

## **Chapter 3 Implementation Plan**

## **Chapter 3 Implementation Plan**

### **3-1 Implementation Plan**

#### **3-1-1 Implementation Concept**

This Project shall be implemented strictly in accordance with the Japanese Grant Aid principle. After signing of the Exchange of Notes (E/N), a Japanese Consultant recommended by Japan International Cooperation Agency will act on behalf of the Government of Balochistan based on the consultant agreement between the Government of Balochistan and Consultant to;

- (1) Prepare tender documents for the Project which include the specifications of the Equipment / Instruments list under the Project and requirements for tendering
- (2) select and determine the Supplier (Japanese Enterprise) who will procure the Equipment and necessary services therewith upon evaluation thereof.
- (3) inspect the quality of equipment strictly in accordance with the technical specifications and the relevant tender requirements to give approval to Supplier on behalf of the Government of Balochistan prior to shipment.
- (4) supervise shipment and in-land transportation.
- (5) supervise commissioning of the Equipment which includes initial operational training to the end users
- (6) furthermore, until the fulfillment of the warranty, careful supervision shall be done by the Consultant and when some default will be found, such remedy shall be done immediately by the Supplier upon the direction and supervision of the Consultant

BHUs and RHCs are located in the 6 divisions of the Province, however, the cities where the Divisional Health Offices are located have good traffic measures and the difficulties which causes delivery of the equipment will not be anticipated. The equipment to be procured for the Project will be procured from Japan except for the one procured locally. Necessary consumables to be required with the equipment will be included for the quantity that will be necessary for the period in accordance with the estimation made by the Consultant for each equipment. X-ray Plant which requires installation and commissioning shall be made by the Supplier as his works under the Project. Maintenance training for generator shall be made in accordance with the direction of Divisional Health Offices. Pre-shipment inspection shall be made by the Consultant. Necessary labors required for the installation works will be prepared locally except for the engineers who could make commissioning will be prepared from Japan. Intimate discussions will be made at the detailed designing state and thereafter between the representatives of the Supplier and the project officers of the Government of Balochistan as to the Equipment transportation, installation, initial operation and commissioning until the final acceptance of the Project Equipment. To lead the discussions to be successful, following will be required.

- (1) Balochistan is located in the subtropical desert area and some difficulties are anticipated for transportation, storage and opening the packages during winter when the temperature becomes 10 degrees below 0 in some area. Also special care will be needed to prevent from thievery during the storage from opening package to the final delivery. Therefore, both parties should have mutual consultation well in advance about delivery, storage and installation procedures
- (2) Some Equipment will need modification work to the existing facility (they are partition, foundation, switch board, outlet fixing etc.). Detailed drawings will be prepared to fix the scope of work between the parties in order to avoid unnecessary troubles from such modification work.
- (3) Diversified items of the Equipment will be procured. Reasonable period of time will be assigned to secure successful technical transfer from the manufacturers to the relevant personnel including medical officers and paramedical personnel of the project institutions. Time schedule of such transfer will be prepared by mutual consultation between the parties well in advance.
- (4) Safety precaution should be made as to the installation and operation of the specific Equipment. Sufficient care should be taken to minimize trouble and accident with enough preparation and discussions.
- (5) Sufficient quantity of electricity supply, water supply, enough care to sanitary system and pollution to the community and safety precaution would be secured.  
These considerations are inevitably required for the successful operation of the Equipment as appropriate.
- (6) The consultant will supervise the Supplier if they will fulfill all the duties and obligations specified in the Supply Contract until the completion of the Project. The Consultant will make the Supplier to submit necessary reports to the Government of Balochistan from time to time in due course of the procedure.

The Project shall be implemented on the following responsibility of each party concerned.

(1) Project Executing Institution

Balochistan Government. is responsible to direct the project in Pakistan and The Health Department of the Government of Balochistan will be acting as the executing institution. Director General Health Services is responsible for the Project as the project management. Director General Health Services will select and appoint relevant experts including facility engineers to implement the project.

The Supplier is further responsible for proper operation and maintenance of the equipment even after the acceptance of the equipment.

During the mechanical warranty period, the Supplier will replace any and all the defaults with new one at the cost of the Supplier. Pakistan party shall be cooperative to carry out such remedy and modification work smoothly.

The relevant experts are totally responsible for the following scope of work during the period from storage, package opening, installation and commissioning until final acceptance.

- ① Set up the project implementation by which you can ensure smooth technical transfer at commissioning stage.
- ② Select and appoint qualified technical experts to attend/supervise the initial operational training and trouble shooting of the Equipment.
- ③ Select and appoint qualified engineers who are responsible for electricity and water supply and drainage facility.

**(2) Consultant**

Consultant will execute Consultant Agreement with the Government of Balochistan within reasonable period of time after signing E/N between the governments concerned. This agreement extensively covers from detailed designing, project supervision to the completion of the Project. This agreement becomes valid upon verification of the Japanese Government.

Consultant is responsible for the following services at each stage of the Project:

- ① To prepare and finalize tender documents for the procurement of the Equipment
- ② To evaluate the tenders and select the Supplier
- ③ To supervise the procurement procedures and make inspection as well as managing initial operational training after installation to be made by the Supplier
- ④ Overall Stage  
To make preparation of the technical documents to implement the Project which includes the Equipment layout drawings as appropriate and its approval

