create hard objects. The plan not only shows the soft contents but also the method of making, quality of the finished product, accuracy and the necessary cost.

As for the design period, the initial stage in basic design will require four months for the survey and hearing for each hospital. Four months will be required for the second stage to group all hospitals by annual plans and contents are determined for each hospital in each group to complete basic design.

This is followed by detail design to be completed in about six months.

The first phase will require about 12 months from basic design to the completion of detail design. The second phase commences with the second stage of basic design, requiring from five to seven months until the completion of detail design, which will also apply to the third phase.

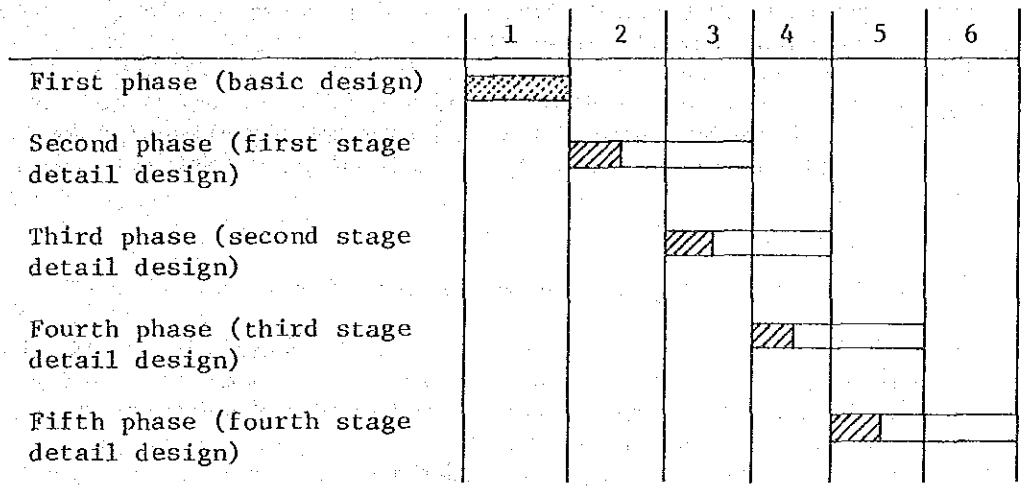


Fig. A: Project schedule

2) Construction Plan

After the completion of detail design, subject to the approval by the project promotion committee, tenders are to be invited. The constructor is to be selected within one or two months so that the contract may be signed to start the construction. It is assumed that the construction will take from 1 to 1/2 years.

With the division of the project into four phases, detail design and construction can proceed simultaneously. A merit of this method is that problems arising at the site may be considered in detail design.

2. Case Study for the Construction Implementation Plan

The present development plan is formulated based on the Philippine Standard, analysis of the Philippine data and the results of the field survey, placing emphasis on the actual aspect of health and medical care services of the Philippines; it is, therefore, in many aspects below the Philippine Standard.

The study of the ratio to and the impact on capital expenditure, current expenditure and national expenditures shows favorable results. However, Development Plan is not so small for the expenditure of the Philippines, and total capital expenditure will amount to 952 million pesos (early August, 1979 at the moment of the additional field survey), for the implementation of Hospital Development Project.

Following too alternative plans (I & II) are studied in this report as implementation plans.

ALTERNATIVE PLAN I : Plan for implementing the entire contents of the Development Project at once (5 years term) and includes as a principle the constructions of the central function of the hospital, like central treatment, laboratory, OPD, ADM, Service section and additional wards, and also the supply and development of sufficient medical equipments, water and power facilities.

ALTERNATIVE PLAN II: The plan is made to reduce capital expenditure at the initial stage and includes the construction of minimized facilities at once (5 years term) and supplement the additional facilities continuously and as phase by phase investment. Following are contents of this plan.

1) In principle construct new facilities of central treatment, service section and other necessary minimum facilities.

   For other sections existing facilities are reused as much as possible after renovation.

2) Cut-off the non-essential medical equipment and existing beds and other furniture are used again but supply lacking furnitures.

3) Minimize the capacities of mechanical and electrical facilities.

   water work facilities 50%
   electrical facilities 75%
   compared to the alternative plan I.

The gaps between plan I & II shall be supplemented as soon as possible in future as a second phase project.

During these two phases, the shortage which will be caused by super-annuated facilities and medical equipments shall be supplemented continuously due to the actual aspect of each hospital.

3. Cost Estimate by Implementation Plan and by Hospital

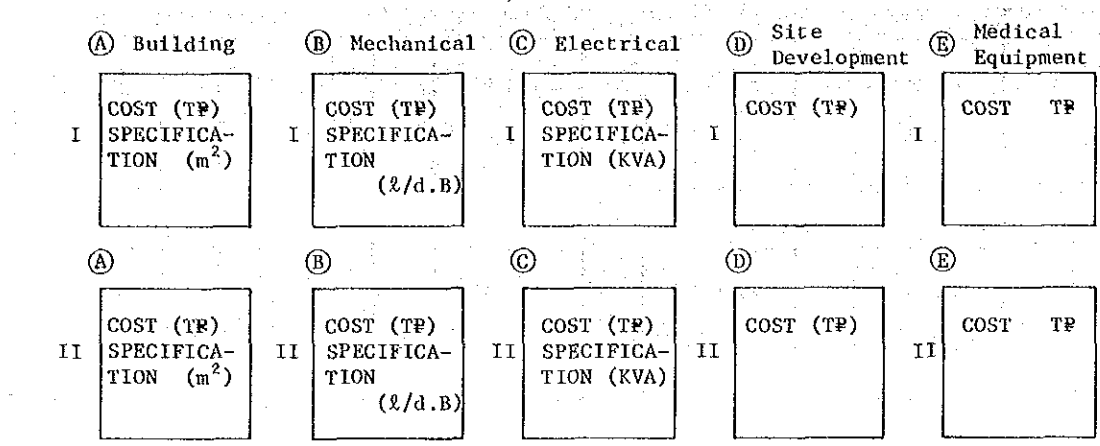
The cost estimate of this project is made on the following condition:

> The cost for Alternative Plan I is total cost of the project, and the cost for Alternative Plan II is the cost of I phase of total project.

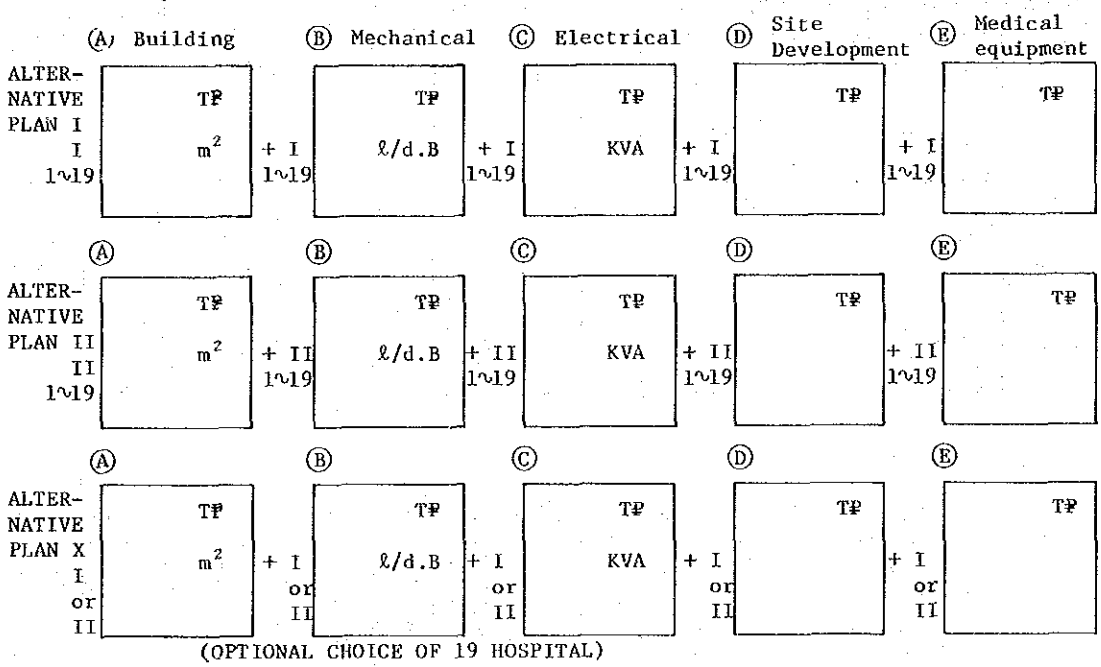
Above mentioned ALTERNATIVE PLAN I, II are combinations of following construction costs by hospital. And in addition to the ALTERNATIVE PLAN I & II the PLAN X is possible with optional choise of each hospital by necessity and therefore wide range of selective possiblities are avaiable as the capital outlay for the initial stage.

Cost Components by Hospital

₱ = Thousand Pesos



Composition



(OPTIONAL CHOICE OF 19 HOSPITAL)

Construction Cost by Hospital

NOTE; INDIRECT COST LIKE CONTINGENCY etc. are included in each cost component in the proportion of each cost component.

Pangasinan MC

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	66,848 TP 17,820 m^2	24,162 TP 800 ℓ/d.B	14,329 TP 530 KVA	3,472 TP	18,748 TP
II	Ⓐ 58,011 TP 15,550 m^2	Ⓑ 17,663 TP 400 ℓ/d.B	Ⓒ 8,068 TP 430 KVA	Ⓓ 3,476 TP	Ⓔ 11,025 TP

Bontoc P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	7,709 TP 4,540 m^2	10,308 TP 500 ℓ/d.B	5,249 TP 255 KVA	107 TP	7,605 TP
II	Ⓐ 6,575 TP 4,230 m^2	Ⓑ 7,910 TP 300 ℓ/d.B	Ⓒ 3,149 TP 180 KVA	Ⓓ 103 TP	Ⓔ 4,504 TP

Baguio M.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	35,351 TP 16,340 m^2	9,308 TP 800 ℓ/d.B	9,811 TP 530 KVA	318 TP	18,729 TP
II	Ⓐ 7,696 TP 9,370 m^2	Ⓑ 7,287 TP 400 ℓ/d.B	Ⓒ 3,050 TP 430 KVA	Ⓓ 0 TP	Ⓔ 12,205 TP

Benguet P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	17,966 TP 5,280 m²	10,555 TP 500 ℓ/d.B	6,536 TP 255 KVA	2,221 TP	7,551 TP
II	16,696 TP 5,050 m²	8,166 TP 300 ℓ/d.B	3,709 TP 180 KVA	2,224 TP	4,190 TP

La Union R.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	29,738 TP 9,690 m²	19,511 TP 800 ℓ/d.B	8,579 TP 405 KVA	1,979 TP	11,846 TP
II	20,934 TP 8,030 m²	14,951 TP 400 ℓ/d.B	5,359 TP 330 KVA	1,982 TP	8,031 TP

Abra P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	11,306 TP 3,980 m²	10,868 TP 500 ℓ/d.B	5,483 TP 255 KVA	78 TP	7,546 TP
II	10,139 TP 3,560 m²	8,482 TP 300 ℓ/d.B	3,797 TP 180 KVA	78 TP	4,187 TP

Gabriela Silang P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	18,119 TP 4,560 m²	10,677 TP 500 ℓ/d.B	6,013 TP 255 KVA	1,051 TP	7,551 TP
II	16,232 TP 4,070 m²	8,291 TP 300 ℓ/d.B	3,782 TP 180 KVA	1,051 TP	4,190 TP

Don Mariano Marcos M.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	294 TP 7,960 m²	7,415 TP 500 ℓ/d.B	4,160 TP 255 KVA	398 TP	9,946 TP
II	294 TP 7,960 m²	5,336 TP 300 ℓ/d.B	2,291 TP 180 KVA	398 TP	8,723 TP

Ilocos Norte P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	20,985 TP 6,710 m²	13,605 TP 500 ℓ/d.B	7,281 TP 405 KVA	175 TP	11,384 TP
II	12,939 TP 5,160 m²	10,425 TP 300 ℓ/d.B	4,291 TP 330 KVA	175 TP	6,148 TP

Cagayan R.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	53,541 TP 13,330 m²	20,582 TP 800 ℓ/d.B	9,491 TP 530 KVA	1,931 TP	18,124 TP
II	48,231 TP 11,880 m²	15,643 TP 500 ℓ/d.B	5,665 TP 430 KVA	1,934 TP	12,060 TP

Cagayan Mental H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	5,021 TP 2,340 m²	1,919 TP ℓ/d.B	473 TP KVA	222 TP	4,229 TP
II	1,871 TP 1,550 m²	1,051 TP ℓ/d.B	276 TP KVA	172 TP	1,915 TP

Kalinga Apayao P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	13,502 TP 4,670 m²	11,584 TP 500 ℓ/d.B	6,388 TP 255 KVA	748 TP	7,697 TP
II	10,271 TP 3,980 m²	9,117 TP 300 ℓ/d.B	3,744 TP 180 KVA	750 TP	4,277 TP

Cagayan P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	18,387 TP 4,560 m²	10,886 TP 500 ℓ/d.B	6,144 TP 255 KVA	1,178 TP	7,698 TP
II	Ⓐ 16,540 TP 4,070 m²	Ⓑ 8,448 TP 300 ℓ/d.B	Ⓒ 3,854 TP 180 KVA	Ⓓ 1,179 TP	Ⓔ 6,260 TP

Isabela P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	16,325 TP 6,020 m²	14,730 TP 500 ℓ/d.B	8,483 TP 255 KVA	876 TP	8,122 TP
II	Ⓐ 12,707 TP 5,560 m²	Ⓑ 11,360 TP 300 ℓ/d.B	Ⓒ 5,940 TP 180 KVA	Ⓓ 877 TP	Ⓔ 5,411 TP

Quirino P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	15,813 TP 4,740 m²	14,574 TP 500 ℓ/d.B	8,122 TP 255 KVA	656 TP	7,696 TP
II	Ⓐ 12,992 TP 4,030 m²	Ⓑ 12,118 TP 300 ℓ/d.B	Ⓒ 6,159 TP 180 KVA	Ⓓ 639 TP	Ⓔ 3,476 TP

Ifugao P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	17,478TP 4,840m²	11,227TP 500ℓ/d.B	8,788TP 255KVA	1,268TP	7,694TP
II	15,688TP 4,470m²	8,753TP 300ℓ/d.B	6,461TP 180KVA	1,270TP	4,271TP

Maj. F. Marcos Veteran M.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	6,396TP 6,400m²	12,277TP 500ℓ/d.B	7,523TP 255KVA	1,695TP	10,510TP
II	5,067TP 6,040m²	8,892TP 300ℓ/d.B	6,162TP 180KVA	1,698TP	8,552TP

Nueva Vizcaya P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	11,594TP 4,160m²	10,247TP 500ℓ/d.B	7,261TP 255KVA	323TP	7,687TP
II	8,025TP 3,280m²	7,829TP 300ℓ/d.B	5,858TP 180KVA	283TP	3,986TP

Batanes P.H.