**(3) Procurement of the Equipment**

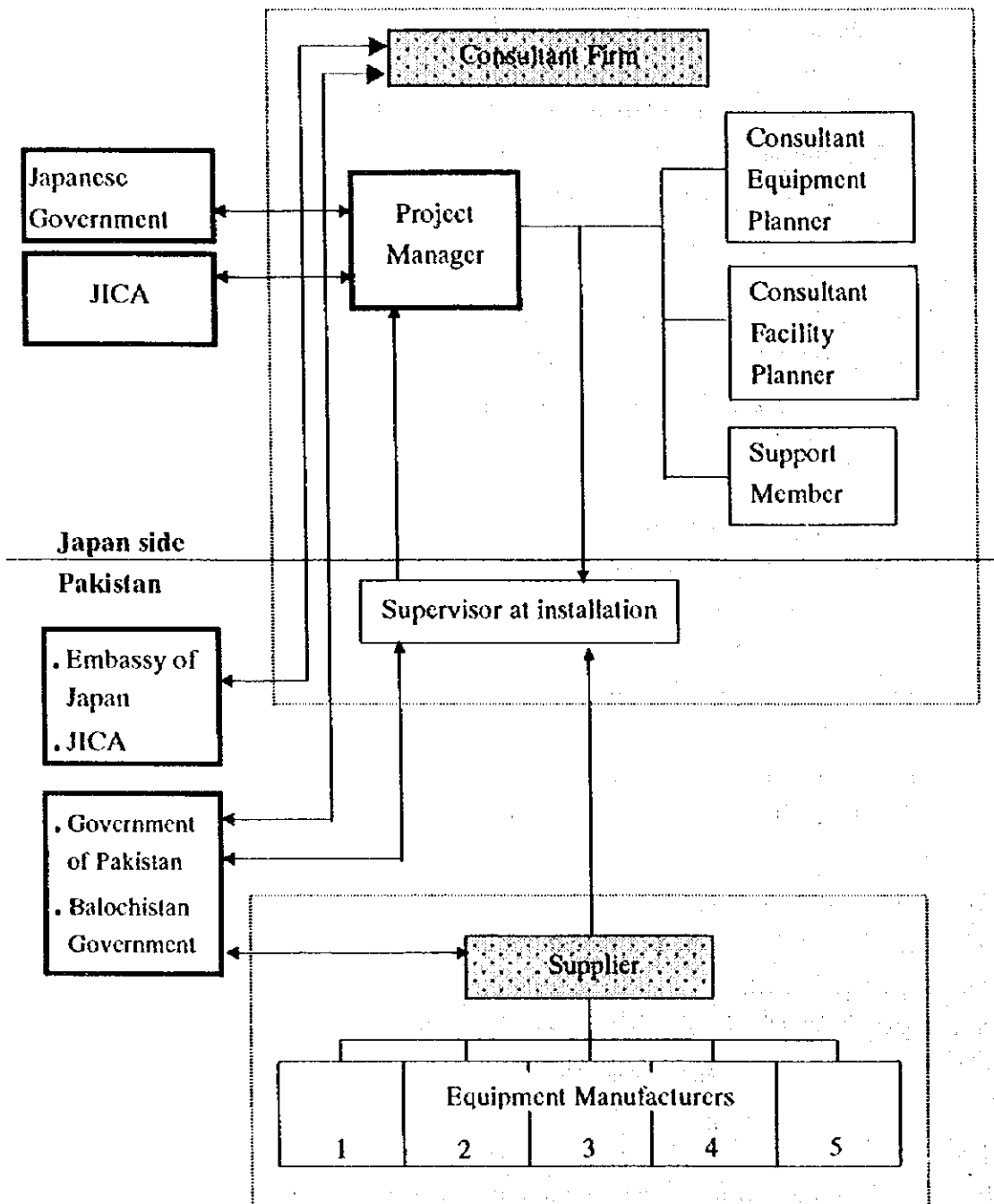
The Supplier will be selected to procure Equipment by the competitive tender, and the Supply Contract will be signed between the Government of Balochistan and the Supplier. This Contract will become valid upon verification of the Japanese Government.

The Supplier is responsible to procure Equipment and make smooth delivery thereof to the project institutions after installation and commissioning if required for which the

Consultant will supervise every services performed by the Supplier to the satisfaction of the Government of Balochistan under the Contract. Regarding the warranty conditions such as provision of the necessary spares with its technical services by the manufacturers and/or the local agents will be organized by the parties concerned of the Project.

The Project implementation organization chart is shown as follows.

**Project implementation organization chart**



### **3-1-2 Implementation Conditions**

Currently it is observed as follows:

① Electricity supply conditions

Voltage is fluctuating in some way and unexpected power failure takes place occasionally.

② Tap water and well water were examined regarding their quality and any specific problems were not detected, and therefore any pre-treatment will not be required. However, some Water Filtration Tank will be procured with the X-ray Plant for the Film Development System which requires filtration water.

③ Considering the bad road conditions of the Province, Ambulances will be 4 wheel driven type. The specifications of the ambulances should be taken note of these conditions.

### **3-1-3 Scope of Works**

Scope of work of each party concerned is confirmed as follows:

1) Scope of Work by Pakistan Side

- \* To secure enough space for large scale Equipment to be installed and to remove existing equipment if necessary.
- \* To carry out the transportation of the Instruments from the District Health Office to 454 BHUs and 60 RHCs.
- \* To secure enough space for storage of the Equipment to be procured.
- \* To bear cost not attributable to the Japanese grant aid budget.
- \* To carryout civil works (electric works, plumbing works, drainage, etc., required to install the Equipment in BHUs and RHCs.

2) Scope of Work by the Japanese Side

- \* To procure the Equipment / Instruments under the Project.
- \* To transport the Equipment to the BHUs and RHCs
- \* To transport the Instruments to the District Health Offices.
- \* To install and test-run the Equipment.
- \* To give operational training of the Equipment.

### **3-1-4 Consultant Supervision**

Consultant Agreement will be executed by and between the Executing Organization and the Japanese Consulting Firm strictly in accordance with the current grant-in-aid scheme.

The Consultant is neutrally responsible to conduct detailed designing, and execution of the Project supervision. The Consultant will supervise every actions taken by the Supplier during the Project implementation whether they are made in accordance with the requirements under the tender documents.

The details of the services are specified as follows:

- 1) **Tendering followed by the Supply Contract**  
All the tender documents will be prepared and delivered to all the eligible tenderers. These documents become executed upon approval by the Government of Balochistan. All the tender procedures will be managed and organized by the Consultant and all the tenders are carefully and extensively evaluated by the Consultant joined by the Government of Balochistan. Government of Balochistan and the Supplier will execute the Supply Contract for the fulfillment of the services for the Project.
- 2) **Advice, instruction and adjustment to be given to the Supplier.**  
Procurement and installation schedule are prepared by the Supplier and the Consultant will give advice, instruction and adjustment on behalf of the Government of Balochistan.
- 3) **Careful check in conformity with tender documents.**  
The Consultant is solely responsible to check the quality and workmanship of the Equipment if they are procured strictly in accordance with the tender documents.
- 4) **Pre-shipment Inspection**  
Pre-shipment inspection will be done by the Consultant to confirm if the equipment are procured in accordance with the specifications and give approval on behalf of the Government of Balochistan before its shipment.
- 5) **Periodic Report to the Government of Balochistan and JICA.**  
Consultant is responsible to wake periodic report to the Government of Balochistan and JICA in connection with the procurement/shipment as well as the installation progress.
- 6) **Test Run and Final Acceptance**  
When all the Equipment are properly installed and/or handed over, the Consultant will give order to the Supplier to implement test run and necessary commissioning services for the equipment so required until final acceptance by the Government of Balochistan. The Consultant will prepare the necessary report and make them known to all the people concerned for the issuance of the Completion Certificate.

### 3-1-5 Procurement Plan

Majority of the Equipment will be procured from Japan. Therefore, manufacturers and its local agents must be responsible to render spare parts supply, and various technical service including repair and replacement. Such being the situation, the Supplier must be equipped with the comprehensive maintenance and after sales service ability. It would be therefore preferred that the Equipment could be planned to be procured from the manufacturers who have its local agents in the neighboring countries as well.

- 1) X-ray plant and laboratory equipment must meet the following conditions, the details of which should be mentioned in the specifications in the tender documents.
  - ① Availability of a local agent who has engineers and worktops as well as a technical certificate for repair services issued by the original manufacturer.
  - ② Availability of the necessary spare parts and consumable items for the Equipment with the local agent..

- 2) Local agents and their respective capacity have been checked at Basic Design stage and it is concluded that they are equipped with sufficient ability.

Procurement of the Pakistan products is limitedly possible on the conditions that the quality is good and acceptable and their delivery schedule meets. Some ancillary equipment to be procured with the X-ray Plant are the possible items.

- 3) It takes for 90 days from shipment to proper storage at the site. More exactly 60 days for ocean transportation and 30 days for customs clearance and inland transportation. Procurement schedule must have sufficient time allowance including these period.

- 4) Japanese Trading Firms will be basically nominated as the qualified Suppliers. Tender procedures are carefully managed by the Consultant and the Supplier will be selected with the tender price and the compliance with the tender requirements.

The Supplier shall be the one who has submitted the lowest tender price. The tender price will be made on lump sum basis.

- 5) Transportation

The Equipment will be brought to Japanese port by truck and the ocean vessel will bring them to Pakistan port (Karachi). In-land transportation thereafter will be made by truck. Some sophisticated Equipment will be applied for special export package as fragile one or water proof. The Supplier must provide special care and attention to the Equipment while they are kept in Pakistan until their installation.

Equipment delivery requirement is shown as following table 3-1.



Table 3-1 Installation and Delivery Terms

Kit	Item No	Name of Kit Contents of Equipment	Delivery Terms		
			Installation	Operation Manual	Training
<b>BHU</b>					
A	1	Essential Diagnostic Kit (1) Diagnostic Set Stethoscope Hammer Sphygmomanometer(Aneroid) Laryngoscope (2) Weighing Scale for Adult Weighing Scale for Infant (3) BP Apparatus Fixed on Wall (4) Sphygmomanometer		○ (Sphygmomanometer)	
	2	First Aid Kit (1) First Aid Set Identification Material Set Resuscitator(Infant/Adult) Foot Suction Pump Bandages and Sanitary Set Portable Case		○ ○ (Sphygmomanometer)	
B	3	MCHC Kit (1) D&C Set, TBAs Kit Metal Catheter Various Forceps Vaginal Speculum with Retractor (2) Gynecological Birth Calendar Obstetric Stethoscope Measuring Tape Vaginal Speculum (3) Treatment Set Vaginal Forceps Vaginal Speculum Tray			
	4	Delivery Kit (1) Delivery Set Hemostasia Forceps Catheter Glycerin Enema Syringe			
C	5	Basic Laboratory Equipment Kit Laboratory Set Pipette Stand Clinical Refractometer Albuminometer Alcohol Lamp Micro Slide Glasses Reagent Glass			
	6	Multi Purpose Microscope (1) Basic Operation Set Instruments Set (knife, forceps, scissors, needle) Sterilizer		○	

Kit	Item No	Name of Kit Contents of Equipment	Delivery Terms		
			Installation	Operation Manual	Training
	7	Basic Operation Kit (1) Basic Operation Set Instruments Set (knife, forceps, scissors, needle) (2) Sterilizer			
	8	E.N.T. Kit (1) E.N.T. OPTH Set Ophthalmoscope Otoscope Laryngoscope Tongue Depressor Spot light			
	9	Dental Instruments Kit (1) Dental Instruments Set Pliers, Nipper etc.			
D	10	Others (1) X-Ray Plant (300mA) Developing System (Manual) Film Illuminator(1 Film) (2) Generator (3) Water Filtration Tank	○	○  ○ ○	○  ○
<b>RIIC</b>					
	11	Generator		○	○
	12	Spectrophotometer		○	
	13	Autoclave			
	14	Electric Centrifuge		○	
	15	Refrigerator			
	16	Operation Set (1) Mobile Operation Lamp w/ B (2) Operation Theater Table (3) OT Instruments		○ ○	
	17	Ambulance 4WD (Box Type) 4WD (Pick up Type)		○	
	18	Water Filtration Tank (0.5 t)		○	
	19	X-Ray Plant (300mA) (1) X-Ray (300mA) (2) Developing System(Manual) Film Illuminator (1 film)	○	○ ○ ○	○
	20	I/V Stand			
	21	Delivery Table		○	
	22	(1) Incubator (2) Water Bath		○ ○	
	23	Workshop Maintenance Tool		○	

### **3-1-6 Implementation Schedule**

The project implementation schedule will be divided into following stages.

- 1) Exchange of notes by both governments:  
Official notes exchanged for the execution of the Project.
- 2) Banking arrangement:  
Suitable bank will be selected for necessary banking procedures for the payment of the Project costs.
- 3) Consultant Service Agreement:  
Agreement to be concluded between the Government of Balochistan and the Consultant.
- 4) Verification:  
Verification to be made to the Consultant Service Agreement by the Government of Japan.
- 5) Authorization to Pay:  
A/P for the Consultant to be issued by the Pakistani authority after banking arrangement.
- 6) Tender Documents preparation:  
Consultant will prepare the Tender Documents to select the Supplier. The evaluation on the submitted tenders will be made jointly by the Government of Balochistan. Supply Contract will be concluded between the Government of Balochistan and the Supplier.
- 7) Verification of the Supply Contract by the Government of Japan:  
Verification to be made to the Supply Contract by the Government of Japan.
- 8) Authorization to Pay:  
A/P for the Supplier to be issued by the Pakistani authority after banking arrangement.
- 9) The drawings, if any, and specifications prepared and submitted by the Supplier to the Consultant will be given approval by the Consultant after formal approval by the Government of Balochistan.
- 10) Pre-shipment:  
Pre-shipment inspection will be done by the Consultant on behalf of the Government of Balochistan if the equipment is made in accordance with the specifications and all the requirements in the tender documents.
- 11) Supervision by the Consultant:  
The Consultant will dispatch its technical experts to the site to enable necessary technical transfer to be made successfully to the Government of Balochistan.