	Ⓐ Building	Ⓑ Mechanical	Ⓒ Electrical	Ⓓ Site Development	Ⓔ Medical Equipment
I	7,067TP 2,200m²	9,323TP 500ℓ/d.B	7,531TP 255KVA	68TP	7,719TP
II	Ⓐ 7,133TP 2,200m²	Ⓑ 6,984TP 300ℓ/d.B	Ⓒ 5,916TP 180KVA	Ⓓ 68TP	Ⓔ 3,582TP

PLAN (I) COST FOR EACH HOSPITAL

(₱1,000)

	Hospital	Standard Grade (Bed) ANC	Standard Grade (Bed) WARD	A Building	B Mechanical	C Electrical	D Site Development	E Medical Equipment	F Miscellaneous = γG+0.65H+δ	α% (YG)	G = A+B+C+D	H = G+E (0.65H)	δ	Ⓐ = A(1+F/H)	Ⓑ = B(1+F/H)	Ⓒ = C(1+F/H)	Ⓓ = D(1+F/H)	Ⓔ = E(1+F/H)	Total = A+B+C+D+E+F = Ⓐ+Ⓑ+Ⓒ+Ⓓ+Ⓔ
	450[B] Standard	300	450																
	300[B] Standard	300	300																
	200[B] Standard	200	200																
	100[B] Standard	100	100																
I	1. Pangasinan MC	300	450	40,103	14,495	8,596	2,083	11,247	51,034	1.5% (979)	65,277	(49,741) 76,524	314	66,848	24,162	14,329	3,472	18,748	127,559
	2. Bontoc PH	100	100	4,590	6,137	3,125	64	4,528	12,535	3.0 (417)	13,916	(11,989) 18,444)	129	7,709	10,308	5,249	107	7,605	30,978
	3. Baguio MC	300	450	21,229	5,590	5,892	191	11,247	29,368	1.5 (494)	32,902	(28,697) 44,149	177	35,351	9,308	9,811	318	18,729	73,517
	4. Benguet PH	100	100	10,773	6,329	3,919	1,332	4,528	17,949	1.5 (335)	22,353	(17,473) 26,881	141	17,966	10,555	6,536	2,221	7,551	44,829
	5. La Union RH	200	250	17,834	11,701	5,145	1,187	7,104	28,683	1.5 (538)	35,867	(27,939) 42,971	214	29,738	19,511	8,579	1,979	11,846	71,653
	6. Abra PH	100	100	6,784	6,521	3,290	47	4,528	14,112	1.5 (250)	16,642	(13,761) 21,170	101	11,306	10,868	5,483	78	7,546	35,281
	7. Gabriela Silang PH	100	100	10,866	6,403	3,606	630	4,528	17,378	1.5 (323)	21,505	(16,921) 26,033	134	18,119	10,677	6,013	1,051	7,551	43,411
	8. Don Mariano Marcos MH	150	100	177	4,469	2,507	240	5,994	8,927	1.5 (111)	7,393	(8,702) 13,387	14	294	7,415	4,160	398	9,946	22,213
	9. Ilocos Norte PH	200	200	12,586	8,160	4,367	105	6,828	21,385	1.5 (378)	25,218	(20,830) 32,046	177	20,985	13,605	7,281	175	11,384	53,430
II	1. Cagayan RH	300	300	31,500	12,109	5,584	1,136	10,663	42,677	5.4(2,718)	50,329	(39,645) 60,992	314	53,541	20,582	9,491	1,931	18,124	103,669
	2. Cagayan Mental H	100	150	3,980	1,139	281	132	2,510	4,822	5.4 (245)	4,532	(4,577) 7,042	0	5,021	1,919	473	222	4,229	11,864
	3. Kalinga-Apayao PH	100	100	7,943	6,815	3,758	440	4,528	16,435	5.4(1,024)	18,956	(15,265) 23,484	149	13,502	11,584	6,388	748	7,697	39,919
	4. Cagayan PH	100	100	10,815	6,403	3,614	693	4,528	18,240	5.4(1,162)	21,525	(16,934) 26,053	144	18,387	10,886	6,144	1,178	7,698	44,293
	5. Isabela PH	100	150	9,601	8,663	4,989	515	4,777	19,990	5.4(1,283)	23,768	(18,554) 28,545	153	16,325	14,730	8,483	876	8,122	48,536
	6. Quirino PH	100	100	9,304	8,575	4,779	386	4,528	19,288	5.4(1,244)	23,044	(17,922) 27,572	122	15,813	14,574	8,122	656	7,696	46,861
	7. Ifugao PH	100	100	10,286	6,607	5,172	746	4,528	19,116	5.4(1,232)	22,811	(17,770) 27,339	114	17,478	11,227	8,788	1,268	7,694	46,455
	8. Maj. F. Marcos MH	150	150	3,758	7,213	4,420	996	6,175	15,839	5.4 (885)	16,387	(14,665) 22,562	289	6,396	12,277	7,523	1,695	10,510	38,401
	9. Nueva Vizcaya PH	100	100	6,829	6,036	4,277	190	4,528	15,252	5.4 (936)	17,332	(14,209) 21,860	107	11,594	10,247	7,261	323	7,687	37,112
	10. Batanes PH	75	75	4,062	5,359	4,329	39	4,437	13,482	11.2(1,544)	13,789	(11,847) 18,226	91	7,067	9,323	7,531	68	7,719	31,708
	Total			222,020	138,724	81,650	11,152	111,734	386,412	(16,098)	453,546	(367,441) 565,280	2,884	373,440	233,758	137,645	18,764	188,082	951,689

* Based on the prices of August 1 '79

$F = \alpha(A+B+C+D+E) + \beta(A+B+C+D+E) + \gamma(A+B+C+D) + \delta$
$= (\alpha+\beta)(A+B+C+D+E) + \gamma(A+B+C+D) + \delta = \gamma G+0.65H+\delta$

H: Facility G: Civil work

α: Arch, & Engineering 10% + Cosultant fee 5% + Supervision 5% + Administration 5% = 25%
β: Physical Contingency 10% + Price Contingency 30% = 40%
γ: Local revise (1.5%, 3.0%, 5.4%, 11.2%)
δ: Surveying & Subsoil exploration + Water Source and Quality Survey.
α + β = 65%

PLAN (II) COST FOR EACH HOSPITAL

(₱1,000)

	Hospital	Standard Grade (Bed) ANC	Standard Grade (Bed) WARD	A Building	B Mechanical	C Electrical	D Site Development	E Medical Equipment	F Miscellaneous = γG+0.65H+δ	αX (γG)	G = A+B+C+D	H = C+E (0.65H)	δ	Ⓐ = A(1+F/H)	Ⓑ = B(1+F/H)	Ⓒ = C(1+F/H)	Ⓓ = D(1+F/H)	Ⓔ = E(1+F/H)	Total = A+B+C+D+E+F = Ⓐ+Ⓑ+Ⓒ+Ⓓ+Ⓔ
	450[B] Standard	300	450																
	300[B] Standard	300	300																
	200[B] Standard	200	200																
	100[B] Standard	100	100																
I	1. Pangasinan MC	300	450	34,765	10,585	4,835	2,083	6,607	39,367	1.5% (784)	52,268	(38,269) 58,875	314	58,011	17,663	8,068	3,476	11,025	98,243
	2. Bontoc PH	100	100	3,905	4,698	1,870	61	2,675	9,031	3.0 (316)	10,534	(8,586) 13,209	129	6,575	7,910	3,149	103	4,504	22,241
	3. Baguio MC	300	250	4,612	4,367	1,828	0	7,314	12,118	1.5 (162)	10,807	(11,779) 18,121	177	7,696	7,287	3,050	0	12,205	30,238
	4. Benguet PH	100	100	9,998	4,890	2,221	1,332	2,509	14,036	1.5 (277)	18,441	(13,618) 20,950	141	16,696	8,166	3,709	2,224	4,190	34,985
	5. La Union RH	200	250	12,538	8,955	3,210	1,187	4,810	20,557	1.5 (388)	25,890	(19,955) 30,700	214	20,934	14,951	5,359	1,982	8,031	51,297
	6. Abra PH	100	100	6,075	5,082	2,275	47	2,509	10,695	1.5 (202)	13,479	(10,392) 15,988	101	10,139	8,482	3,797	78	4,187	26,683
	7. Cabriela Silang PH	100	100	9,721	4,965	2,265	630	2,509	13,457	1.5 (264)	17,581	(13,059) 20,090	134	16,232	8,291	3,782	1,051	4,190	33,546
	8. Don Mariano Marcos MH	150	100	177	3,217	1,381	240	5,259	6,747	1.5 (75)	5,015	(6,678) 10,274	14	294	5,336	2,291	398	8,723	17,042
	9. Ilocos Norte PH	200	200	7,743	6,239	2,588	105	3,679	13,644	1.5 (250)	16,655	(13,217) 20,334	177	12,939	10,425	4,291	175	6,148	33,978
II	1. Cagayan RH	300	300	28,328	9,186	3,327	1,136	7,083	34,471	5.4(2,267)	41,979	(31,867) 49,062	314	48,231	15,643	5,665	1,934	12,060	83,533
	2. Cagayan Mental H	100	100	1,111	624	164	102	1,137	2,148	5.4 (108)	2,001	(2,040) 3,138	0	1,871	1,051	276	172	1,915	5,285
	3. Kalinga-Apayao PH	100	100	6,025	5,348	2,196	440	2,509	11,642	5.4 (756)	14,009	(10,737) 16,518	149	10,271	9,117	3,744	750	4,277	28,159
	4. Cagayan PH	100	100	9,721	4,965	2,265	693	3,679	14,957	5.4 (953)	17,644	(13,860) 21,323	144	16,540	8,448	3,854	1,179	6,260	36,281
	5. Isabela PH	100	150	7,461	6,670	3,488	515	3,177	14,984	5.4 (979)	18,134	(13,852) 21,311	153	12,707	11,360	5,940	877	5,411	36,295
	6. Quirino PH	100	100	7,622	7,109	3,613	375	2,039	14,626	5.4(1,011)	18,719	(13,493) 20,758	122	12,992	12,118	6,159	639	3,476	35,384
	7. Ifuago PH	100	100	9,212	5,140	3,794	746	2,508	15,044	5.4(1,020)	18,892	(13,910) 21,400	114	15,688	8,753	6,461	1,270	4,271	36,443
	8. Maj. F. Marcos MH	150	150	2,972	5,215	3,614	996	5,016	12,558	5.4 (691)	12,797	(11,578) 17,813	289	5,067	8,892	6,162	1,698	8,552	30,371
	9. Nueva Vizcaya PH	100	75	4,713	4,598	3,440	166	2,341	10,722	5.4 (698)	12,917	(9,918) 15,258	107	8,025	7,829	5,858	283	3,986	25,981
	10. Batanes PH	75	75	4,062	3,977	3,369	39	2,040	10,197	11.2(1,339)	11,447	(8,767) 13,487	91	7,133	6,984	5,916	68	3,582	23,683
	Total			170,761	105,892	51,723	10,893	69,400	281,022	(12,540)	339,209	(265,575) 408,609	2,884	288,041	178,706	87,531	18,357	116,993	689,628

* Based on the prices of August 1 '79

$F = \alpha(A+B+C+D+E) + \beta(A+B+C+D+E) + \gamma(A+B+C+D) + \delta$
$= (\alpha+\beta)(A+B+C+D+E) + \gamma(A+B+C+D) + \delta = \gamma G+0.65H+\delta$

H: Facility G: Civil work

α: Arch, & Engineering 10% + Cosultant fee 5% + Supervision 5% + Administration 5% = 25%
β: Physical Contingency 10% + Price Contingency 30% = 40%
γ: Local revise (1.5%, 3.0%, 5.4%, 11.2%)
δ: Surveying & Subsoil exploration + Water Source and Quality Survey.
α + β = 65%

CHAPTER VII

MAINTENANCE PLAN

CONTENTS

VII-1 MAINTENANCE AND MANAGEMENT OF HOSPITAL FACILITIES

Hospital functions can be roughly divided into health care functions and patient accommodation functions. In order to smoothly carry out health care activities and ensure an agreeable mode of life for the patients, these two functions must work together in a mutually supportive fashion. They are composed of clerical and administrative work and equipment and service related work.

In recent years health services have been becoming increasingly specialized and the services themselves have thus come to be higher quality and more complex in nature. Along with this development, a need has arisen for workers in various related work as the work load has increased, the tasks to be performed have become more diversified and the organization has grown.

The function of the administration and management section is to control this organization -- to organically synthesize these diversified and expanded activities toward the achievement of top-quality results in regards to its single raison de'être, the provision of health care.

As the accommodating of in-patients is necessary for the patient's daily life, such as dietary, hygenic, and bedding services must be provided. Moreover the spread of infections muct be guarded against, and strict environmental standards of cleanlines within the hospital, especially for the neonatal and operating rooms are demanded. To control this, air conditioning equipment is needed.

In addition to this, the work load can be increased and the medical services up-graded, such as in the case of the X-Ray equipment previously used for treatment being replaced by cobalt 60, or ICU and CCU patient monitoring system equipment.

The responsibility for managing and maintaining the equipment and facilities supplying the electricity, water, heat sources and other energy for everyday cleaning and laundry services, medical equipment and building plant equipment, along with keeping the building, in proper maintenance and carrying out inspections for maintenance management, etc. falls in the domain of the plant and equipment services. The management and maintenance of the hospital facilities is the work of this plant and equipment services division.

1. The Management of the Building

The types of work necessary for the upkeep and running of the hospital buildings are listed below by function.

1) Sanitation Management

The provision of clean water and clean air through ventilation and air conditioning, the cleaning of the inside and outside of the hospital, the disposal of un-sanitary material and the erradication of mice, rats and harmful insects, etc. are necessary. The aim is a "clean hospital" protected against the spread of infection inside the hospital and through garbage, dirt, and insects, etc., from the outside.

2) Security and anti-disaster management

The taking of precautions against, and keeping a watch for fires and other disasters, as well as intra-hospital security are important jobs. Immobile patients in the event of fire or other emergencies are incapable of independently coping with the situation. Thus, measures to prevent the outbreak of disasters, deal with them quickly when they arise, and plans for the evacuation of the buildings, etc. need to be put into effect. Furthermore, there are many rooms inside the hospital which persons other than the patients, doctors, nurses and other authorized personnel are not allowed to enter without permission, such as germ-free surgery rooms, X-ray radiation rooms, RI rooms, neonatal infant rooms and infectious desease and other isolation wards. Entering these rooms inadvertantly not only contaminates the room but is extremely dangerous as the person who enters may himself become contaminated. Hospitals have intra-hospital security systems to prevent this type of thing from occurring.

3) Preventive Maintenance Management

In order to operate the hospital facilities every part of the grounds and building, and piece of equipment and machine needs to be kept in good repair. Moreover, through this up-keep work, the lifetime of the facilities may be extended. The purpose of preventive maintenance is to minimize loss of facilities owing to breakdown, wear and tear, rotting, aging, weathering, disasters such as fire, etc. and to restore facilities where possible. For this purpose, a complete line of work activities covering everything from proper usage, inspection, maintenance, repair, remodeling and improvement, to updating the facilities and equipment therein is necessary.

The above gives a rough outline of various types of work. The concrete details of the cleaning, disaster prevention management and preventive maintenance are as follows:

(1) Cleaning

The types of cleaning work and frequency to be performed:

a. Regular work ----- tasks performed daily:

Sweeping the floors, wiping the doors, dusting the fixtures and appliances, window ledges and railings, washing the hygienic appliances, dust and garbage disposal, etc.

b. Periodic work ---- tasks performed one or several times weekly or monthly:

Washing the floors, bi-monthly waxing the floors and polishing the outside windows, etc..

c. Irregular work --- tasks ordinarily performed here and there as the need arises at appropriate times:

Shaking the dust out of the curtains, removing the soil and stains from the doors, walls, mopboards, etc., and weeding and watering the hospital's outside grounds.

d. Special work ----- Annual or bi-annual full-scale cleaning:

Cleaning lighting equipment, ventilation duct orifices and ceilings and other high places.

(2) Preventive Maintenance

There are a wide variety man-made and natural disasters running the gamut from building-damaging natural disasters such as earthquakes, typhoons, tidal waves, flood damage and lightening, to gas explosions and other man-made disasters and pollution such as harmful gas emissions. Considering at the planning stage ways to protect against damage from disasters in advance of their occurrence is done as a matter of course but the amount of damages

resulting from a disaster varies widely depending on the emergency equipment evacuation procedures, etc..

A hospital must continue to function during times of disaster and maintain a higher level of activity than normal. In order to continue functioning, the hospital must be prepared structurally and equipment-wise to cope with any possible eventuality. At this point let us describe the measures taken to prevent the outbreak of fire, the disaster most dreaded by hospitals, and those taken in regard to managing the situation when fires do occur.

a. Fire prevention measures

The causes of fire outbreak are electrical shorts due to faulty electrical installations at the facility, or forgetting to turn off the switch on driers and electrical irons, carelessness with cigarette butts, and inattentiveness with gas cooking ranges, steam sterilizing equipment and other fire utilizing equipment. At any rate, through carrying out routine inspections and staff and patient orientations disasters can be prevented beforehand.

o Routine inspections

The procedure is to hold certain individuals responsible for the prevention of fire and holding inspections at each work place. This person responsible for five prevention, makes clear the chain of responsibility, organizing all of the persons working there for inspections, which makes effective prevention possible for the first time.

The routine inspections will check for irregularities in the electrical equipment, gas heaters, steam sterilizing equipment, gas range burners and other fire-using equipment, and, also, check whether easily cumbustible and ignitable drugs are properly stored. Security personnel will patrol places which are not open to unauthorized persons at night after the staff has gone off duty. Besides inspecting possible fire outbreak sources, inspecting evacuation routes and fire extinguishers is simultaneously carried out.

o Periodic inspections

One day per month is set aside as Fire Prevention Inspection Day. On that day, the preventive maintenance procedures noted in Table (3) together with a check of the electrical wiring system is carried out to remove the danger of electrical shorts. Also, fire extinguishers, fire-break walls and other fire fighting equipment, as well as evacuation route inspections are carried out.

b. Fire fighting and evacuation system

Fire fighting brigades are organized inside of the hospital and training in fire fighting and evacuation procedures is carried out. Through repeated regular training on fire source detection, first-stage fire fighting procedures, the usage of fire extinguishers and fire-break walls, the contacting of outside fire stations and guiding the evacuation of the patients, the staff becomes capable of calmly making judgements and acting in the midst of this type of panic situation. Through this training a disaster-prevention mentality is developed at the hospital.