**12) Schedule Management:**

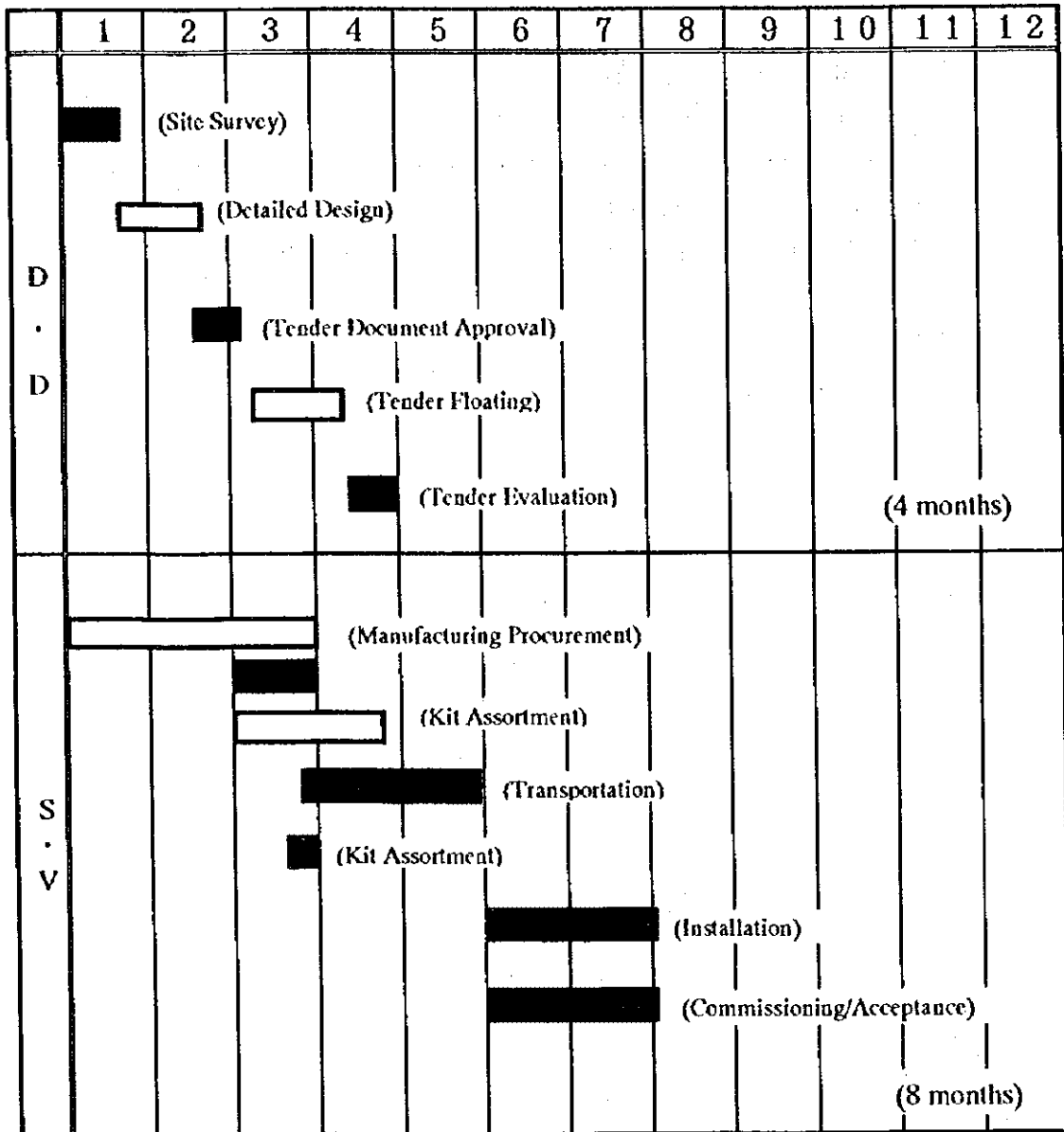
The Consultant will carefully manage the procurement and installation schedule so as to finish the final acceptance within the specified time limit.

**13) Commissioning and Completion:**

Test run and other necessary commissioning services work will be done by the Supplier under the presence and guidance of the Consultant. The final inspection report will be prepared by the Consultant and submitted to the Government of Balochistan for their confirmation of the Project conclusion.

Overall implementation schedule is as follows.

### Project Implementation Schedule



■ Work at the site

□ Domestic work

D·D means Detailed Design.

S·V means Supervising/Implementation of the Project.

### **3-1-7 Obligations of Recipient Country**

Necessary measures to be taken by the Government of Pakistan and the Government of Balochistan in accordance with the Exchange of Notes.

1. To provide the land for temporary site office, warehouse and stock yard during the implementation period.
2. To exempt all types of taxes and duties and to take necessary measures for customs clearance of the materials and equipment procured for the Project at the port of disembarkation.
3. To exempt Japanese nationals involved in the Project under the verified contracts from customs duties, internal taxes including sales tax and other fiscal levies which may be imposed in Pakistan with respect to the supply of the products and the services under the verified contracts.
4. To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such facilities as may be necessary for their entry in Pakistan and stay therein for the performance of their work.
5. To maintain and use properly and effectively the equipment procured under the Grant.
6. To bear all the expenses other than those to be borne by the Grant, necessary in connection with the implementation of the Project.
7. To bear commissions to the Japanese foreign exchange bank for the banking services based on Banking arrangement between the two governments.
8. To provide electricity, water supply, drainage and civil work on their own cost as explained in the Basic Design Study Report.
9. To provide the necessary staff under the criteria of selecting the instruments / equipment as explained in the Basic Design Study.

### 3-2 Project Cost Estimation

#### (1) Cost estimation borne by Pakistani Side

This project is the procurement of the Equipment. The project institutions are already ready for installation with adequate facilities concerned.

The cost to be born by the Pakistani side is estimated as 1,894,327rupees:

- ① Necessary banking charge incurred in Pakistan for the Banking Arrangement and issuance of the Authorization to Pay will be 1,706,727rupees.
- ② Transportation Cost between the District Health Offices and BHUs or RHCs will be around 140,000rupees comprising of;  
Average distance between DHO and/or BHUs/RHCs 200Km  
Average diesel oil consumption/Km = 2 rupees  
350 institutions x 2 rupees x 200Km = 140,000rupees
- ③ Cost necessary to carry out maintenance training of X-ray Plant will be around 42,000rupees;  
700rupees/head x 10 engineers x 5 days = 35,000rupees
- ④ Cost necessary to carry out maintenance training of Generator will be around 5,600rupes;  
700rupees/head x 4 engineers x 2 days = 5,600rupees

#### (2) Base of Estimates

The cost estimates given herewith are calculated by the following bases.

Date of Estimates: March, 1998

Exchange Rae: 1 rupee = ¥3.14

### **3-3 Operation and Maintenance Cost**

#### **(1) Equipment Maintenance System**

Currently, all the equipment for the Project institutions is given under the maintenance services by the Electro-Medical Workshop and the local engineers dispatched from manufacturer's agent in Pakistan. The Project institutions have been keeping away from any maintenance and its related work.

At the time of the Basic Design Survey to the Work Shop, it was discussed that the engineers of the Work Shop will be involved in the installation works by the Supplier as on the job training. The necessary spares such as X-ray tubes and also the manuals (operation and maintenance) could be stored in the Shop. As for X-ray plants, engineers appointed by the manufacturers through the Supplier will be sent to provide technical training at the time of the handing-over after installation to the local engineers working at the maintenance workshops on maintenance techniques and management. As for generators, only technical training at the time of the handing-over is to be given, while the installation is to be undertaken by Health Department of the Balochistan Government.

The target equipment will be monitored yearly after handing over to the project sites upon agreement under the Minutes of Discussions. Manpower such as medical officers and paramedical staff are already allotted and the special training programmes will not be provided for these officers.

#### **(2) Operation and Maintenance Cost**

##### **① User's fee**

Most equipment to be supplied in this project are replacement of the deteriorated ones so that they do not need any additional maintenance costs and additional medical manpower for operation. Thus, consequently, no additional operating costs are required. However, it is recommendable that in order to secure constant operation of the equipment, the head of each District Health Office should be well informed about necessary items and amount of spare parts and consumables, and make a budget plan in cooperation with the Provincial Health Department. In addition, there are no particular financial concerns as it is expected there would be an increase of incomes from users fees of laboratory examination, and governmental subsidies resulting from improved medical services with new equipment in the project institutions. In Balochistan province, there is a standard of users fees which varies according to the level of the medical institutions as given below in Table 3-2.