VII-2 PREVENTIVE MAINTENANCE PLAN

1. Preventive Maintenance Plan for Building Facilities and Medical Equipments

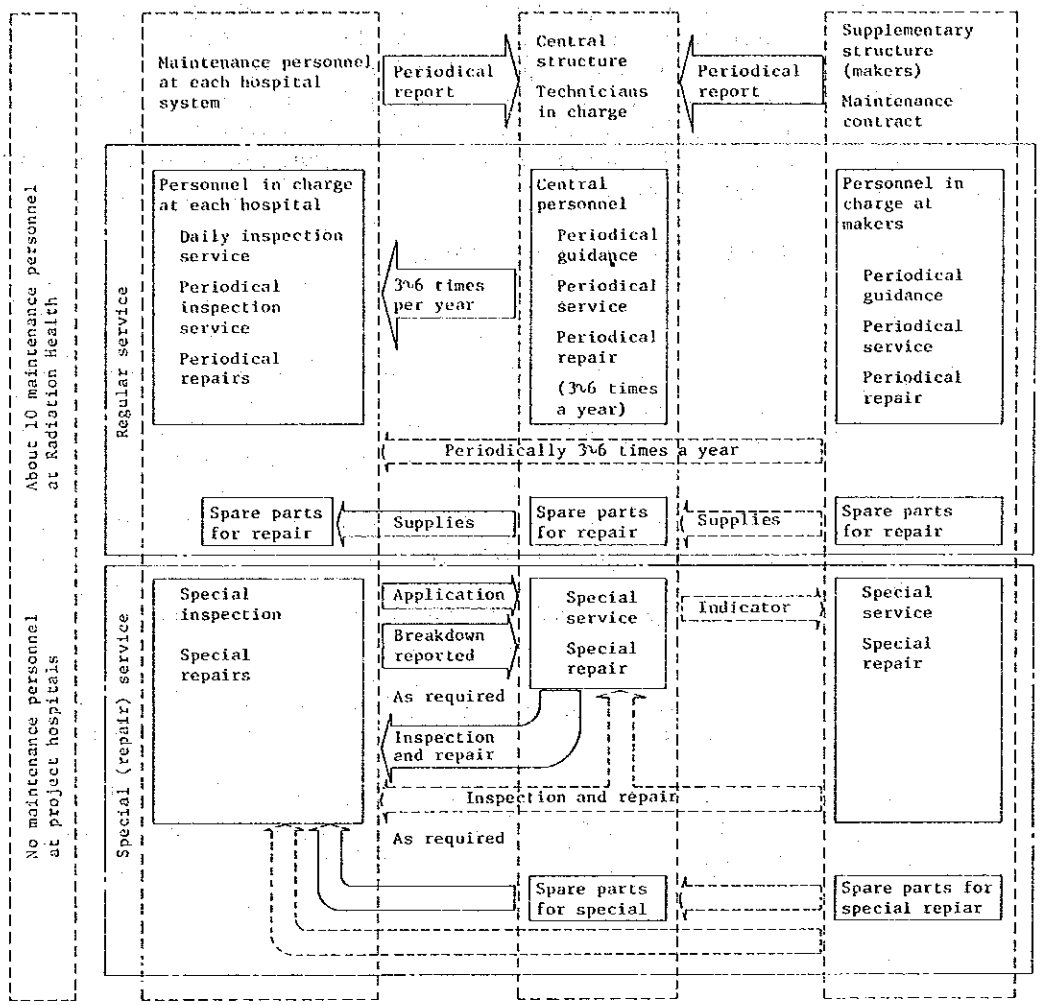
1) Preventive Management System

The present survey revealed that some of the facilities and medical equipment were left unrepaired due to the lack of spare parts, skills and technicians. Since the present improvement plan proposes upgrading on a large scale of facilities, particularly equipment and medical equipment, it may result in effective functioning of these equipment. Improvement in service organization is thus proposed as shown by the figure below in respect of training in handling method, allocation of maintenance personnel to each hospital, improvement in central structure, recruitment of manpower, maintenance contract with makers, securing of spare parts, etc.

With the provision of the maintenance system, the hospital functions to be upgraded under the existing and the present plans will be able to build up the basis for maintaining adequate functions.

Under DOH's current service system, there are no maintenance personnel except at two or three large scale hospitals, and there are only about ten technicians in Manila forming the central structure of the national service.

Proposed structure of the facilities and medical equipment maintenance service



* Number of personnel based on the standard proposed by the Japanese side.

2) Scope of maintenance control

Based on the above-mentioned structure, each hospital is to be provided with maintenance personnel for each section (building, facilities, medical equipment, etc.). As for sophisticated facilities and equipment (generator, pump, medical equipment, etc.), training in inspection and maintenance is to be provided for the personnel concerned by the central organization and manufacturers.

Scope of maintenance work:

Maintenance control in hospital: daily inspection, daily maintenance, periodical inspection, periodical maintenance, periodical repair.

Central organization: guidance on periodical inspection, maintenance and repair; periodical inspection, periodical maintenance, periodical repair; maintenance and repair as required, e.g., breakdown to be repaired.

Supporting organization: same as the central organization.

An example of actual inspection and maintenance in the building section may be outlined as the table below.

Details of maintenance control for building, facilities and medical equipment are to be worked out at the stage of working drawing.

Table Example of Preventive Maintenance List (Building)

Preventive maintenance in each part of the building: Items subject to inspection, inspection times, and outlines of the procedures are given.

Building

a. Structure

Items for Inspection	Inspection Frequency	Maintenance Outline
1 Sinking	Once yearly	1. Measure for uneven settling of buildings on unstable ground or shallow foundations by leaving registration marks near the outside wall window sills. 2. Make a bench mark on objects firmly fixed on nearby foundations to use as a reference point for building settling.
2 Cracks and fissures	Bi-annually first 5 years, afterwards once yearly	Outside walls, location of fissures on floors, their pattern, measuring their width.
3 Concrete carbonation	Once every 5 years	1. To measure the extent of carbonation in the case of old buildings. 2. If it is necessary to carry out water proofing and other preventive maintenance.
4 Aseismicity	Once every 5 years	1. Conduct proper vibration measurements, where necessary reenforce. 2. Firm the mountings on the equipment and machines so they don't work loose in earthquakes.

b. Roofs, caves, parapets

Items for Inspection	Inspection Frequency	Maintenance Outline
1 Water leaking through the roof	As needed	1. Confirming the location of the leak in the ceiling. 2. When spot-repair is not possible, complete repair.
2 Concrete or mortor far over-coat, cracks forming after completion, for seeping up	As needed	1. Maintenance repair when not leaking. 2. Complete repair when leaking.
3 Blockage of the water gutter spout, clamage to surrounding area	Monthly	1. Removing rubbish. 2. When the inside of the gutters are clogged, calling in specialists. 3. Repair damaged area with a rubber-based polymer paint.
4 Sheet waterproofing, painted sheet waterproofing	Twice yearly	Check small tears; give a coating of polymer paint.
5 Parapet cracks	Once yearly	1. Upon inspecting for horizontal shiftage due to horizontal and diagonal cracks, filling with caulking. 2. Look for water leakage due to breakage of the sill.

c. Door and Window Fixtures

Items for Inspection	Inspection Frequency	Maintenance Outline
1 Opening and closing with difficulty and other problems (steel)	Once yearly	1. Checking for rust in the surrounding frame, when lightly rusted, repair. 2. When the frame surface is completely rusted replace it with another of the same or an aluminum frame.
2 Opening and closing with difficulty and other problems (aluminum)	Once yearly	1. When the cause is expansion owing to heat, give some slack by straightening the curvature. 2. Although they are locked when there are strong winds, when they bend and the strength of the muntins is insufficient, reinforce them or replace. 3. When the poor condition of the window or door rollers as the cause repair or replace.
3 Leaking water (aluminum and steel)	Once yearly	1. When the mortar filling is to blame, renovate with soft caulking. 2. In the case of steel rusting follow the procedure indicated in 1.
4 Wire enforced glass is damaged (aluminum)	As needed	When the cause is believed to be heat expansion, loosen the surrounding frames.

d. Exterior and Interior Finish Work

Items for Inspection	Inspection Frequency	Maintenance Outline
1 Loosening of exterior tiling	As needed	1. When fissures in the concrete base are the cause, make spot-repairs. 2. When corrosion of the steel framework is the cause, remove the rust and repair. 3. When the aging of the contact mortar is to blame, completely re-mortar.
2 Water leakage from the out-side walls	As needed	1. When water leakage is due to cracks, repair with concrete and caulking. 2. When irregularities of the underground concrete are to blame, after filling in with mortar apply a coat of water repulsing paint.
3 The working loose of Terra-cotta and glued rocks		1. Inspections of hanging metal objects and the like. 2. When there is severe rust, re-moving the stuck glued objects and refurbishing is the best policy.
4 The stairs	Once yearly	The stairs wear down more rapidly than the corridors when there is no elevator. They especially show the effects of age at a distance approximately a foot and a half from the hand rails.

VII-3 MAINTENANCE COST

1. Personnel Expenses

Based on the Manpower Standards Plan, calculating the standard yearly wage expenditures (based on 1977 wage scale standards) by 100, 200, 300 and 450 bed capacity hospitals gives the following results (please refer to Table):

1) Paying the standard annual wage specified by each type of hospital's Standards Plan the total amount expended per year by 100, 200, 300 and 450 bed hospitals is respectively 800,000., 1,260,000., 2,230,000. and 2,920,000. Pesos.

2) In each Standard Plan the ratio between the growth in number of the personnel and the standard salary raise is 1:1.

3) The average per capital annual wage expenditures per worker are 6,143., 6,125., 6,137. and 5,980. Pesos. The 450 bed hospital is though to deploy the highest quality personnel, and pays the highest wages, followed by the 200 bed, 300 bed and 100 bed hospitals, in that order.

As discussed in the section on maintenance management, adding 7% for overtime allowance gives the real wage, to which adding another 9% for bonuses and workers welfare benifits, etc... gives the yearly aggregate personnel expense.

$$P_T = Sw + So$$
$$= (1 + 0.07)\ S + 0.09S$$
$$= 1.16S$$

P_T = Aggregate annual personnel expenditures.

Sw = Real aggregate wages

So = Bonus, worker welfare and other expenses

S = Standard aggregate wages

As these figures were calculated from FY 1977 wage standards, and there have since been a rise personnel expenditures -- it is even reported that from May 1979 civil servants wages and salaries will rise by 30% -- the 1980 figures are expected to be approximately 50% higher than the FY 1977 ones.

2. Material Expenses

According to 1977 data on present material expenses, the average yearly outlay per bed is 8,681 pesos, but excluding the 4 hospitals, Baguio, Major Marcos Veteran, Don Mariano Marcos and Aparri, the provincial hospitals' average is 6,118 pesos/bed.

Taking into consideration the need for adequate health care supplies and medical services, we would like to establish the expenditures per bed as shown below, using the above written average as our base value.

Provincial hospital	6,118 pesos/bed × 2.0 ≒ 12,200 pesos/bed
Regional hospital	6,118 pesos/bed × 3.0 ≒ 18,400 pesos/bed
Memorial center	6,118 pesos/bed × 3.0 ≒ 18,400 pesos/bed

As these figures are based upon 1977 values, if the year in which we are interested is 1980, taking inflation into account, the figures need to be inflated another 40%.

3. Repair Cost

1) Durable years of facilities

Durable years of building, facilities, medical equipment, etc. prescribed under Japanese regulations are set within the ranges given below.

Hospital of reinforced concrete building:	47 years
Facilities (electricity, air-conditioning and sanitary)	6∿17 years
Furniture and fixtures:	6∿15 years
Medical equipment:	4∿10 years

These durable years serve as figures for computing depreciable tangible assets. Accordingly, it does not necessarily mean that these facilities and equipment will cease to function after the durable years given. It is possible to extend the durable years through the use, repairs and maintenance. Conversely, poor maintenance and social and economic needs may require replacement prior to the end of durable years.

In view of these factors, it is the practice to use average figures in estimating repair cost, which are given below.

Hospital of reinforced concrete building:	47 years
Facilities (electricity, air-conditioning and sanitary)	15 years
Furniture and fixtures:	6 years
Medical equipment:	6 years

2) Trial estimate of repair cost

According to a trial estimate for an office building (Control of buildings by K. Kobayashi). The ratio of average annual unit repair cost to the unit cost of a new building is as given below.

Building:	619 yen/m^2/85,350 yen/m^2 = 0.725%
Facilities:	1,121 yen/m^2/52,650 yen/m^2 = 2.192%
Total:	1,740 yen/m^2/138,000 yen/m^2 = 1.261%

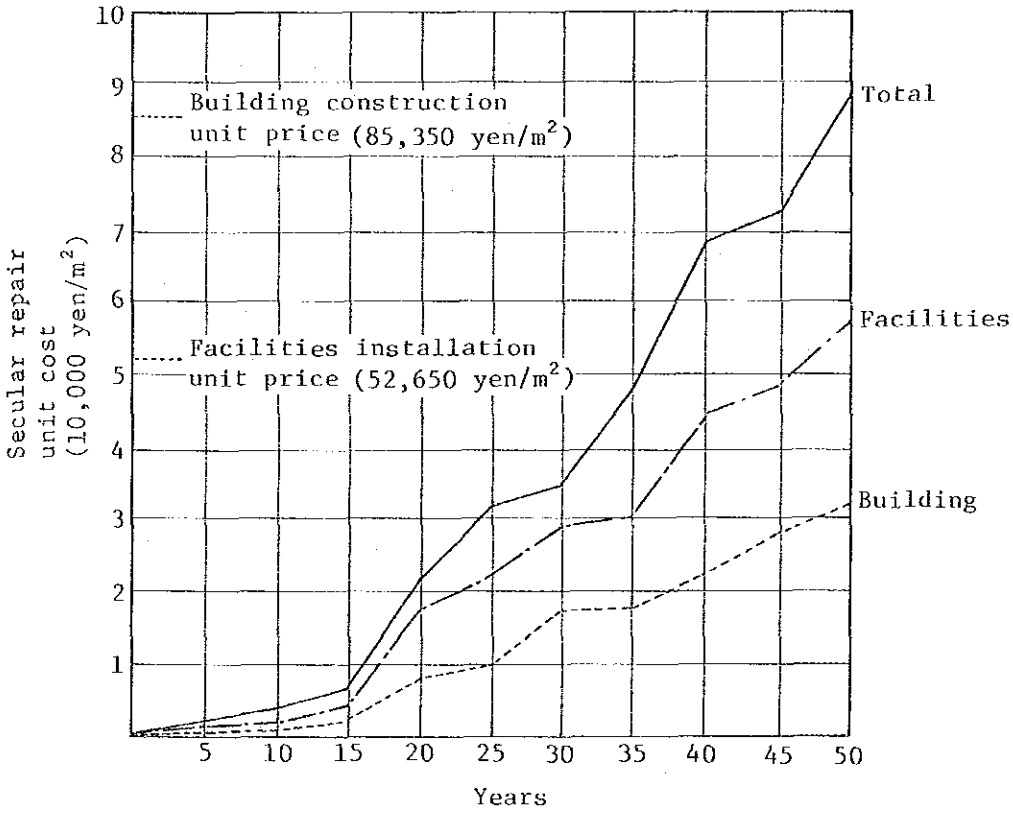
The markedly large ratio of facilities is due to the fact that their shorter durable years require more frequent repairs and replacement, whereas structures hardly require repairs unless special renovation is in need. According to an U.N. survey carried out in 1960, if the cost of reconstructing an existing building is A, the total annual repair cost will be within the range of (0.6 - 1.4%)· A. (100 yen = US$0.45)

3) Secular change.

As has been described, hospital facilities are provided with facilities and equipment of varying durable years. Consequently, repair cost varies according to the durable years. As can be seen in the cumulative curve of the standard repair cost in the case of the trial estimate, the cost of repairs will be small until the 15th year after construction. However, it will markedly increase from the 16th year onward as replacement of equipment will be necessary and those sections of the building requiring repair will increase. The table below gives the secular change in the ratio of repair cost to the construction cost or prices at installation based on this model in respect of building, facilities, furniture, fixtures and medical equipment.