Table 3-2 User Charge by Institutions

(in Rs.)

	Kind of Charges	Provincial Hospital	Divisional Hospital	District Headquarter Hospital	BHU/RHC
1	OPD/case	2	1	1	Free
2	Admission/Patient	10	5	5	Free
3	Ambulance/Km	2	2	2	2
4	Lab. Test/ patient	20	20	20	20
5	X-ray Test/Patient	20	20	20	20
6	EKG/Patient	50	50	50	50
7	Ultrasound/Patient	50	50	50	50
8	Major OP/patient	150	150	150	150
	Minor OP/patient	50	50		

## ② Operation and Maintenance Cost

The equipment which requires Operation and Maintenance Costs is X-ray Plant, Generator and Ambulance. The following tables show O/M cost by equipment and institutions.

Table 3-3 Annual O/M Costs by Equipment (260 working days/year basis)

NO	Equipment	Conditions	Consumable Required		Annual O/M Cost	Remarks
1	X-ray Plant	5 Cases/day 20 Sheets/day	Film(unit price) 5,200 Sheet Rp 6.00	Developer(unit price) 20 Litter Rp. 80.00	Rp.32,800	
2	Generator	5 Hours/day 28 Litter	7,280 Litter Rp. 9.00		Rp.65,520	5.6 lit./hour
3	Ambulance	100 Km/day  5 Hours/day 28 Litter	Tyre(unit price) 4 Pcs. Rp. 2,500.00  Diesel oil(unit price) 6,000 Litter Rp. 9.00		Rp.10,000  Rp.54,000	6 months is replacement span due to bad road
	Total				Rp.162,320	

Film(14" × 17" ) : Rp.6.  
Diesel(1 liter) : Rp.9.  
Developer : Rp.800/10 litter

Developer : Rp.800/10 litter  
Tyre (Pick up type) : Rjp.2,500

Table 3-4 O/M Costs by Institutions

Item	Annual O/M Costs	2RHC	3RHC	4RHC 2BIU	13RHC	4RHC	3RHC 2DHO
X-ray (12 units)	Rp.32,800	○		○		○	
Generator (24 units)	Rp.65,520	○	○	○	○		
Anibulance (30 units)	Rp.64,000	○	○				○
		Rp.162,320x2	Rp.129,520x3	Rp.98,320x6	p.65,520x13	Rp.32,800x4	Rp.64,000x25
	Total costs	Rs.324,640	Rs.388,560	Rs.589,920	Rs.851,760	Rs.131,200	Rs.1,560,000
<b>Grand Total</b>		<b>(Rs 3,886,080)</b>					

## **Chapter 4 Project Evaluation and Recommendation**

## **Chapter 4 Project Evaluation and Recommendation**

### **4-1 Project Effect**

This project is planned in line with the programmes included in the SAP-II, which aims to improve the health services for all of the population by 2000. To achieve these aims, it is essential to strengthen the referral system between BHUs and RHCs and to improve the rural level health institutions which are the providers of the primary health care services. This project has the goal to achieve upgrading of the quality of health services for the district level as well as the provincial level by the basic health services to be provided by BHUs and the better curative and screening services to be provided by RHCs.

In Balochistan, there exist not only many tribes but also many divisions which have different infrastructures including less developed ones. It is the utmost concern for the government to improve less developed most infrastructure to satisfy the basic human needs of the people. Balochistan has the big catchment areas, low population density, hard climate conditions and less improved traffic and communication accessibility. Under the conditions, the project will contribute to the people of the whole areas of the province.

The following effect will be brought through the project implementation.

- 1) Primary health care services will be upgraded in quantity and quality by procurement of the essential kits which will be utilized for the services of BHUs.
- 2) Additional equipment for RHCs will contribute to the upgradation of the diagnostic and curative level of services. In addition to this, work load of the divisional headquarter hospitals will become less if RHCs screening function is improved.
- 3) The procurement of ambulances will upgrade the emergency service activities in the district level as well as improve the relationship between the patients and institutions.
- 4) The health sector of Balochistan will be improved and the referral system of the district will be well organized.

#### **4-2 Recommendation**

Measures as shown below should be taken into account for the effective and continuous utilization of the project equipment

- 1) Monitoring on the Ambulances, X-ray Plants and Generators should be made by keeping the records of their utilization, breakdown time and running cost through which effective maintenance would be secured.
- 2) The equipment was planned in accordance with the local availability of the spare parts and consumable locally as well as the local procurement, however, some consumable may require procure from abroad, for which it is required to secure the availability of these consumables at least 5 years after delivery.
- 3) The replacement of the equipment should be planned after durability.
- 4) The spare parts and consumable should be registered on the Inventory Book to keep them in order.

## **Appendices**



## Appendices -1. Member List of Survey Team

Name	Title	Position
Dr. Yoichi YAMAGATA	Leader	Development Specialist, JICA
Mr. Junichi SHIMADA	Grant Aid Planner	Official, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs
Ms. Junko TSUDA	Project Manage Operation & Maintenance	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.
Dr. Issei SUZUKI	Equipment Planner	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.
Mr. Katsutoshi TANAKA	Equipment Planner	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.
Mr. Tsutomu YAMANE	Facilities and Utilities Planner	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.
Mr. Masatake ODA	Cost & Procurement	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.
Mr. Masanori ABE	Coordinator	DAIICHI HEALTH CARE FACILITY CONSULTANTS, INC.



## Appendices - 2. Survey Schedule

### 1. Site Survey (AOct. 20 to Nov. 19, 1996)

No	Date	Contents/Activity
1	Oct. 21 (Tue)	* Lv. Tokyo for Ar. Bangkok * Lv. Bangkok for Ar. Lahore
2	Oct. 22 (Wen)	* Lv. Lahore for Ar. Islamabad * Courtesy Call for JICA, Embassy of Japan and The Government of Pakistan (Ministry Health, EAD and Others) * Lv. Islamabad for Ar. Karachi
3	Oct. 23 (Thu)	* Lv. Karachi for Ar. Quetta * Courtesy Call for the Government of Balochistan (Health Dept and Others) * Contract with Local Consultant
4	Oct. 24 (Fri)	* Site Survey (DHO, RHC and BHU in PISHIN District)
5	Oct. 25 (Sat)	* Workshop (Discussion on the Project purpose and Problems etc. with the Government of Balochistan, Health Dept and Others) * Site Survey (DHO, RHC and BHU in Quetta District)
6	Oct. 26 (Sun)	* Site Survey (DHO, RHC and BHU in ZIARAT District) ... A Team * Site Survey (DHO, RHC and BHU in KALAT District)..... B Team
7	Oct. 27 (Man)	* Site Survey (DHO, RHC and BHU in LORALAI District) A Team * Site Survey (DHO, RHC and BHU in KALAT District) B Team * Submit Draft Minutes
8	Oct. 28 (Tue)	* Discussion on the Minutes
9	Oct. 29 (Wed)	* Signing of Minutes * Lv. Quetta for Ar. Karachi
10	Oct. 30 (Thu)	* Lv. Karachi for Ar. Islamabad * Discussion with Organization concerned (WB, ADB, WHO and Others) * Report to the government Pakistan (MOH, EAD and Others) JICA, Embassy of Japan * Market research for Medical Equipment * Lv. Islamabad for Ar. Lahore * Lv. Lahore for Ar. Bangkok