Years	1∿6 years	7∿12 years	13∿15 years	16∿18 years	19∿24 years
Building	0.12%	0.12%	0.12%	0.95%	0.95%
Facilities	0.41%	0.41%	0.41%	2.80%	2.80%
Medical equipment, furniture/ fixtures	0.41%	2.80%	2.80%	2.80%	2.80%

New construction cost and prices at installation may be multiplied to obtain the annual repair cost.



Cumulative curve of the standard repair cost.

CHAPTER VIII

FINANCIAL PLAN

CONTENTS

VIII-1 CONSTRUCTION COSTS

1. Conditions of Estimation

Estimation of construction costs was made for Plan I and Plan II on the conditions given below.

1) Unit prices and prices of construction materials, machinery and equipment, medical equipment and labor are those as of August 1, 1979.

2) In so far as possible, construction materials, machinery and equipment, and medical equipment are to be obtained in the Philippines.

3) With regard to materials, machinery and equipment to be imported, transport cost, import duties, import procedure expenses and other necessary expenses were included in the estimates.

4) Miscellaneous expenses

   - o Survey cost: for the survey of site, foundation, water quality, source of water supply, etc.
   - o Design and supervision.
   - o Consultant fees: consultation fees in respect of hospital management, medical equipment, etc.
   - o Management expenses: project management.
   - o Local revise of construction costs.
   - o Reserve funds: Physical contingency 10%, price contingency 30%.

5) Construction costs of new building for Don Mariano Marcos Memorial and Major F. Marcos Veteran Memorial Hospitals are excluded, though the cost of medical equipment is included.

2. Local, Foreign and Indirect Foreign Currencies

Local currency refers to the expenses for purchasing products and labor obtainable in the Philippines. Foreign currency refers to the expenses for purchasing materials, equipment and labor directly from foreign countries for the present project. Further,

indirect foreign currency refers to the expenses for purchasing imported products obtainable in the Philippines.

Contents and ratios of local, foreign and indirect foreign currencies in the construction costs of the present project may be summarized as below.

1) Contents of local, foreign and indirect foreign currencies:

Contents of Local, Foreign and Indirect Foreign Currencies

	Local	Foreign	Indirect Foreign
Construction	Cement, reinforcing steel, concrete block, timber, labor	———	Paint, aluminum door and window, finishing materials.
Electrical work	Wiring, piping, lighting fixture labor	Generator, distribution board	Low voltage and low current equipment.
Mechanical work	Piping material, well labor	Air-conditioning equipment, pump, laundry and kitchen equipment	Sanitary fixture piping material
Medical equipment	Bed, table, chair transport and installation	Medical equipment	Medical equipment
Design and consultant Fees, etc.	Project management cost, design, supervision, survey.	Survey of foundation and water source, design and consultant fees, supervision	———

2) Distribution of local foregin and indirect foreign currencies.

	Local	Foreign	Indirect foreign
Construction	60%	-	40%
Mechanical work	41%	47%	12%
Electrical work	40%	53%	7%
Medical Equipment	8%	85%	7%
Design and Consultant Fees, etc.	30%	70%	
Average	39%	42%	19%

3. Estimated Construction Costs for Plan I

Construction costs for Plan I were estimated as below.

(in Million Pesos)

Section		Total	Currencies		
			Local	Foreign	Indirect Foreign
Facilities	Construction	222	133	0	89
	Mechanical work	139	57	65	17
	Electrical work	82	33	43	6
	Site development work	11	7	0	4
	Sub-total	454	230	108	116
Medical equipment		112	9	95	8
Design and consultant fees, etc.		386	136	193	57
Total		952	375	396	181
(US$ Equivalent)		(126.93)	(50.00)	(52.80)	(24.13)

The total construction costs amount to 952 million pesos (US$126.93 million), or approx. 300,000 pesos per hospital bed (US$40,000).

The breakdown of the total costs by currency is: local 375 million pesos (US$50.00 million); foreign 396 million pesos (US$52.80 million); and indirect foreign 181 million pesos (US$24.13 million) (of miscellaneous cost, the reserve fund was divided according to the composition ratio of each facilities).

4. Estimated Construction Costs for Plan II

Constructuion costs for each hospital are given by the table below.

(in Million Pesos)

Section		Total	Currencies		
			Local	Foreign	Indirect Foreign
Facilities	Construction	171	103	0	68
	Mechanical work	106	43	50	13
	Electrical work	52	21	28	3
	Site development work	11	7	0	4
	Sub-total	340	174	78	88
Medical Equipment		69	6	59	4
Design and consultant fees, etc.		281	92	150	39
Total		690	272	287	131
(US$ Equivalent)		(92.00)	(36.27)	(38.26)	(17.47)

The total construction costs amount to 690 million pesos (US$92.00 million), or approx. 250,000 pesos per hospital bed (US$33,300).

The breakdown of the total costs by currency is; local 272 million pesos (US$36.27 million); foreign 287 million pesos (US$38.26 million); and indirect foreign 131 million pesos (US$17.47 million).

VIII-2 INVESTMENT PLANNING

1. Investment Planning

In accordance with the schedule of the present project, survey and study of site conditions such as foundation, soil, water source, water quality, etc., and basic design are to be carried out during the initial year. Detail design and construction of each hospital are to be carried out during the five year period from the second year.

The initial year will require all survey expenses and about 1/3 of design and consultant fees to proceed with basic design. In the second year, since detail design and construction for the first group begin, 40% of the construction costs for the first group will be required. The remaining 60% will be required in the following year to complete detail design and construction. If construction is to proceed on similar conditions, total investments and construction costs of each group for each year may be as shown by the table below.

2. Loans

Since two years will be required from detail design to the completion of construction for each group, the amount of investments of each group must be secured in the initial year. Accordingly, it is desirable to obtain loans based on the amount of investments of each group. Estimates may thus be made for both cases of loans accounting for 60% and 70% of investments respectively as below.

INVESTMENT PLANNING FOR PLAN I:

Unit (1,000 Pesos)

Year.	1	2	3	4	5	6
	Basic design	First group.	Second group.	Third group	Fourth group.	
Name of Facilities	Survey Basic design	◦ CAGAYAN ◦ BENGUET ◦ IFUGAO ◦ DON MARIANO ◦ BONTOC	◦ PANGASINAN ◦ QUIRINO ◦ ISABELA ◦ BATANES	◦ LA UNION ◦ GABRIELA-SILANG ◦ NUEVA VIZCAYA ◦ ABRA ◦ ILOCOS NORTE	◦ CAGAYAN PH ◦ CAGAYAN MENTAL ◦ KALINGA ◦ BAGUIO ◦ MAJ. MARCOS	
Work schedule	Survey Basic design.	First group Second group Third group Fourth group				
Investments	Survey, consultant, design fees, etc. 141,300×1/3	◦ CAGAYAN 98,566 ◦ BENGUET 42,590 ◦ IFUGAO 44,176 ◦ DON MARIANO 21,098 ◦ BONTOC 29,442	◦ PANGASINAN 121,158 ◦ QUIRINO 44,562 ◦ ISABELA 46,156 ◦ BATANES 30,138	◦ LA UNION 68,073 ◦ GABRIELA-SILANG 41,242 ◦ NUEVA VIZCAYA 35,290 ◦ ABRA 33,518 ◦ ILOCOS NORTE 50,760	◦ CAGAYAN PH 42,122 ◦ CAGAYAN MENTAL 11,277 ◦ KALINGA 37,962 ◦ BAGUIO 69,838 ◦ MAJ. MARCOS 36,521	
	47,100	235,872	242,014	228,883	197,720	
Construction costs for each year	47,100	94,350	238,330	236,760	216,420	118,629

INVESTMENT PLANNING FOR PLAN II:

Unit (1,000 Pesos)

Year	1	2	3	4	5	6
	'Basic design	First group.	Second group.	Third group.	Fourth group.	
Name of Facilities	Survey Basic design	◦ CAGAYAN R ◦ BENGUET ◦ IFUGAO ◦ DON MARIANO ◦ BONTOC	◦ PANGASINAN ◦ QURINO ◦ ISABELA ◦ BATANES	◦ LA UNION ◦ GABRIELA-SILANG ◦ NUEVA VIZCAYA ◦ ABRA ◦ ILOCOS NORTE	◦ CAGAYAN PH ◦ CAGAYAN MENTAL ◦ KALINGA-APAYAO ◦ BAGUIO ◦ MAJ. MARCOS	
Work schedule	Survey First group Second group Third group Fourth group					
Investments	'Survey, consultant, design fees, etc. 102,300×1/3	◦ CAGAYAN 79,387 ◦ BENGUET 33,258 ◦ IFUGAO 34,645 ◦ DON MARIANO 16,200 ◦ BONTOC 21,143	◦ PANGASINAN 93,340 ◦ QUIRINO 33,637 ◦ ISABELA 34,503 ◦ BATANES 22,514	◦ LA UNION 48,726 ◦ GABRIELA-SILANG 31,890 ◦ NUEVA VIZCAYA 24,698 ◦ ABRA 25,365 ◦ ILOCOS NORTE 32,300	◦ CAGAYAN PH 34,490 ◦ CAGAYAN MENTAL 5,024 ◦ KALINGA-APAYAO 26,769 ◦ BAGUIO 28,745 ◦ MAJ. MARCOS 28,871	
	34,100	184,633	183,994	162,979	123,899	
Construction costs for each year	34,100	73,850	184,380	175,590	147,350	74,335

CONSTRUCTION COSTS FOR PLAN I BY YEAR AND ITEM

(in Million Pesos)

Year			1			2			3			4			5			6			
Construction Year			0			1			2			3			4			5			
Currencies			L	F	I	L	F	I	L	F	I	L	F	I	L	F	I	L	F	I	
			Total			Total			Total			Total			Total			Total			
Facilities	Civil Work	Construction	-	-	-	14.0	-	6.0	36.3	-	15.6	36.4	-	15.6	31.4	-	13.5	17.1	-	7.3	
				-			20.0			51.9			52.0			44.9			24.4		
		Electrical Work	-	-	-	3.1	4.0	0.5	8.2	10.5	1.2	8.4	10.8	1.2	7.5	9.7	1.1	4.1	5.3	0.6	
				-			7.6			19.9			20.4			18.3			10.0		
		Mechanical Work	-	-	-	7.0	6.2	-	17.8	15.8	-	18.5	16.4	-	16.8	14.9	-	8.0	7.1	-	
				-			13.2			33.6			34.9			31.7			15.1		
		Site Development Work	-	-	-	0.9	-	0.4	2.0	-	0.9	1.6	-	0.7	1.4	-	0.6	0.9	-	0.4	
				-			1.3			2.9			2.3			2.0			1.3		
		Civil Work Total	-	-	-	25.0	10.2	6.9	64.3	26.3	17.7	64.9	27.2	17.5	57.1	24.6	15.2	30.1	12.4	8.3	
				-			42.1			108.3			109.6			96.9			50.8		
	Medical Equipment		-	-	-	1.8	9.7	0.2	4.1	22.7	0.6	3.8	21.0	0.5	4.1	22.7	0.6	2.5	14.0	0.3	
				-			11.7			27.4			25.3			27.4			16.8		
	Facility Total (at the end of March, 1979)		-	-	-	26.8	19.9	7.1	68.4	49.0	18.3	68.7	48.2	18.0	61.2	47.3	15.8	32.6	26.4	8.6	
				-			53.8			135.7			134.9			124.3			67.6		
Price Increase (March ~ August, 1979) *1				-			5.1			13.0			13.0			11.6			6.2		
Facility Total (at August 1, 1979)				-			58.9			148.7			147.9			135.9			73.8		
Miscellaneous	Survey (Subsoil, water source and water quality)			2.9			-			-			-			-			-		
	Design, Consultant, Supervision and Administration Fees *2			44.2			10.0			25.3			25.6			23.1			13.0		
	Local Revise + Freight Revise			-			1.9			4.8			4.1			3.0			2.3		
	Physical Contingency *3			-			5.9			14.9			14.8			13.6			7.4		
	Price Contingency *4			-			17.7			44.6			44.4			40.8			22.1		
Total (August 1, 1979)				47.1 Say 47			94.4 Say 94			238.3 Say 238			236.8 Say 237			216.4 Say 217			118.6 Say 119		952

L: Local Currency
F: Foreign Currency
I: Indirect Foreign Currency

*1 Price increase is estimated based on the results of additional survey in August, 1979. 15% increase in local and indirect foreign currencies during the term of March-August- 1979 about following items

Item	Rate of Currencies	Increase Rate
Construction	(L-70% F-0% I-30%)	→ 15%
Electrical Work	(L-41% F-53% I-6%)	→ 7%
Mechanical Work	(L-53% F-47% I-0%)	→ 8%
Medical Equipment	(L-15% F-83% I-2%)	→ 3%
Site Development	(L-70% F-0% I-30%)	→ 15%

*2 Design fee 10%, Consultant Fee 5%, Supervision 5% Administration 5%
Total 25% of facility total

*3 Physical Contingency 10% of facility total

*4 Price Contingency 30% of facility total

Price Contingency is estimated uniformly 30% (rough target year is 3rd year)

Note: o 1st year's cost is composed only by survey costs + 1/3 × (design-, consultant-, supervision-, and administration fee)

o From the costs of each hospital 40% is allocated in the beginning year and 60 in the ending year.

CONSTRUCTION COST FOR PLAN II BY YEAR AND ITEM

(in Million Pesos)

Year			1			2			3			4			5			6			
Construction Year			0			1			2			3			4			5			
Currencies			L	F	I	L	F	I	L	F	I	L	F	I	L	F	I	L	F	I	
			Total			Total			Total			Total			Total			Total			
Facilities	Civil Work	Construction	-	-	-	12.6	-	5.4	32.0	-	13.7	29.6	-	12.7	20.9	-	8.9	8.9	-	3.8	
			-			18.0			45.7			42.3			29.8			12.7			
		Electrical Work	-	-	-	1.9	2.5	0.3	5.2	6.8	0.8	5.6	7.3	0.8	4.7	6.1	0.7	2.3	3.0	0.3	
			-			4.7			12.8			13.7			11.5			5.6			
		Mechanical Work	-	-	-	5.3	4.7	-	13.6	12.0	-	14.2	12.6	-	12.8	11.4	-	6.1	5.5	-	
			-			10.0			25.6			26.8			24.2			11.6			
		Site Development Work	-	-	-	0.9	-	0.4	2.0	-	0.9	1.6	-	0.7	1.3	-	0.6	0.8	-	0.4	
			-			1.3			2.9			2.3			1.9			1.2			
		Civil Work Total	-	-	-	20.7	7.2	6.1	52.8	18.8	15.4	51.0	19.9	14.2	39.7	17.5	10.2	18.1	8.5	4.5	
			-			34.0			87.0			85.1			67.4			31.1			
	Medical Equipment		-	-	-	1.2	6.5	0.2	2.6	14.2	0.3	2.1	11.8	0.3	2.5	14.0	0.3	1.7	9.5	0.2	
			-			7.9			17.1			14.2			16.8			11.4			
	Facility Total (at the end of March, 1979)		-	-	-	21.9	13.7	6.3	55.4	33.0	15.7	53.1	31.7	14.5	42.2	31.5	10.5	19.8	18.0	4.7	
			-			41.9			104.1			99.3			84.2			42.5			
Price Increase (March ~ August, 1979) *1			-			4.2			10.7			10.1			7.9			3.7			
Facility Total (at August 1, 1979)			-			46.1			114.8			109.4			92.1			46.2			
Miscellaneous	Survey (Subsoil, water source and water quality)		2.9			-			-			-			-			-			
	Design, Consultant, Supervision and Administration Fees *2		31.2			7.8			19.7			19.2			16.0			7.9			
	Local Revise + Freight Revise		-			1.6			4.0			3.3			2.1			1.5			
	Physical Contingency *3		-			4.6			11.5			10.9			9.3			4.7			
	Price Contingency *4		-			13.8			34.4			32.8			27.8			14.0			
Total (August 1, 1979)			34.1 say 34			73.9 say 74			184.4 say 185			175.6 say 176			147.3 say 147			74.3 say 74			690

L: Local Currency
F: Foreign Currency
I: Indirect Foreign Currency

*1 Price increase is estimated based on the results of additional survey in August, 1979. 15% increase in local and indirect foreign currencies during the term of March-August, 1979 about following times

Item	Rate of Currencies	Increase Rate
Construction	(L-70% F-0% I-30%)	→ 15%
Electrical Work	(L-41% F-53% I-6%)	→ 7%
Mechanical Work	(L-53% F-47% I-0%)	→ 8%
Medical Equipment	(L-15% F-83% I-2%)	→ 3%
Site Development	(L-70% F-0% I-30%)	→ 15%

*2 Design fee 10%, Consultant Fee 5%, Supervision 5% Administration 5% Total 25% of facility total

*3 Physical Contingency 10% of facility total

*4 Price Contingency 30% of facility total

Price Contingency is estimated uniformly 30% (rough target year is 3rd year)

Note: o 1st year's cost is composed only by survey costs + 1/3 × (design-, consultant-, supervision-, and administration fee)

o From the costs of each hospital 40% is allocated in the beginning year and 60 in the ending year.

(1) Case of Plan I.

(in Million Pesos)

	Survey & Basin design	First Group	Second Group	Third Group	Fourth Group	Total
Investments	47	236	242	229	198	952
60% loans	28	142	145	137	119	571
70% loans	33	165	169	160	139	666

(2) Case of Plan II

(in Million Pesos)

	Survey & Basic design	First Group	Second Group	Third Group	Fourth Group	Total
Investments	34	185	184	163	124	690
60% loans	20	111	110	98	74	413
70% loans	24	130	129	114	87	484

3. Repayment of Loans

Case study is to be made on the repayment of loans on the conditions given below.

Conditions of repayment:

1) Rate of interest 3.25%; amortization period of 25 years in equal installments, including a grace period of 7 years.

2) Rate of interest 7.6% amortization period of 20 years in equal installments, including a grace period of 5 years.

Case study is then made of the amount of loans in respect of each case given below.

(1) 60% loans under Plan I.

(2) 70% loans under Plan I.

(3) 60% loans under Plan II.

(4) 70% loans under Plan II.

Results may be summarized as below.

a. Under the condition 1), the total repayment will be 1.67 times the capital (total amount of loan) at an interest rate of 3.25%, an amortization period of 25 years in equal installments, including a grace period of 7 years.

b. Under the condition 2), the total repayment will be 2.47 times the capital at the interest rate of 7.6%, an amortization period of 20 years in equal installments, including a grace period of 5 years.

c. The amount of annual repayment will be largest in the case of 70% loans under Plan I at an interest rate of 7.6%, an amortization period of 20 years in equal installments, including a grace period of 5 years. The amount of annual repayment in this case will be approx. 109.5 million pesos, 16.4% of the capital.

d. Conversely, the amount of annual repayment will be smallest in the case of 60% loans under Plan II at an interest rate of 3.25%, an amortization period of 25 years in equal installments, including a grace period of 7 years. The amount of annual repayment in this case will be approx. 38.4 million pesos, or 9.3% of the capital.

(1) Plan I: 60% loans, interest rate 3.25%, amortization period of 25 years in equal installments (including a grace period of 7 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 18th year	19th year	20th year	21st year	22nd year	Total
Basic Design	28,000	2,601	2,601	2,601	2,601	2,601					46,818
1st Group	142,000		13,190	13,190	13,190	13,190	13,190				237,420
2nd Group	145,000			13,468	13,468	13,468	13,468	13,468			242,424
3rd Group	137,000				12,725	12,725	12,725	12,725	12,725		229,050
4th Group	119,000					11,053	11,053	11,053	11,053	11,053	198,954
Total	571,000	2,601	15,791	29,259	41,984	53,037	50,436	37,246	23,778	11,053	954,666

(2) Plan I; 60% loans, interest rate 7.6%, amortization period of 20 years in equal installments (including a grace period of 5 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 15th year	16th year	17th year	18th year	19th year	Total
Basic Design	28,000	4,604	4,604	4,604	4,604	4,604					69,060
1st Group	142,000		23,347	23,347	23,347	23,347	23,347				350,205
2nd Group	145,000			23,840	23,840	23,840	23,840	23,840			357,600
3rd Group	137,000				22,525	22,525	22,525	22,525	22,525		337,875
4th Group	119,000					19,565	19,565	19,565	19,565	19,565	293,475
Total	571,000	4,604	27,951	51,791	74,316	93,881	89,277	65,930	42,090	19,565	1,408,215

(3) Plan I: 70% loans, interest rate 3.25%, amortization period of 25 years in equal installments (including a grace period of 7 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 18th year	19th year	20th year	21st year	22nd year	Total
Basic Design	33,000	3,065	3,065	3,065	3,065	3,065					55,170
1st Group	165,000		15,326	15,326	15,326	15,326	15,326				275,868
2nd Group	169,000			15,698	15,698	15,698	15,698	15,698			282,564
3rd Group	160,000				14,862	14,862	14,862	14,862	14,862		267,516
4th Group	139,000					12,911	12,911	12,911	12,911	12,911	232,398
Total	666,000	3,065	18,391	34,089	48,951	61,862	58,797	43,471	27,773	12,911	1,113,516

(4) Plan I; 70% loans, interest rate 7.6%, amortization period of 20 years in equal installments (including a grace period of 5 years)

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 15th year	16th year	17th year	18th year	19th year	Total
Basic Design	33,000	5,426	5,426	5,426	5,426	5,426					81,390
1st Group	165,000		27,128	27,128	27,128	27.128	27,128				406,920
2nd Group	169,000			27,786	27,786	27,786	27,786	27,786			416,790
3rd Group	160,000				26,306	26,306	26,306	26,306	26,306		394,590
4th Group	139,000					22,853	22,853	22,853	22,853	22,853	342,795
Total	666,000	5,426	32,554	60,340	86,646	109,499	104,073	76,945	49,159	22,853	1,642,485

(5) Plan II: 60% loans, interest rate 3.25%, amortization period of 25 years in equal installments (including a grace period of 7 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 18th year	19th year	20th year	21st year	22nd year	Total
Basic Design	20,000	1,858	1,858	1,858	1,858	1,858					33,444
1st Group	111,000		10,310	10,310	10,310	10,310	10,310				185,580
2nd Group	110,000			10,217	10,217	10,217	10,217	10,217			183,906
3rd Group	98,000				9,103	9,103	9,103	9,103	9,103		163,854
4th Group	74,000					6,874	6,874	6,874	6,874	6,874	123,732
Total	413,000	1,858	12,168	22,385	31,488	38,362	36,504	26,194	15,977	6,874	690,516

(6) Plan II; 60% loans, interest rate 7.6%, amortization period of 20 years in equal installments (including a grace period of 5 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th~ 15th year	16th year	17th year	18th year	19th year	Total
Basic Design	20,000	3,288	3,288	3,288	3,288	3,288					49,320
1st Group	111,000		18,250	18,250	18,250	18,250	18,250				273,750
2nd Group	110,000			18,085	18,085	18,085	18,085	18,085			271,275
3rd Group	98,000				16,112	16,112	16,112	16,112	16,112		241,680
4th Group	74,000					12,167	12,167	12,167	12,167	12,167	182,505
Total	413,000	3,288	21,538	39,623	55,735	67,902	64,614	46,364	28,279	12,167	1,018,530

(7) Plan II: 70% loans, interest rate 3.25%, amortization period of 25 years in equal installments (including a grace period of 7 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th∿ 18th year	19th year	20th year	21st year	22nd year	Total
Basic Design	24,000	2,229	2,229	2,229	2,229	2,229					40,122
1st Group	130,000		12,075	12,075	12,075	12,075	12,075				217,350
2nd Group	129,000			11,982	11,982	11,982	11,982	11,982			215,676
3rd Group	114,000				10,589	10,589	10,589	10,589	10,589		190,602
4th Group	87,000					8,081	8,081	8,081	8,081	8,081	145,458
Total	484,000	2,229	14,304	26,286	36,875	44,956	42,727	30,652	18,670	8,081	809,208

(8) Plan II; 70% loans, interest rate 7.6%, amortization period of 20 years in equal installments (including a grace period of 5 years).

(1,000 Pesos)

	Total loan	1st year of repayment	2nd year	3rd year	4th year	5th∿ 15th year	16th year	17th year	18th year	19th year	Total
Basic Design	24,000	3,946	3,946	3,946	3,946	3,946					59,190
1st Group	130,000		21,374	21,374	21,374	21,374	21,374				320,610
2nd Group	129,000			21,209	21,209	21,209	21,209	21,209			318,135
3rd Group	114,000				18,743	18,743	18,743	18,743	18,743		281,145
4th Group	87,000					14,304	14,304	14,304	14,304	14,304	214,560
Total	484,000	3,946	25,320	46,529	65,272	79,576	75,630	54,256	33,047	14,304	1,193,640

VIII-3 CURRENT EXPENDITURE (MEDICAL INCOME AND EXPENDITURE)

1. Expenditure

According to the case study conducted on the basis of the schedule of the present project, the first group hospitals will commence operation from the third year of the project and all project hospitals will provide new medical service from the seventh year (except Cagayan Mental Hospital). The annual total current expenditure of project hospitals will then be about 117.4 million pesos under Plan I and 117 million pesos under Plan II.

Since the outpatient service will reach its peak six years later, a natural increase of approx. 8% may be expected because of the increase in repairs and replacement of medical equipment. Thus the total current expenditure will reach about 127.3 million pesos under Plan I and 125.9 million pesos under Plan II.

It is expected to be constant during the succeeding 5-year period to be followed by the 4-year period during which building maintenance cost is expected to increase. Thereafter, it is again expected to be constant.

The expenditure of project hospitals was 19,230 pesos per bed in 1977; this will increase by 2.2 times to 42,074 pesos in the 10th year of new service under Plan I and by 2.2 times to 41,620 pesos under Plan II. In the total expenditure of project hospitals, the figure will increase by approx. 3 times under both Plan I and Plan II.

Expenditure was computed in respect of the items listed below.

1) Personnel expenses:

Average personnel cost per person was computed in accordance with the contents of personnel expenses described under (3) of the previous chapter and adjusted in respect of wage increase.

75 bed 100 " 150 "	6,130 Pesos/Person	× 1.16 × 1.5 =	10,670 Pesos/Person
200 bed 250 "	6,120 " "	× 1.16 × 1.5 =	10,650
300 bed	6,160 " "	× 1.16 × 1.5 =	10,720
450 bed	6,000 " "	× 1.16 × 1.5 =	10,440

2) Material expenses:

Necessary expenses per bed were computed from the total annual material cost of project hospitals in 1977 and adjusted in respect of improvement in medical service and price increase.

75 bed, 100 ", 150 ", 200 ", 250 " } 6,120 Pesos/bed × 2.0 × 1.4 = 17,100 pesos/bed

300 bed, 450 " } 6,120 Pesos/bed × 3.0 × 1.4 = 25,700 pesos/bed

3) Running cost: computed from the capacity of equipment.

	LPGAS	GENERATOR
75 bed	94,000 pesos/year	250,000 pesos/year
100 "	96,000 "	265,000 "
150 "	103,000 "	296,000 "
200 "	111,000 "	328,000 "
250 "	117,000 "	367,000 "
300 "	146,000 "	406,000 "
450 "	194,000 "	511,000 "

4) Repair cost:

The ratios given below were determined based on the durable years of buildings, facilities and medical equipment. Building construction costs, facilities installation costs and medical equipment installation costs are to be multiplied by these ratios for each year.

Years	1st∿ 6th year	7th∿ 12th year	13th∿ 15th year	16th∿ 18th year	19th∿ 24th year
Building	0.12%	0.12%	0.12%	0.95%	0.95%
Installation	0.41%	0.41%	0.41%	2.80%	2.80%
Medical Equipment	0.41%	2.80%	2.80%	2.80%	2.80%

5) Others

5% of the total costs from personnel cost to repair cost is to be appropriated.

2. Medical Income

The number of admissions, outpatients, operations and deliveries which could be dealt with by the hospital was estimated from the estimated number of patients of the service area, assuming that 10% of them would be able to bear the medical cost. The medical cost to be borne by patients was estimated as below based on the table of charges for average symptoms with additional 30% in view of the increase in prices and personnel cost.

o Admission cost (patient/day) ..... 38 pesos × 1.3 ≒ 50 pesos

Room charge:	24 pesos (average)
Meal charge:	4 pesos
Medicine:	10 pesos
Total:	38 pesos

o Outpatient (per patient) ..... 15 pesos × 1.3 = 20 pesos

Medicine:	10 pesos
Examination fees, etc.:	5 pesos
Total:	15 pesos

o Operation fees (per patient) ..... 475 pesos × 1.3 ≒ 620 pesos

Technical cost:	400 pesos
Anaesthetization:	50 pesos
Operation room charge:	25 pesos
Total:	475 pesos

o Delivery (per patient) ..... 105 pesos × 1.3 ≒ 140 pesos

Technical cost:	80 pesos
Delivery room charge:	25 pesos
Total:	105 pesos

Hospital medical income based on the above rates will increase by 1.5 times between 1977 and the peak year; income per bed will thus amount to approx. 2,840 pesos both under Plan I and Plan II.

With regard to the ratio of income to expenditure, income in 1977 corresponded to 12.1% of average expenditure; but it is estimated to be 6.8% in the peak year, or half the 1977 figure. (With regard to the amount of expenditure, refer to the following section on expenditure.)

3. Current Expenditure Under Plan I

The table below are results of the case study of income and expenditure under Plan I.

(1,000 Pesos)

	Income			Expenditure		
	(a) Actual figures in 1977	(b) Income in the 10th year	(b)/(a) %	(c) Actual figures in 1977	(d) Expenditure in the 10th year	(d)/(c) %
I-1 Pangasinan	764	1,461	191	3,807	21,573	566
I-2 Bontoc	115	254	221	1,221	4,209	345
I-3 Baguio	1,054	1,652	157	10,139	20,042	198
I-4 Benguet	75	236	315	1,571	4,221	269
I-5 La Union	-	(616)	-	1,928	9,094	472
I-6 Abra	167	252	151	1,197	4,017	336
I-7 Gabriela-Silang	312	340	109	1,398	4,112	294
I-8 Don Mariano	537	334	62	2,932	4,466	152
I-9 Ilocos Norte	326	512	157	1,871	6,985	373
Sub Total	3,350	5,041 (5,657)	150	26,064	78,719	302
II-1 Cagayan R.H.	442	777	176	4,478	13,757	307
II-2 Cagayan M.H.	-	-	-	-	-	-
II-3 Kalinga Apayao	-	(284)	-	947	4,058	429
II-4 Cagayan P.H.	*1 48	216	450	*1 288	4,059	1,409
II-5 Isabela	-	(375)	-	2,132	5,624	264
II-6 Quirino	202	300	149	1,455	4,179	287
II-7 Ifugao	116	247	150	1,184	4,227	357
II-8 Maj Marcos	-	(358)	-	3,333	5,394	162
II-9 Nueva Vizcaya	165	237	144	674	4,019	596
II-10 Batanes	68	140	206	1,000	3,237	324
Sub Total	1,041	1,917 (2,934)	184	15,491	48,554	313
Total	4,391	6,958 (8,591)	158	41,555	127,273	306
Per Bed (pesos)	2,590	2,840		19,230	42,074	

*1 Figures in Aparri EH

4. Current Expenditure Under Plan II

The table below are results of the case study of income and expenditure under Plan II.