No	Date	Contents/Activity
11	Oct. 31 (Fri)	* Ar. Bangkok * Lv. Bangkok for Ar. Tokyo * Discussion with the Organization concerned (WB, ADB, WHO, and Others) * Market research for Medical Equipment
12	Nov. 1 (Sat)	* Ar. Tokyo * A-Team. Lv. Islamabad for Ar. Faisalabad Faisalabad → Sialcot → Lahore Market research for Manufacturer * B-Team. Lv. Islamabad for Ar. Karachi Market research for Medical Equipment
13	Nov. 2 (Sun)	* A-Team Lv. Lahore for Ar. Quetta Team Meeting * B-Team Market research for Medical Equipment Team Meeting * Lv. Tokyo for Ar. Bangkok * Lv. Bangkok for Ar. Karachi
14	Nov. 3 (Mon)	* A-Team Lv. For Ar. Zohb (by car) * B-Team Lv. Karachi for Ar. Khuzdar Site Survey (DHO, RHC, and BHU in KHUZDAR District)
15	Nov. 4 (Tue)	* A-Team Site Survey (DHO, RHC and BHU in ZOHB District) * B-Team Lv. Khuzdar for Ar. Turbat Site Survey (DHO, RHC and BHU in KHICH/FURBAT District)
16	Nov. 5 (Wed)	* A-Team Site Survey (DHO, RHC and BHU in QILA SAIFULLAH District) * B-Team Lv. Turbat for Ar. Panjgur Site Survey (DHO, RHC and BHU in PANJGUR District)
17	Nov. 6 (Thr)	* A-Team Lv. Loralai, Ar. Kohlu (by car) * B-Team Site Survey (DHO, RHC and BHU in PANJGUR District) Team Meeting
18	Nov. 7 (Fri)	* A-Team Site Survey (DHO, RHC and BHU in KOHLU and BARKHAN Dist.) * B-Team Lv. Panjgur 08:30 Ar. Gwadar 09:35 PK561 Site Survey (DHO, RHC and BHU in GWADAR District)

No	Date	Contents/Activity
19	Nov. 8 (Sat)	* A-Team Site Survey (DHO, RHC and BHIU in MUSA KHIEL District) * B-Team Team Meeting Lv. Gwadar for Karachi
20	Nov.9 (Sun)	* A-Team Lv. Loralai, Ar. Quetta (by car) * B-Team Lv. Karachi, Ar. Lasbella (by car)
21	Nov.10 (Mon)	* A-Team Lv. Quetta, Ar. Dhadar (by car) Site survey (DHO, RHC and BHIU in SIBI District) * B-Team Lv. Lasbella, Ar. Awaran (by car) Site survey (DHO, RHC, and BHIU in ASBELLA/AWARAN District)
22	Nov. 11 (Tue)	* A-Team Site Survey (DHO, RHC and BHIU in SIBI District) * B-Team Lv. Karachi for Ar. Quetta Lv. Quetta, Ar. Nushki (by car)
23	Nov.12 (Wed)	* A-Team Site Survey (DHO, RHC and BHIU in JAI'ARABAD District) * B-Team Lv. Nushki-Kharan-Ar. Dalbandin/Chagai (by car) Site survey (DHO, RHC, and BHIU in KHARAN District)
24	Nov.13 (Thu)	* A-Team Site Survey (DHO, RHC and BHIU in NASIRABAD District) Lv. Nasirabad for Ar. Jhal Magasi (by car) * B-Team Site Survey (DHO, RHC and BHIU in DALBANDIN/CHAGAI District)
25	Nov.14 (Fri)	* A-Team Site survey (DHO, RHC and BHIU in JHAL MAGSI District) * B-Team Lv. Dalbandin for, Ar. Quetta (by car)
26	Nov.15 (Sat)	* Discussing with the Government of Balochistan (Health Dept and Others)
27	Nov.16 (Sun)	* Lv. Quetta for Ar. Islamabad * Team Meeting
28	Nov.17 (Mon)	* Discussing with Organization concerned(WB, ADB, WHO and Others) * Report and Discussion with the Government of Pakistan (MOH, PAD and Others)
29	Nov.18 (Tue)	* Report to JICA, Embassy of Japan * Lv. Islamabad for Ar. Lahore * Lv. Lahore for Ar. Bangkok
30	Nov.19 (Wed)	* Ar. Bangkok * Lv. Bangkok for Ar. Tokyo 19:00 TG640

## 2. Consultation on Draft Report(Jan.30,1997 to Feb.8, 1997)

Date		Activities
1	January 30 (Fri.)	*Narita → Bangkok
2	January 31 (Sat.)	* Bangkok→ Karachi * Cautesy call to Embassy of Japan, JICA Office
3	February 1 (Sun.)	* Karachi → Quetta Draft Basic Report submission * Meeting with Project Coordinator (Dr.A.H.Khan)
4	February 2 (Mon.)	* Meeting at Health Dept. * Meeting with Chief Planning Officer (Dr.Noor)
5	February 3 (Tue.)	* Work-Shop * Discussions on Delivery system and Training
6	February 4 (Wed.)	* Signing of Minutes of Discussions
7	February 5 (Thu.)	* Quetta → Islamabad * Reporting to Embassy of Japan, JICA Office
8	February 6 (Fri.)	* Reporting to Ministry of Finance(FAD) * Signing of Minutes of Discussions
9	February 7 (Sat.)	* Islamabad → Bangkok
10	February 8 (Sun.)	* Bangkok → Narita



**(4) Government of Balochistan**

**1) Health Department**

**Dr. WADERA ABDUL KHALIQUE, Health Minister**  
**DR. SHAFI MOHAMMAD ZAHRI, Secretary, Health**  
**DR. NOOR AHMAD, Chief Planning Officer**

**2) Planning and Development Department**

**MR. YUNIS MONDOKHIEL, Additional Chief Secretary**  
**MR. SALEEM CHISTI, Secretary, Planning**

**3) Medical Store Depot**

**DR. DAD MOHAMMAD KHWJA KIAIL, Officer in charge Medical Store Depot**  
**DR. ARBAB MOHAMMAD ASLAM, Assistant Medical Officer M.S.D**