(1,000 Pesos)

	Income			Expenditure		
	(a) Actual figures in 1977	(b) Income in the 10th year	(a)/(b) %	(c) Actual figures in 1977	(d) Expenditure in the 10th year	(d)/(c) %
I-1 Pangasinan	764	1,461	191	3,807	21,397	562
I-2 Bontoc	115	254	221	1,221	4,142	339
I-3 Baguio	1,054	1,652	157	10,139	19,900	196
I-4 Benguet	75	236	315	1,571	4,147	264
I-5 La Union	-	(616)	-	1,928	9,000	467
I-6 Abra	167	252	151	1,197	3,946	330
I-7 Gabriela-Silang	312	340	109	1,398	4,040	289
I-8 Don Mariano	537	334	62	2,932	4,500	153
I-9 Ilocos Norte	326	512	157	1,871	6,872	367
Sub Total	3,350	5,041 (5,657)	150	26,064	77,944	299
II-1 Cagayan R.H.	442	777	176	4,478	13,626	304
II-2 Cagayan M.H.	-	-	-	-	-	-
II-3 Kalinga Apayao	-	(284)	-	947	3,984	421
II-4 Cagayan P.H.	*1 48	216	450	*1 288	4,020	1,396
II-5 Isabela	-	(375)	-	2,132	5,566	261
II-6 Quirine	202	300	149	1,455	4,092	281
II-7 Ifugao	116	247	150	1,184	4,154	351
II-8 Maj. Marcos	-	(358)	-	3,333	5,389	162
II-9 Nueva Vizcaya	165	237	144	674	3,947	586
II-10 Batanes	68	140	206	1,000	3,178	318
Sub Total	1,041	1,917 (2,934)	184	15,491	47,956	310
Total	4,391	6,958 (8,591)	158	41,555	215,900	303
Per bed (Pesos)	2,590	2,840		19,230	41,620	

*1 Figures in Aparri EH

DETAILED CURRENT EXPENDITURE FOR PLAN I

***** I-1 PANGASINAN N.C *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	13950	13950	13950	13950	13950	13950	13950	13950	13950	13950
		PROCEEDS	697500	697500	697500	697500	697500	697500	697500	697500	697500	697500
	OUT. PAT	NO OF PATIENT	15700	17433	19167	20900	22633	24367	26100	26100	26100	26100
		PROCEEDS	314000	348667	383333	418000	452667	487333	522000	522000	522000	522000
	OPRT	NO OF OPERATION	320	320	320	320	320	320	320	320	320	320
		PROCEEDS	198400	198400	198400	198400	198400	198400	198400	198400	198400	198400
	DLV	NO OF DELIVERY	307	307	307	307	307	307	307	307	307	307
		PROCEEDS	42980	42980	42980	42980	42980	42980	42980	42980	42980	42980
	TOTAL		1252880	1287547	1322213	1356880	1391547	1426213	1460880	1460880	1460880	1460880
EXP	PERSONAL SERVICE		5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520
	SUPPLIES & MATERIALS		11565000	12027600	12490200	12952800	13415400	13878000	14340600	14340600	14340600	14340600
	RUN CST	L.P.GAS	194000	194000	194000	194000	194000	194000	194000	194000	194000	194000
		GENERATOR	511000	511000	511000	511000	511000	511000	511000	511000	511000	511000
		SUB-TOTAL	705000	705000	705000	705000	705000	705000	705000	705000	705000	705000
	RPRG MANT OF FCLT	BUILDING	48124	48124	48124	48124	48124	48124	48124	48124	48124	48124
		BUILDING EQUIPMENT	94673	94673	94673	94673	94673	94673	94673	94673	94673	94673
		MDCL EQURMNT & FRNTR	46113	46113	46113	46113	46113	46113	314916	314916	314916	314916
		SUB-TOTAL	188909	188909	188909	188909	188909	188909	457713	457713	457713	457713
	OTHERS		875071	898201	921331	944461	967591	990721	1027292	1027292	1027292	1027292
	TOTAL		18376487	18862217	19347947	19833676	20319406	20805136	21573108	21573108	21573108	21573108

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	13950	13950	13950	13950	13950	13950	13950	13950	13950	13950
		PROCEEDS	697500	697500	697500	697500	697500	697500	697500	697500	697500	697500
	OUT. PAT	NO OF PATIENT	26100	26100	26100	26100	26100	26100	26100	26100	26100	26100
		PROCEEDS	522000	522000	522000	522000	522000	522000	522000	522000	522000	522000
	OPRT	NO OF OPERATION	320	320	320	320	320	320	320	320	320	320
		PROCEEDS	198400	198400	198400	198400	198400	198400	198400	198400	198400	198400
	DLV	NO OF DELIVERY	307	307	307	307	307	307	307	307	307	307
		PROCEEDS	42980	42980	42980	42980	42980	42980	42980	42980	42980	42980
	TOTAL		1460880	1460880	1460880	1460880	1460880	1460880	1460880	1460880	1460880	1460880
EXP	PERSONAL SERVICE		5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520
	SUPPLIES & MATERIALS		14340600	14340600	14340600	14340600	14340600	14340600	14340600	14340600	14340600	14340600
	RUN CST	L.P.GAS	194000	194000	194000	194000	194000	194000	194000	194000	194000	194000
		GENERATOR	511000	511000	511000	511000	511000	511000	511000	511000	511000	511000
		SUB-TOTAL	705000	705000	705000	705000	705000	705000	705000	705000	705000	705000
	RPRG MANT OF FCLT	BUILDING	48124	48124	48124	48124	48124	380978	380978	380978	380978	380978
		BUILDING EQUIPMENT	94673	94673	94673	94673	94673	646548	646548	646548	646548	646548
		MDCL EQURMNT & FRNTR	314916	314916	314916	314916	314916	314916	314916	314916	314916	314916
		SUB-TOTAL	457713	457713	457713	457713	457713	1342442	1342442	1342442	1342442	1342442
	OTHERS		1027292	1027292	1027292	1027292	1027292	1071528	1071528	1071528	1071528	1071528
	TOTAL		21573108	21573108	21573108	21573108	21573108	22502074	22502074	22502074	22502074	22502074

***** I-2 BUNTOC P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	2600	2813	3026	3239	3451	3664	3877	4090	4090	4090
		PROCEEDS	52000	56257	60514	64771	69029	73286	77543	81800	81800	81800
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	33	33	33	33	33	33	33	33	33	33
		PROCEEDS	4620	4620	4620	4620	4620	4620	4620	4620	4620	4620
	TOTAL		224020	228277	232534	236791	241049	245306	249563	253820	253820	253820
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1966500	2017800	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	5508	5508	5508	5508	5508	5508	5508	5508	5508	5508
		BUILDING EQUIPMENT	37974	37974	37974	37974	37974	37974	37974	37974	37974	37974
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	62047	62047	62047	62047	62047	62047	170266	170266	170266	170266
	OTHERS		177074	179639	182204	184769	187334	189899	197875	200440	200440	200440
	TOTAL		3718559	3772424	3826289	3880153	3934018	3987883	4155378	4209243	4209243	4209243

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	4090	4090	4090	4090	4090	4090	4090	4090	4090	4090
		PROCEEDS	81800	81800	81800	81800	81800	81800	81800	81800	81800	81800
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	33	33	33	33	33	33	33	33	33	33
		PROCEEDS	4620	4620	4620	4620	4620	4620	4620	4620	4620	4620
	TOTAL		253820	253820	253820	253820	253820	253820	253820	253820	253820	253820
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	5508	5508	5508	5508	5508	43605	43605	43605	43605	43605
		BUILDING EQUIPMENT	37974	37974	37974	37974	37974	259336	259336	259336	259336	259336
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	170266	170266	170266	170266	170266	429725	429725	429725	429725	429725
	OTHERS		200440	200440	200440	200440	200440	213413	213413	213413	213413	213413
	TOTAL		4209243	4209243	4209243	4209243	4209243	4481675	4481675	4481675	4481675	4481675

***** I-3 BAGUIO G.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	13950	13950	13950	13950	13950	13950	13950	13950	13950	13950
		PROCEEDS	697500	697500	697500	697500	697500	697500	697500	697500	697500	697500
	OUT. PAT	NO OF PATIENT	27910	30088	32265	34443	36620	36620	36620	36620	36620	36620
		PROCEEDS	556200	601750	645300	688850	732400	732400	732400	732400	732400	732400
	OPRT	NO OF OPERATION	280	280	280	280	280	280	280	280	280	280
		PROCEEDS	173600	173600	173600	173600	173600	173600	173600	173600	173600	173600
	DLV	NO OF DELIVERY	349	349	349	349	349	349	349	349	349	349
		PROCEEDS	48860	48860	48860	48860	48860	48860	48860	48860	48860	48860
	TOTAL		1478160	1521710	1565260	1608810	1652360	1652360	1652360	1652360	1652360	1652360
EXP	PERSONAL SERVICE		5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520
	SUPPLIES & MATERIALS		11565000	11911950	12258900	12605850	12952800	12952800	12952800	12952800	12952800	12952800
	RUN CST	L.P.GAS	194000	194000	194000	194000	194000	194000	194000	194000	194000	194000
		GENERATOR	511000	511000	511000	511000	511000	511000	511000	511000	511000	511000
		SUB-TOTAL	705000	705000	705000	705000	705000	705000	705000	705000	705000	705000
	RPR& MANT OF FCLT	BUILDING	25475	25475	25475	25475	25475	25475	25475	25475	25475	25475
		BUILDING EQUIPMENT	47076	47076	47076	47076	47076	47076	47076	47076	47076	47076
		MDCL EQURMNT & FRNTR	46113	46113	46113	46113	46113	46113	314916	314916	314916	314916
		SUB-TOTAL	118664	118664	118664	118664	118664	118664	387467	387467	387467	387467
	OTHERS		871559	888907	906254	923602	940949	940949	954389	954389	954389	954389
	TOTAL		18302730	18667027	19031324	19395621	19759918	19759918	20042162	20042162	20042162	20042162

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	13950	13950	13950	13950	13950	13950	13950	13950	13950	13950
		PROCEEDS	697500	697500	697500	697500	697500	697500	697500	697500	697500	697500
	OUT. PAT	NO OF PATIENT	36620	36620	36620	36620	36620	36620	36620	36620	36620	36620
		PROCEEDS	732400	732400	732400	732400	732400	732400	732400	732400	732400	732400
	OPRT	NO OF OPERATION	280	280	280	280	280	280	280	280	280	280
		PROCEEDS	173600	173600	173600	173600	173600	173600	173600	173600	173600	173600
	DLV	NO OF DELIVERY	349	349	349	349	349	349	349	349	349	349
		PROCEEDS	48860	48860	48860	48860	48860	48860	48860	48860	48860	48860
	TOTAL		1652360	1652360	1652360	1652360	1652360	1652360	1652360	1652360	1652360	1652360
EXP	PERSONAL SERVICE		5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520	5042520
	SUPPLIES & MATERIALS		12952800	12952800	12952800	12952800	12952800	12952800	12952800	12952800	12952800	12952800
	RUN CST	L.P.GAS	194000	194000	194000	194000	194000	194000	194000	194000	194000	194000
		GENERATOR	511000	511000	511000	511000	511000	511000	511000	511000	511000	511000
		SUB-TOTAL	705000	705000	705000	705000	705000	705000	705000	705000	705000	705000
	RPR& MANT OF FCLT	BUILDING	25475	25475	25475	25475	25475	201675	201675	201675	201675	201675
		BUILDING EQUIPMENT	47076	47076	47076	47076	47076	321496	321496	321496	321496	321496
		MDCL EQURMNT & FRNTR	314916	314916	314916	314916	314916	314916	314916	314916	314916	314916
		SUB-TOTAL	387467	387467	387467	387467	387467	838087	838087	838087	838087	838087
	OTHERS		954389	954389	954389	954389	954389	976920	976920	976920	976920	976920
	TOTAL		20042162	20042162	20042162	20042162	20042162	20515313	20515313	20515313	20515313	20515313

***** I-4 BENGUET P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	1630	1763	1896	2029	2161	2294	2427	2560	2560	2560
		PROCEEDS	32600	35257	37914	40571	43229	45886	48543	51200	51200	51200
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	123	123	123	123	123	123	123	123	123	123
		PROCEEDS	17220	17220	17220	17220	17220	17220	17220	17220	17220	17220
	TOTAL		217220	219877	222534	225191	227849	230506	233163	235820	235820	235820
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1966500	2017800	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR&MANT OF FCLTI	BUILDING	12928	12928	12928	12928	12928	12928	12928	12928	12928	12928
		BUILDING EQUIPMENT	42017	42017	42017	42017	42017	42017	42017	42017	42017	42017
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	73509	73509	73509	73509	73509	73509	181728	181728	181728	181728
	OTHERS		177647	180212	182777	185342	187907	190472	198448	201013	201013	201013
	TOTAL		3730594	3784459	3838324	3892189	3946054	3999919	4167414	4221279	4221279	4221279

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	2560	2560	2560	2560	2560	2560	2560	2560	2560	2560
		PROCEEDS	51200	51200	51200	51200	51200	51200	51200	51200	51200	51200
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	123	123	123	123	123	123	123	123	123	123
		PROCEEDS	17220	17220	17220	17220	17220	17220	17220	17220	17220	17220
	TOTAL		235820	235820	235820	235820	235820	235820	235820	235820	235820	235820
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR&MANT OF FCLTI	BUILDING	12928	12928	12928	12928	12928	102343	102343	102343	102343	102343
		BUILDING EQUIPMENT	42017	42017	42017	42017	42017	286944	286944	286944	286944	286944
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	181728	181728	181728	181728	181728	516071	516071	516071	516071	516071
	OTHERS		201013	201013	201013	201013	201013	217731	217731	217731	217731	217731
	TOTAL		4221279	4221279	4221279	4221279	4221279	4572339	4572339	4572339	4572339	4572339

***** I-5 LA UNION R.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	7750	7750	7750	7750	7750	7750	7750	7750	7750	7750
		PROCEEDS	387500	387500	387500	387500	387500	387500	387500	387500	387500	387500
	OUT. PAT	NO OF PATIENT	4640	4968	5296	5624	5952	6280	6280	6280	6280	6280
		PROCEEDS	92800	99360	105920	112480	119040	125600	125600	125600	125600	125600
	OPRT	NO OF OPERATION	140	140	140	140	140	140	140	140	140	140
		PROCEEDS	86800	86800	86800	86800	86800	86800	86800	86800	86800	86800
	DLV	NO OF DELIVERY	116	116	116	116	116	116	116	116	116	116
		PROCEEDS	16240	16240	16240	16240	16240	16240	16240	16240	16240	16240
	TOTAL		583340	589900	596460	603020	609580	616140	616140	616140	616140	616140
EXP	PERSONAL SERVICE		2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350
	SUPPLIES & MATERIALS		4275000	4403250	4531500	4659750	4788000	4916250	4916250	4916250	4916250	4916250
	RUN CST	L.P.GAS	117000	117000	117000	117000	117000	117000	117000	117000	117000	117000
		GENERATOR	367000	367000	367000	367000	367000	367000	367000	367000	367000	367000
		SUB-TOTAL	484000	484000	484000	484000	484000	484000	484000	484000	484000	484000
	RPRS MANT OF FCLT	BUILDING	21401	21401	21401	21401	21401	21401	21401	21401	21401	21401
		BUILDING EQUIPMENT	69069	69069	69069	69069	69069	69069	69069	69069	69069	69069
		MDCL EQUPMNT & FRNTR	29126	29126	29126	29126	29126	29126	198912	198912	198912	198912
		SUB-TOTAL	119596	119596	119596	119596	119596	119596	289381	289381	289381	289381
	OTHERS		352497	398910	405322	411735	418147	424560	433049	433049	433049	433049
	TOTAL		8242437	8377095	8511752	8646424	8781087	8915749	9094024	9094024	9094024	9094024

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	7750	7750	7750	7750	7750	7750	7750	7750	7750	7750
		PROCEEDS	387500	387500	387500	387500	387500	387500	387500	387500	387500	387500
	OUT. PAT	NO OF PATIENT	6280	6280	6280	6280	6280	6280	6280	6280	6280	6280
		PROCEEDS	125600	125600	125600	125600	125600	125600	125600	125600	125600	125600
	OPRT	NO OF OPERATION	140	140	140	140	140	140	140	140	140	140
		PROCEEDS	86800	86800	86800	86800	86800	86800	86800	86800	86800	86800
	DLV	NO OF DELIVERY	116	116	116	116	116	116	116	116	116	116
		PROCEEDS	16240	16240	16240	16240	16240	16240	16240	16240	16240	16240
	TOTAL		616140	616140	616140	616140	616140	616140	616140	616140	616140	616140
EXP	PERSONAL SERVICE		2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350	2971350
	SUPPLIES & MATERIALS		4916250	4916250	4916250	4916250	4916250	4916250	4916250	4916250	4916250	4916250
	RUN CST	L.P.GAS	117000	117000	117000	117000	117000	117000	117000	117000	117000	117000
		GENERATOR	367000	367000	367000	367000	367000	367000	367000	367000	367000	367000
		SUB-TOTAL	484000	484000	484000	484000	484000	484000	484000	484000	484000	484000
	RPRS MANT OF FCLT	BUILDING	21401	21401	21401	21401	21401	169423	169423	169423	169423	169423
		BUILDING EQUIPMENT	69069	69069	69069	69069	69069	471688	471688	471688	471688	471688
		MDCL EQUPMNT & FRNTR	198912	198912	198912	198912	198912	198912	198912	198912	198912	198912
		SUB-TOTAL	289381	289381	289381	289381	289381	840023	840023	840023	840023	840023
	OTHERS		433049	433049	433049	433049	433049	460581	460581	460581	460581	460581
	TOTAL		9094024	9094024	9094024	9094024	9094024	9672197	9672197	9672197	9672197	9672197

***** I-6 ABRA P.h *****

			1	2	3	4	5	6	7	8	9	10
REV	IN-PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT-PAT	NO OF PATIENT	2610	2754	2898	3042	3186	3330	3330	3330	3330	3330
		PROCEEDS	52200	55080	57960	60840	63720	66600	66600	66600	66600	66600
	OPRT	NO OF OPERATION	40	40	40	40	40	40	40	40	40	40
		PROCEEDS	24800	24800	24800	24800	24800	24800	24800	24800	24800	24800
	DLV	NO OF DELIVERY	43	43	43	43	43	43	43	43	43	43
		PROCEEDS	6020	6020	6020	6020	6020	6020	6020	6020	6020	6020
	TOTAL		238020	240900	243780	246660	249540	252420	252420	252420	252420	252420
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1744200	1778400	1812600	1846800	1881000	1881000	1881000	1881000	1881000
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR&MANT OF FCLT	BUILDING	8141	8141	8141	8141	8141	8141	8141	8141	8141	8141
		BUILDING EQUIPMENT	40225	40225	40225	40225	40225	40225	40225	40225	40225	40225
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	66931	66931	66931	66931	66931	66931	175150	175150	175150	175150
	OTHERS		177315	179029	180739	182449	184159	185869	191279	191279	191279	191279
	TOTAL		3723687	3759596	3795506	3831416	3867326	3903236	4016866	4016866	4016866	4016866

			11	12	13	14	15	16	17	18	19	20
REV	IN-PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT-PAT	NO OF PATIENT	3330	3330	3330	3330	3330	3330	3330	3330	3330	3330
		PROCEEDS	66600	66600	66600	66600	66600	66600	66600	66600	66600	66600
	OPRT	NO OF OPERATION	40	40	40	40	40	40	40	40	40	40
		PROCEEDS	24800	24800	24800	24800	24800	24800	24800	24800	24800	24800
	DLV	NO OF DELIVERY	43	43	43	43	43	43	43	43	43	43
		PROCEEDS	6020	6020	6020	6020	6020	6020	6020	6020	6020	6020
	TOTAL		252420	252420	252420	252420	252420	252420	252420	252420	252420	252420
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR&MANT OF FCLT	BUILDING	8141	8141	8141	8141	8141	64448	64448	64448	64448	64448
		BUILDING EQUIPMENT	40225	40225	40225	40225	40225	274708	274708	274708	274708	274708
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	175150	175150	175150	175150	175150	465940	465940	465940	465940	465940
	OTHERS		191279	191279	191279	191279	191279	205819	205819	205819	205819	205819
	TOTAL		4016866	4016866	4016866	4016866	4016866	4322196	4322196	4322196	4322196	4322196

***** I-7 GABRELA SILANG P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	5100	5446	5792	6138	6484	6830	6830	6830	6830	6830
		PROCEEDS	102000	108920	115840	122760	129680	136600	136600	136600	136600	136600
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	82	82	82	82	82	82	82	82	82	82
		PROCEEDS	11480	11480	11480	11480	11480	11480	11480	11480	11480	11480
	TOTAL		305680	312600	319520	326440	333360	340280	340280	340280	340280	340280
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1966500	1966500	1966500	1966500	1966500
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	REPR& MANT OF FCLT	BUILDING	13039	13039	13039	13039	13039	13039	13039	13039	13039	13039
		BUILDING EQUIPMENT	41037	41037	41037	41037	41037	41037	41037	41037	41037	41037
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	72641	72641	72641	72641	72641	72641	180860	180860	180860	180860
	OTHERS		177604	180169	182734	185299	187864	190429	195840	195840	195840	195840
	TOTAL		3729682	3783547	3837412	3891277	3945142	3999007	4112637	4112637	4112637	4112637

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830
		PROCEEDS	136600	136600	136600	136600	136600	136600	136600	136600	136600	136600
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	82	82	82	82	82	82	82	82	82	82
		PROCEEDS	11480	11480	11480	11480	11480	11480	11480	11480	11480	11480
	TOTAL		340280	340280	340280	340280	340280	340280	340280	340280	340280	340280
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1966500	1966500	1966500	1966500	1966500	1966500	1966500	1966500	1966500	1966500
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	REPR& MANT OF FCLT	BUILDING	13039	13039	13039	13039	13039	103227	103227	103227	103227	103227
		BUILDING EQUIPMENT	41037	41037	41037	41037	41037	280252	280252	280252	280252	280252
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	180860	180860	180860	180860	180860	510263	510263	510263	510263	510263
	OTHERS		195840	195840	195840	195840	195840	212310	212310	212310	212310	212310
	TOTAL		4112637	4112637	4112637	4112637	4112637	4458510	4458510	4458510	4458510	4458510

***** I-8 DON MARIANO MARCOS P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	1630	1713	1796	1879	1961	2044	2127	2210	2210	2210
		PROCEEDS	32600	34257	35914	37571	39229	40886	42543	44200	44200	44200
	OPRT	NO OF OPERATION	90	90	90	90	90	90	90	90	90	90
		PROCEEDS	55800	55800	55800	55800	55800	55800	55800	55800	55800	55800
	DLV	NO OF DELIVERY	32	32	32	32	32	32	32	32	32	32
		PROCEEDS	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480
	TOTAL		322880	324537	326194	327851	329509	331166	332823	334480	334480	334480
EXP	PERSONAL SERVICE		1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300
	SUPPLIES & MATERIALS		1710000	1744200	1778400	1812600	1846800	1881000	1915200	1949400	1949400	1949400
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	250000	250000	250000	250000	250000	250000	250000	250000	250000	250000
		SUB-TOTAL	346000	346000	346000	346000	346000	346000	346000	346000	346000	346000
	RPR&MAINT OF FCLTI	BUILDING	19104	19104	19104	19104	19104	19104	19104	19104	19104	19104
		BUILDING EQUIPMENT	45920	45920	45920	45920	45920	45920	45920	45920	45920	45920
		MDCL EQURMNT & FRNTR	24575	24575	24575	24575	24575	24575	167832	167832	167832	167832
		SUB-TOTAL	89599	89599	89599	89599	89599	89599	232856	232856	232856	232856
	OTHERS		153545	155255	156965	158675	200385	202095	210968	212678	212678	212678
	TOTAL		4064441	4100351	4136261	4172171	4208081	4243991	4430320	4466230	4466230	4466230

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
		PROCEEDS	44200	44200	44200	44200	44200	44200	44200	44200	44200	44200
	OPRT	NO OF OPERATION	90	90	90	90	90	90	90	90	90	90
		PROCEEDS	55800	55800	55800	55800	55800	55800	55800	55800	55800	55800
	DLV	NO OF DELIVERY	32	32	32	32	32	32	32	32	32	32
		PROCEEDS	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480
	TOTAL		334480	334480	334480	334480	334480	334480	334480	334480	334480	334480
EXP	PERSONAL SERVICE		1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300
	SUPPLIES & MATERIALS		1949400	1949400	1949400	1949400	1949400	1949400	1949400	1949400	1949400	1949400
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	250000	250000	250000	250000	250000	250000	250000	250000	250000	250000
		SUB-TOTAL	346000	346000	346000	346000	346000	346000	346000	346000	346000	346000
	RPR&MAINT OF FCLTI	BUILDING	19104	19104	19104	19104	19104	151248	151248	151248	151248	151248
		BUILDING EQUIPMENT	45920	45920	45920	45920	45920	313600	313600	313600	313600	313600
		MDCL EQURMNT & FRNTR	167832	167832	167832	167832	167832	167832	167832	167832	167832	167832
		SUB-TOTAL	232856	232856	232856	232856	232856	632672	632672	632672	632672	632672
	OTHERS		212678	212678	212678	212678	212678	232669	232669	232669	232669	232669
	TOTAL		4466230	4466230	4466230	4466230	4466230	4886037	4886037	4886037	4886037	4886037

***** I-9 ILLEGOS NORTE *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	6200	6200	6200	6200	6200	6200	6200	6200	6200	6200
		PROCEEDS	310000	310000	310000	310000	310000	310000	310000	310000	310000	310000
	OUT. PAT	NO OF PATIENT	3310	3506	3702	3898	4094	4290	4290	4290	4290	4290
		PROCEEDS	66200	70120	74040	77960	81880	85800	85800	85800	85800	85800
	OPRT	NO OF OPERATION	170	170	170	170	170	170	170	170	170	170
		PROCEEDS	105400	105400	105400	105400	105400	105400	105400	105400	105400	105400
	DLV	NO OF DELIVERY	79	79	79	79	79	79	79	79	79	79
		PROCEEDS	11060	11060	11060	11060	11060	11060	11060	11060	11060	11060
	TOTAL		492660	496580	500500	504420	508340	512260	512260	512260	512260	512260
EXP	PERSONAL SERVICE		2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900
	SUPPLIES & MATERIALS		3420000	3488400	3556800	3625200	3693600	3762000	3762000	3762000	3762000	3762000
	RUN CST	L.P.GAS	111000	111000	111000	111000	111000	111000	111000	111000	111000	111000
		GENERATOR	328000	328000	328000	328000	328000	328000	328000	328000	328000	328000
		SUB-TOTAL	439000	439000	439000	439000	439000	439000	439000	439000	439000	439000
	RPR&MANT OF FCLT	BUILDING	15103	15103	15103	15103	15103	15103	15103	15103	15103	15103
		BUILDING EQUIPMENT	51361	51361	51361	51361	51361	51361	51361	51361	51361	51361
		MDCL EQURMNT & FRNTR	27995	27995	27995	27995	27995	27995	191184	191184	191184	191184
		SUB-TOTAL	94459	94459	94459	94459	94459	94459	257648	257648	257648	257648
	OTHERS		307368	310788	314208	317628	321048	324468	332627	332627	332627	332627
	TOTAL		6454722	6526542	6598362	6670182	6742002	6813822	6985170	6985170	6985170	6985170

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	6200	6200	6200	6200	6200	6200	6200	6200	6200	6200
		PROCEEDS	310000	310000	310000	310000	310000	310000	310000	310000	310000	310000
	OUT. PAT	NO OF PATIENT	4290	4290	4290	4290	4290	4290	4290	4290	4290	4290
		PROCEEDS	85800	85800	85800	85800	85800	85800	85800	85800	85800	85800
	OPRT	NO OF OPERATION	170	170	170	170	170	170	170	170	170	170
		PROCEEDS	105400	105400	105400	105400	105400	105400	105400	105400	105400	105400
	DLV	NO OF DELIVERY	79	79	79	79	79	79	79	79	79	79
		PROCEEDS	11060	11060	11060	11060	11060	11060	11060	11060	11060	11060
	TOTAL		512260	512260	512260	512260	512260	512260	512260	512260	512260	512260
EXP	PERSONAL SERVICE		2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900	2193900
	SUPPLIES & MATERIALS		3762000	3762000	3762000	3762000	3762000	3762000	3762000	3762000	3762000	3762000
	RUN CST	L.P.GAS	111000	111000	111000	111000	111000	111000	111000	111000	111000	111000
		GENERATOR	328000	328000	328000	328000	328000	328000	328000	328000	328000	328000
		SUB-TOTAL	439000	439000	439000	439000	439000	439000	439000	439000	439000	439000
	RPR&MANT OF FCLT	BUILDING	15103	15103	15103	15103	15103	119567	119567	119567	119567	119567
		BUILDING EQUIPMENT	51361	51361	51361	51361	51361	350756	350756	350756	350756	350756
		MDCL EQURMNT & FRNTR	191184	191184	191184	191184	191184	191184	191184	191184	191184	191184
		SUB-TOTAL	257648	257648	257648	257648	257648	661507	661507	661507	661507	661507
	OTHERS		332627	332627	332627	332627	332627	352820	352820	352820	352820	352820
	TOTAL		6985170	6985170	6985170	6985170	6985170	7409222	7409222	7409222	7409222	7409222

***** 2-1 CAGAYAN R.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN-PAT	NO OF PATIENT	9300	9300	9300	9300	9300	9300	9300	9300	9300	9300
		PROCEEDS	465000	465000	465000	465000	465000	465000	465000	465000	465000	465000
	OUT-PAT	NO OF PATIENT	6750	7025	7267	7506	7744	7983	8221	8460	8460	8460
		PROCEEDS	135600	140571	145343	150114	154886	159657	164429	169200	169200	169200
	OPRT	NO OF OPERATION	150	190	190	190	190	190	190	190	190	190
		PROCEEDS	117800	117800	117800	117800	117800	117800	117800	117800	117800	117800
	OLV	NO OF DELIVERY	180	180	180	180	180	180	180	180	180	180
		PROCEEDS	25200	25200	25200	25200	25200	25200	25200	25200	25200	25200
	TOTAL		743800	748571	753343	758114	762886	767657	772429	777200	777200	777200
EXP	PERSONAL SERVICE		3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360
	SUPPLIES & MATERIALS		7710000	7787100	7864200	7941300	8018400	8095500	8172600	8249700	8249700	8249700
	RUN CST	L.P.GAS	146000	146000	146000	146000	146000	146000	146000	146000	146000	146000
		GENERATOR	406000	406000	406000	406000	406000	406000	406000	406000	406000	406000
		SUB-TOTAL	552000	552000	552000	552000	552000	552000	552000	552000	552000	552000
	RPR&MANT OF FCLT	BUILDING	37800	37800	37800	37800	37800	37800	37800	37800	37800	37800
		BUILDING EQUIPMENT	72541	72541	72541	72541	72541	72541	72541	72541	72541	72541
		MDCL EQURMNT & FRNTR	43718	43718	43718	43718	43718	43718	298564	298564	298564	298564
		SUB-TOTAL	154059	154059	154059	154059	154059	154059	408905	408905	408905	408905
	OTHERS		615371	619226	623081	626936	630791	634646	651243	655098	655098	655098
	TOTAL		12922781	13003736	13084691	13165646	13246601	13327556	13676098	13757053	13757053	13757053

			11	12	13	14	15	16	17	18	19	20
REV	IN-PAT	NO OF PATIENT	9300	9300	9300	9300	9300	9300	9300	9300	9300	9300
		PROCEEDS	465000	465000	465000	465000	465000	465000	465000	465000	465000	465000
	OUT-PAT	NO OF PATIENT	8460	8460	8460	8460	8460	8460	8460	8460	8460	8460
		PROCEEDS	169200	169200	169200	169200	169200	169200	169200	169200	169200	169200
	OPRT	NO OF OPERATION	190	190	190	190	190	190	190	190	190	190
		PROCEEDS	117800	117800	117800	117800	117800	117800	117800	117800	117800	117800
	OLV	NO OF DELIVERY	180	180	180	180	180	180	180	180	180	180
		PROCEEDS	25200	25200	25200	25200	25200	25200	25200	25200	25200	25200
	TOTAL		777200	777200	777200	777200	777200	777200	777200	777200	777200	777200
EXP	PERSONAL SERVICE		3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360	3891360
	SUPPLIES & MATERIALS		8249700	8249700	8249700	8249700	8249700	8249700	8249700	8249700	8249700	8249700
	RUN CST	L.P.GAS	146000	146000	146000	146000	146000	146000	146000	146000	146000	146000
		GENERATOR	406000	406000	406000	406000	406000	406000	406000	406000	406000	406000
		SUB-TOTAL	552000	552000	552000	552000	552000	552000	552000	552000	552000	552000
	RPR&MANT OF FCLT	BUILDING	37800	37800	37800	37800	37800	299250	299250	299250	299250	299250
		BUILDING EQUIPMENT	72541	72541	72541	72541	72541	495404	495404	495404	495404	495404
		MDCL EQURMNT & FRNTR	298564	298564	298564	298564	298564	298564	298564	298564	298564	298564
		SUB-TOTAL	408905	408905	408905	408905	408905	1093218	1093218	1093218	1093218	1093218
	OTHERS		655098	655098	655098	655098	655098	689314	689314	689314	689314	689314
	TOTAL		13757053	13757053	13757053	13757053	13757053	14475581	14475581	14475581	14475581	14475581

***** 2-3 KALINGA APAYAO P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	3260	3495	3730	3965	4200	4200	4200	4200	4200	4200
		PROCEEDS	65200	69900	74600	79300	84000	84000	84000	84000	84000	84000
	OPRT	NO OF OPERATION	70	70	70	70	70	70	70	70	70	70
		PROCEEDS	43400	43400	43400	43400	43400	43400	43400	43400	43400	43400
	DLV	NO OF DELIVERY	10	10	10	10	10	10	10	10	10	10
		PROCEEDS	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	TOTAL		265000	269700	274400	279100	283800	283800	283800	283800	283800	283800
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1915200	1915200	1915200	1915200	1915200
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	10304	10304	10304	10304	10304	10304	10304	10304	10304	10304
		BUILDING EQUIPMENT	43349	43349	43349	43349	43349	43349	43349	43349	43349	43349
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	72218	72218	72218	72218	72218	72218	180438	180438	180438	180438
	OTHERS		177583	180148	182713	185278	187843	187843	193254	193254	193254	193254
	TOTAL		3729239	3783104	3836969	3890834	3944699	3944699	4058329	4058329	4058329	4058329