**4) Electro-medical Workshop**

**MR. ILYAS LASHARI, Chief Medical Engineer**

**5) PCM Workshop**

**DR. A. RASHID TAREEN, D. G. Health Services**  
**DR. PIR JAN KHAWAJA KHIEZ, Project Director FH-2**  
**DR. MIR MOHAMMAD, Project Director-PHDP**  
**DR. MAHBOOB BADANI, WHO**  
**MR. A. AHAD, UNICEF**  
**MS. MARIAN MILINGTON, HRD, AD, TO FH-2**  
**MS. THERSE, Ad, Management, DFID**  
**DR. ALI AHMAD, DHS, Quetta**  
**DR. YUSIF BEZENJO, DHO, Quetta**  
**DR. A. WAHID, ADHO, Quetta**  
**DR. ANEELA RISHI, Lady Medical Officer Quetta**  
**DR. BASHIR AHMAD BALOCH, DHO, MASTUNG**  
**PROF. DR. SHAHNAZ NAZEER BALOCH, Head Deptt., Gynecology, Quetta**  
**DR. AZMAL LATEEF, Provincial Manager, EPI Balochistan, Quetta**  
**DR. A. RASHID TAREEN, Director General Health Services, Health Deptt.**  
**DR. ALI AHMED, Director Health Services, Quetta**  
**DR. SHARIF AHMAD LODHI, Director Health Services, Khuzdar**  
**DR. AKHTA H. KHAN, Project Coordinator, Health Deptt.**

**(5) District Health Office**

- 1) Kalat, District Health Office  
DR. LASHKER KHAN, District Health Office  
DR. GHOLAM SIDDIQVE, Medical Officer, BHU MAND HAJI  
DR. MALIK MOHD HASSAN, Medical Officer, BHU ZARD MONGO CHER
- 2) Kharan, District Health Office  
DR. AMIN MENGAL, District Health Officer  
MS. SAIMA SUMRLE, Lady Health Visitor  
DR. MAHAMMADANWAR QAMBRAN, Medical Officer /CD NAG  
DR. LHER AHMED, Medical Officer, BHU SARAWAN
- 3) Killa Saifullah, District Health Office  
DR. NASOOD AHAMED BAROZAI, District Health Officer  
DR. ABDUL WASAY, Medical Officer, SHC NASAI
- 4) Quetta, District Health Office  
DR. YUSIF BEZENJO, District Health Officer  
DR. ABDUL ZAHIG, Medical Officer, RHC SORRENCE COALMINE  
DR. ANEELA RASHT, Female Medical Officer  
MR. TAHIRA SULTHANA, Lady Health Visitor, BHU KACHI BEIG
- 5) Khuzdar, District Health Office  
DR. SHARIF AHMAD, Director Health Services  
DR. MOHAMMAD HAYAL, District Health Officer
- 6) Gwadar, District Health Office  
DR. NAZEER AHMED, District Health Officer  
DR. BARKAT ALI, Medical Officer, RHC JIWANI  
DR. AZIZ ULLAH, Medical Officer, BHU SUR BANDAR
- 7) Kohlu, District Health Office  
DR. SHAHIB KHAN, Assistant District Health Officer  
MR. MOHAMMAD RANZA, Compounder, BHU, URYANI  
MR. HOROD RASOOL Compounder, CD KILLI NIHAL KAHN  
DR. MUHAMMAD ALI MARIC, Medical Officer, BHU LASEZAI
- 8) Sibi District Health Officer  
DR. MUNIR AHMAD KHAWJAKHAL, District Health  
DR. MOMMAR ISMAIL LUNI, Medical Officer, RHC LUNI  
DR. SYEED IHTRAM, Medical Officer, BHU KURAK
- 9) Jafferabad, District Health Officer  
DR. ALLAB NAISANZ BUGTI, District Health Officer  
DR. SHAHKAKSH, Medical Officer, RHC ROHJAN JAMALI  
DR. ABRAHIM KANRONI, Medical Officer, BHU CATTLE FARM  
MR. ABDUL GHAIFER, Medical Officer, BHU JANDA TALAB

- 10) Ziarat, District Health Office  
DR. ABDUL REHMAN, District Health Officer  
DR. ANWASH, Medical Officer, RHC KAWAS  
DR. ANWASLI, Medical Officer, BHU KACH
- 11) Zhob, District Health Office  
DR. ABDUL SALEM NASIK, District Health Officer  
DR. SHAH, Medical Officer, RHC MURGHA KIBZAI  
DR. AMIL MOHAMMAD, Medical Officer, RHC, MANIKHAWA  
MS. YASMIN DISAY, Lady Health Visitor, BHU KAPEEP
- 12) Nushki, District Health Office  
DR. NADIRHUSSAIN, ADHO  
DR. MAULLA BUX, Medical Officer, BHU BHATTO  
DR. SEEMA DEVI, Female Medical Officer, BHU KILLIMENGLE  
DR. FAZAL BUGTI, Medical Officer, RHC DALBANDIN  
DR. ASHRAF LALHIBZADA, Medical Officer, BHU SARGASHIA
- 13) Turbat, District Health Office  
DR. ABDUL RASHID BALUCH, Director Health Services  
DR. ABDUL SHAFER BALUCH, District Health Officer  
DR. KHALILVR RAHMAN, Medical Officer, BHU JUSAK  
DR. BALKKAT AL, Medical Officer, RHC NASIRABAD
- 14) Naseerabad, District Health Office  
DR. NOBI BAKSH GUPTI, District Health Officer  
MR. NOOR MOHAMMAD, X-ray Technician, RHC MIRWAH  
MR. FAZAL MALIMAD, Medical Technician, BHU KOT MENGAI  
MR. MOHAMMAD SIDDIQ, Medical Technician, BHU SABZ ALI UMRANI  
MR. MORRAH BAKSH, Senior Dispensary, BHU ALLAHDAD ULMRANI
- 15) Panjgur, District Health Office  
DR. CHANGAZE KHAN GICHIKI, District Health Officer  
DR. ABDUL QADIV BALUCH, Medical Officer, BHU GRAM KHAN  
DR. JAJ MUHAMMAD, Medical Officer, BHU KHUDABADAN  
DR. NASRATULLAH, Medical Officer, CD SORDO
- 16) Pishin, District Health Office  
DR. THAER SHARR, District Health Officer  
DR. JARAID, Medical Officer, RHC KHANOZAI
- 17)olan, District Health Office)  
DR. MOHAMMAD THAR, Medical Officer
- 18) Mastung, District Health Office  
DR. ALI AHMED, Director Health Services, Quetta  
DR. BASHIR AHMAD BALOCH, District Health Officer



19) Lasbella, District Health Office

DR. ILLAHI BAKSH, Medical Officer

DR. MOHAMAD SHAFI, Medical Officer, BHU WINDER

DR. MOHAMED ANWER, Medical Officer, BHU BELA

20) Loralai, District Health Office

DR. AMIR MUHAMMAD KHAN, Director, Health Service, Zhob Div

DR. NOOR LAAH KHAN, Assistant District Health Officer

DR. ABDUL RAZAAK, Medical Officer, BHU NASARABAD

DR. NASHIMODIN, Medical Officer, CD MEKHATAR

DR. WARWUG, Medical Officer, BHU KINGRI

DR. SAYAT HARRAR, Medical Officer, RHC ISMAIL SHEAR

DR. SHEZZAD SULTAN AMMED, Medical Officer, BHU NASARABAD

DR. KALINDAR, Medical Officer, RHC SINJAVI

21) Awaran District Health Office

MR. QADIR BUSKH, Medical Officer, BHU METHGO

**(6) District Head Quarter Hospital (DHQH)**

1) DHQH Gwadar

DR. SALEEM, Medical Superintendent

2) DHQH Jafferabad

DR. ABRAHIM BALOCH, Medical Superintendent

3) DHQH Qila Abdullah

DR. ABDUL RAHMAN, Medical Super Intendent

4) DHQH Panjgur

DR. MOHAMMAD AKRAM, Medical Superintendent

Appendices - 4. Minutes of of Discussions

MINUTES OF DISCUSSIONS

BASIC DESIGN STUDY ON THE PROJECT FOR IMPROVEMENT OF BASIC HEALTH CARE  
BY SUPPLYING ESSENTIAL EQUIPMENT/INSTRUMENTS TO BHUs AND RHCs  
IN  
THE PROVINCE OF BALOCHISTAN, ISLAMIC REPUBLIC OF PAKISTAN

In response to the request from the Government of the Islamic Republic of Pakistan (hereinafter referred to as "Pakistan"), the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Basic Health Care by Supplying Essential Equipment/Instruments to BHUs and RHCs in the Province of Balochistan (hereinafter referred to as "the Project"), and entrusted the study to Japan International Cooperation Agency ( JICA).