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	4200	4200	4200	4200	4200	4200	4200	4200	4200	4200
		PROCEEDS	84000	84000	84000	84000	84000	84000	84000	84000	84000	84000
	OPRT	NO OF OPERATION	70	70	70	70	70	70	70	70	70	70
		PROCEEDS	43400	43400	43400	43400	43400	43400	43400	43400	43400	43400
	DLV	NO OF DELIVERY	10	10	10	10	10	10	10	10	10	10
		PROCEEDS	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	TOTAL		283800	283800	283800	283800	283800	283800	283800	283800	283800	283800
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	10304	10304	10304	10304	10304	81576	81576	81576	81576	81576
		BUILDING EQUIPMENT	43349	43349	43349	43349	43349	296044	296044	296044	296044	296044
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	180438	180438	180438	180438	180438	504404	504404	504404	504404	504404
	OTHERS		193254	193254	193254	193254	193254	209452	209452	209452	209452	209452
	TOTAL		4058329	4058329	4058329	4058329	4058329	4398493	4398493	4398493	4398493	4398493

***** 2-4 CAGAYAN P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	1750	1935	2080	2225	2370	2370	2370	2370	2370	2370
		PROCEEDS	35800	38700	41600	44500	47400	47400	47400	47400	47400	47400
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	10	10	10	10	10	10	10	10	10	10
		PROCEEDS	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	TOTAL		204600	207500	210400	213300	216200	216200	216200	216200	216200	216200
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1915200	1915200	1915200	1915200	1915200
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	12978	12978	12978	12978	12978	12978	12978	12978	12978	12978
		BUILDING EQUIPMENT	41070	41070	41070	41070	41070	41070	41070	41070	41070	41070
		MDCL EQUPMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	72612	72612	72612	72612	72612	72612	180832	180832	180832	180832
	OTHERS		177603	180168	182733	185298	187863	187863	193274	193274	193274	193274
	TOTAL		3729652	3783517	3837382	3891247	3945112	3945112	4058742	4058742	4058742	4058742

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370
		PROCEEDS	47400	47400	47400	47400	47400	47400	47400	47400	47400	47400
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	10	10	10	10	10	10	10	10	10	10
		PROCEEDS	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	TOTAL		216200	216200	216200	216200	216200	216200	216200	216200	216200	216200
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200	1915200
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	12978	12978	12978	12978	12978	102742	102742	102742	102742	102742
		BUILDING EQUIPMENT	41070	41070	41070	41070	41070	280476	280476	280476	280476	280476
		MDCL EQUPMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	180832	180832	180832	180832	180832	510002	510002	510002	510002	510002
	OTHERS		193274	193274	193274	193274	193274	209732	209732	209732	209732	209732
	TOTAL		4058742	4058742	4058742	4058742	4058742	4404371	4404371	4404371	4404371	4404371

***** 2-5 ISABELA P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	3200	3507	3813	4120	4427	4733	5040	5040	5040	5040
		PROCEEDS	64000	70133	76267	82400	88533	94667	100800	100800	100800	100800
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	50	50	50	50	50	50	50	50	50	50
		PROCEEDS	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000
	TOTAL		338200	344333	350467	356600	362733	368867	375000	375000	375000	375000
EXP	PERSONAL SERVICE		1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540
	SUPPLIES & MATERIALS		2565000	2641950	2718900	2795850	2872800	2949750	3026700	3026700	3026700	3026700
	RUN CST	L.P.GAS	103000	103000	103000	103000	103000	103000	103000	103000	103000	103000
		GENERATOR	296000	296000	296000	296000	296000	296000	296000	296000	296000	296000
		SUB-TOTAL	399000	399000	399000	399000	399000	399000	399000	399000	399000	399000
	RPR& MANT OF FCLT	BUILDING	11867	11867	11867	11867	11867	11867	11867	11867	11867	11867
		BUILDING EQUIPMENT	55973	55973	55973	55973	55973	55973	55973	55973	55973	55973
		MDCL EQUPMNT & FRNTR	19586	19586	19586	19586	19586	19586	133756	133756	133756	133756
		SUB-TOTAL	87426	87426	87426	87426	87426	87426	201596	201596	201596	201596
	OTHERS		238598	242846	246693	250541	254388	258236	267792	267792	267792	267792
	TOTAL		5018960	5099758	5180555	5261353	5342150	5422947	5623624	5623624	5623624	5623624

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	5040	5040	5040	5040	5040	5040	5040	5040	5040	5040
		PROCEEDS	100800	100800	100800	100800	100800	100800	100800	100800	100800	100800
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	50	50	50	50	50	50	50	50	50	50
		PROCEEDS	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000
	TOTAL		375000	375000	375000	375000	375000	375000	375000	375000	375000	375000
EXP	PERSONAL SERVICE		1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540	1728540
	SUPPLIES & MATERIALS		3026700	3026700	3026700	3026700	3026700	3026700	3026700	3026700	3026700	3026700
	RUN CST	L.P.GAS	103000	103000	103000	103000	103000	103000	103000	103000	103000	103000
		GENERATOR	296000	296000	296000	296000	296000	296000	296000	296000	296000	296000
		SUB-TOTAL	399000	399000	399000	399000	399000	399000	399000	399000	399000	399000
	RPR& MANT OF FCLT	BUILDING	11867	11867	11867	11867	11867	93945	93945	93945	93945	93945
		BUILDING EQUIPMENT	55973	55973	55973	55973	55973	382256	382256	382256	382256	382256
		MDCL EQUPMNT & FRNTR	133756	133756	133756	133756	133756	133756	133756	133756	133756	133756
		SUB-TOTAL	201596	201596	201596	201596	201596	609957	609957	609957	609957	609957
	OTHERS		267792	267792	267792	267792	267792	288210	288210	288210	288210	288210
	TOTAL		5623624	5623624	5623624	5623624	5623624	6052403	6052403	6052403	6052403	6052403

***** 2-6 GURING P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	4260	4658	5037	5415	5793	6172	6550	6550	6550	6550
		PROCEEDS	85600	93167	100733	108300	115867	123433	131000	131000	131000	131000
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	9	9	9	9	9	9	9	9	9	9
		PROCEEDS	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
	TOTAL		254260	261827	269393	276960	284527	292093	299660	299660	299660	299660
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1966500	2017800	2017800	2017800	2017800
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	11165	11165	11165	11165	11165	11165	11165	11165	11165	11165
		BUILDING EQUIPMENT	54751	54751	54751	54751	54751	54751	54751	54751	54751	54751
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	84481	84481	84481	84481	84481	84481	192700	192700	192700	192700
	OTHERS		178198	180761	183328	185891	188456	191021	198997	198997	198997	198997
	TOTAL		3742114	3755979	3849844	3903709	3957574	4011439	4178934	4178934	4178934	4178934

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	6550	6550	6550	6550	6550	6550	6550	6550	6550	6550
		PROCEEDS	131000	131000	131000	131000	131000	131000	131000	131000	131000	131000
	OPRT	NO OF OPERATION	20	20	20	20	20	20	20	20	20	20
		PROCEEDS	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
	DLV	NO OF DELIVERY	9	9	9	9	9	9	9	9	9	9
		PROCEEDS	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
	TOTAL		299660	299660	299660	299660	299660	299660	299660	299660	299660	299660
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		2017800	2017800	2017800	2017800	2017800	2017800	2017800	2017800	2017800	2017800
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPR& MANT OF FCLT	BUILDING	11165	11165	11165	11165	11165	88388	88388	88388	88388	88388
		BUILDING EQUIPMENT	54751	54751	54751	54751	54751	373912	373912	373912	373912	373912
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	192700	192700	192700	192700	192700	589084	589084	589084	589084	589084
	OTHERS		198997	198997	198997	198997	198997	218816	218816	218816	218816	218816
	TOTAL		4178934	4178934	4178934	4178934	4178934	4595137	4595137	4595137	4595137	4595137

***** 2-7 IFUGAO P.H *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	1480	1634	1789	1943	2097	2251	2406	2560	2560	2560
		PROCEEDS	29600	32686	35771	38857	41943	45029	48114	51200	51200	51200
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	26	26	26	26	26	26	26	26	26	26
		PROCEEDS	3640	3640	3640	3640	3640	3640	3640	3640	3640	3640
	TOTAL		225440	228926	231611	234697	237783	240869	243954	247040	247040	247040
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1761300	1812600	1863900	1915200	1966500	2017800	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPRS MANT OF FCLT	BUILDING	12343	12343	12343	12343	12343	12343	12343	12343	12343	12343
		BUILDING EQUIPMENT	48294	48294	48294	48294	48294	48294	48294	48294	48294	48294
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126784	126784	126784	126784
		SUB-TOTAL	79202	79202	79202	79202	79202	79202	187421	187421	187421	187421
	OTHERS		137932	140497	143062	145627	148192	150757	198733	201298	201298	201298
	TOTAL		3736571	3750436	3844301	3898166	3952031	4005896	4173391	4227256	4227256	4227256

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	2560	2560	2560	2560	2560	2560	2560	2560	2560	2560
		PROCEEDS	51200	51200	51200	51200	51200	51200	51200	51200	51200	51200
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	26	26	26	26	26	26	26	26	26	26
		PROCEEDS	3640	3640	3640	3640	3640	3640	3640	3640	3640	3640
	TOTAL		247040	247040	247040	247040	247040	247040	247040	247040	247040	247040
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100	2069100
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPRS MANT OF FCLT	BUILDING	12343	12343	12343	12343	12343	97717	97717	97717	97717	97717
		BUILDING EQUIPMENT	48294	48294	48294	48294	48294	329812	329812	329812	329812	329812
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	187421	187421	187421	187421	187421	554313	554313	554313	554313	554313
	OTHERS		201298	201298	201298	201298	201298	219643	219643	219643	219643	219643
	TOTAL		4227256	4227256	4227256	4227256	4227256	4612492	4612492	4612492	4612492	4612492

***** 2-8 MAJ.F.MARCOS M.D *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	3210	3378	3545	3713	3880	3880	3880	3880	3880	3880
		PROCEEDS	64200	67550	70900	74250	77600	77600	77600	77600	77600	77600
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	94	94	94	94	94	94	94	94	94	94
		PROCEEDS	13160	13160	13160	13160	13160	13160	13160	13160	13160	13160
	TOTAL		344560	347910	351260	354610	357960	357960	357960	357960	357960	357960
EXP	PERSONAL SERVICE		1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300
	SUPPLIES & MATERIALS		2565000	2616300	2667600	2718900	2770200	2770200	2770200	2770200	2770200	2770200
	RUN CST	L.P.GAS	103000	103000	103000	103000	103000	103000	103000	103000	103000	103000
		GENERATOR	296000	296000	296000	296000	296000	296000	296000	296000	296000	296000
		SUB-TOTAL	399000	399000	399000	399000	399000	399000	399000	399000	399000	399000
	RPR& MANT OF FCLT	BUILDING	15919	15919	15919	15919	15919	15919	15919	15919	15919	15919
		BUILDING EQUIPMENT	53866	53866	53866	53866	53866	53866	53866	53866	53866	53866
		MDCL EQURMNT & FRNTR	25317	25317	25317	25317	25317	25317	172900	172900	172900	172900
		SUB-TOTAL	95102	95102	95102	95102	95102	95102	242685	242685	242685	242685
	OTHERS		239220	241785	244350	246915	249480	249480	256859	256859	256859	256859
	TOTAL		5023619	5077484	5131349	5185214	5239079	5239079	5394040	5394040	5394040	5394040

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
		PROCEEDS	230000	230000	230000	230000	230000	230000	230000	230000	230000	230000
	OUT. PAT	NO OF PATIENT	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880
		PROCEEDS	77600	77600	77600	77600	77600	77600	77600	77600	77600	77600
	OPRT	NO OF OPERATION	60	60	60	60	60	60	60	60	60	60
		PROCEEDS	37200	37200	37200	37200	37200	37200	37200	37200	37200	37200
	DLV	NO OF DELIVERY	94	94	94	94	94	94	94	94	94	94
		PROCEEDS	13160	13160	13160	13160	13160	13160	13160	13160	13160	13160
	TOTAL		357960	357960	357960	357960	357960	357960	357960	357960	357960	357960
EXP	PERSONAL SERVICE		1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300	1725300
	SUPPLIES & MATERIALS		2770200	2770200	2770200	2770200	2770200	2770200	2770200	2770200	2770200	2770200
	RUN CST	L.P.GAS	103000	103000	103000	103000	103000	103000	103000	103000	103000	103000
		GENERATOR	296000	296000	296000	296000	296000	296000	296000	296000	296000	296000
		SUB-TOTAL	399000	399000	399000	399000	399000	399000	399000	399000	399000	399000
	RPR& MANT OF FCLT	BUILDING	15919	15919	15919	15919	15919	126027	126027	126027	126027	126027
		BUILDING EQUIPMENT	53866	53866	53866	53866	53866	367864	367864	367864	367864	367864
		MDCL EQURMNT & FRNTR	172900	172900	172900	172900	172900	172900	172900	172900	172900	172900
		SUB-TOTAL	242685	242685	242685	242685	242685	666791	666791	666791	666791	666791
	OTHERS		256859	256859	256859	256859	256859	278065	278065	278065	278065	278065
	TOTAL		5394040	5394040	5394040	5394040	5394040	5839351	5839351	5839351	5839351	5839351

***** 2-9 NUEVA VIZCAYA P.h *****

			1	2	3	4	5	6	7	8	9	10
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	2300	2446	2592	2738	2884	3030	3030	3030	3030	3030
		PROCEEDS	46000	48920	51840	54760	57680	60600	60600	60600	60600	60600
	OPRT	NO OF OPERATION	30	30	30	30	30	30	30	30	30	30
		PROCEEDS	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600
	DLV	NO OF DELIVERY	22	22	22	22	22	22	22	22	22	22
		PROCEEDS	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080
	TOTAL		222680	225600	228520	231440	234360	237280	237280	237280	237280	237280
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1710000	1744200	1778400	1812600	1846800	1881000	1881000	1881000	1881000	1881000
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPRG MANT OF FCLT	BUILDING	8195	8195	8195	8195	8195	8195	8195	8195	8195	8195
		BUILDING EQUIPMENT	42283	42283	42283	42283	42283	42283	42283	42283	42283	42283
		MDCL EQURMNT & FRNTR	18565	18565	18565	18565	18565	18565	126184	126784	126784	126784
		SUB-TOTAL	69043	69043	69043	69043	69043	69043	177262	177262	177262	177262
	OTHERS		177424	179134	180844	182554	184264	185974	191385	191385	191385	191385
	TOTAL		3725504	3761814	3797724	3833634	3869544	3905454	4019084	4019084	4019084	4019084

			11	12	13	14	15	16	17	18	19	20
REV	IN. PAT	NO OF PATIENT	3100	3100	3100	3100	3100	3100	3100	3100	3100	3100
		PROCEEDS	155000	155000	155000	155000	155000	155000	155000	155000	155000	155000
	OUT. PAT	NO OF PATIENT	3030	3030	3030	3030	3030	3030	3030	3030	3030	3030
		PROCEEDS	60600	60600	60600	60600	60600	60600	60600	60600	60600	60600
	OPRT	NO OF OPERATION	30	30	30	30	30	30	30	30	30	30
		PROCEEDS	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600
	DLV	NO OF DELIVERY	22	22	22	22	22	22	22	22	22	22
		PROCEEDS	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080
	TOTAL		237280	237280	237280	237280	237280	237280	237280	237280	237280	237280
EXP	PERSONAL SERVICE		1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440	1408440
	SUPPLIES & MATERIALS		1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000	1881000
	RUN CST	L.P.GAS	96000	96000	96000	96000	96000	96000	96000	96000	96000	96000
		GENERATOR	265000	265000	265000	265000	265000	265000	265000	265000	265000	265000
		SUB-TOTAL	361000	361000	361000	361000	361000	361000	361000	361000	361000	361000
	RPRG MANT OF FCLT	BUILDING	8195	8195	8195	8195	8195	64875	64875	64875	64875	64875
		BUILDING EQUIPMENT	42283	42283	42283	42283	42283	288764	288764	288764	288764	288764
		MDCL EQURMNT & FRNTR	126784	126784	126784	126784	126784	126784	126784	126784	126784	126784
		SUB-TOTAL	177262	177262	177262	177262	177262	480423	480423	480423	480423	480423
	OTHERS		191385	191385	191385	191385	191385	206543	206543	206543	206543	206543
	TOTAL		4019084	4019084	4019084	4019084	4019084	4337403	4337403	4337403	4337403	4337403