JICA sent the Basic Design Study Team (hereinafter referred to as "the Team"), headed by Dr. Yoichi Yamagata , Institute for International Cooperation, JICA to Pakistan from October 22 to November 18, 1997.

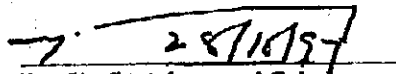
The Team had a series of discussions with the officials concerned of Pakistan and conducted field surveys.

As the result of discussions and field surveys, both parties have confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Report.

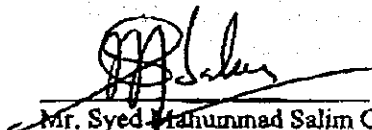
Quetta, Balochistan, October 28, 1997



Dr. Yoichi YAMAGATA,  
Leader,  
Basic Design Study Team,  
JICA



Dr. Shafi Mohammad Zahri  
Secretary,  
Health Department,  
Government of Balochistan, Quetta  
Islamic Republic of Pakistan



Mr. Syed Mahummad Salim Chistie  
Secretary Planning,  
Planning and Development Department  
Government of Balochistan, Quetta



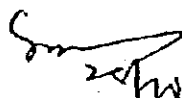
Mr. M. Yunis Mandokhel  
Additional Chief Secretary,  
Planning and Development Department,  
Government of Balochistan, Quetta  
Islamic Republic of Pakistan



Mr. Rashid Mahmood Ansari  
Joint Secretary,  
Economic Affairs Division,  
Government of Islamic  
Republic of Pakistan

## ATTACHMENT

1. Objective  
The objective of the Project is to improve the basic health care system in the province of Balochistan.
2. Project Sites  
Project sites are Basic Health Units (BHUs) and Rural Health Centers (RHCs) located in Balochistan.
3. Responsible and Executing Agency  
Responsible Agency : Government of Balochistan  
Executing Agency: Health Department, Government of Balochistan
4. Requested equipment by the Government of Balochistan.
  - (1) After discussions with the Team, the equipment described in Appendix-1 was finally requested by the Government of Balochistan for consideration by the Government of Japan to be provided under the Grant Aid.  
However, items to be included in the Project will be decided after further study.
  - (2) The Government of Balochistan will submit priority equipment list to JICA Pakistan Office by 15 November, 1997.  
( Note : A = 1<sup>st</sup> priority / Essential, B = 2<sup>nd</sup> priority / Desirable, C = 3<sup>rd</sup> priority / If possible )
5. Japan's Grant Aid System
  - (1) The Government of Balochistan has understood the system of Japan's Grant Aid on Appendix-2 as explained by the Team.
  - (2) The Government of Balochistan will take necessary measures, as described in Appendix-3, for the smooth implementation of the Project on the condition that the Grant Aid is extended to the Project by the Government of Japan.
6. Schedule of the study
  - (1) JICA will prepare the draft report in English and dispatch a mission to Pakistan in order to explain the contents of the report around January, 1998.
  - (2) In case the contents of the report are accepted in principle by the Pakistan side, JICA will complete the final report and send it to the Government of Balochistan by March, 1998.
7. Other relevant issues
  - (1) A consensus workshop with participatory approach was held in Quetta with Health Department of the Government of Balochistan and the Team. The concept of the Project was reviewed and confirmed in the discussions. The result is summarized in Appendix-4 identifying the Goal, Project Purpose, Outputs and Activities and the procedure of delivery and handing over.
  - (2) Following criteria to select the Equipment were mutually agreed, on the condition that the final components of the Project will be decided after further studies.  
Criteria to select the Equipment are summarized as follows:
    - A. Equipment to be included in the Project is:
      - 1) equipment to be utilized with ordinary and already established technique,
      - 2) equipment whose Operation and Maintenance (O/M) costs can be covered by the Institution,
      - 3) equipment required in accordance with the services of the Institution, with the



uniformed standard in relation to the type of the institution,

4) equipment to be utilized within the present manpower.

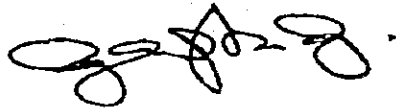
B. Equipment to be excluded from the Project is:

- 1) equipment whose operation requires materials such as flon gas and causes the environmental problems,
- 2) equipment which may be contradictory to the regulations on the waste water / medical wastes treatment and radiation,
- 3) equipment whose O/M costs may exceed the financial capacity of the Institution,
- 4) equipment which requires substantial costs for modification of the facility,
- 5) equipment which requires special technology transfer for operation/utilization,
- 6) equipment also requested to other external assistance agencies,
- 7) equipment of which local agent for maintenance service is not available, and,
- 8) equipment with financial/marketing difficulties on the procurement of consumable and spare parts etc.

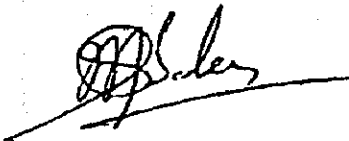
(3) Criteria to select the Project sites are summarized as follows:

- 1) staff allocation
- 2) physical facility conditions
- 3) medical demand
- 4) catchment area

(4) *The firms, having affiliation with consultants, Foreign or local, will not be eligible to bid for this Project.*



→ 29/1/97



*Handwritten initials and date*  
97/10

*Handwritten signature*  
Rahid Mulumad

Appendix-1

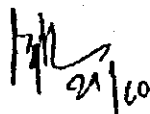
List of Equipment requested by the Government of Balochistan

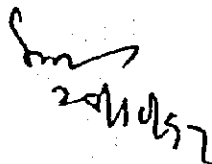
Categories of Equipment for BHUs and RHCs

No.	Equipment for BHUs	Equipment for RHCs	Remarks
1	Essential Diagnostic Set	Essential Diagnostic Set	
2	Sterilizing Equipment	Sterilizing Equipment	
3	Minor Surgery Equipment	Minor Surgery Equipment	
4	Water Container	Water Container	
5	MCHC Equipment	MCHC Equipment	
6	Cold Chain Equipment	Cold Chain Equipment	
7	Basic Laboratory Equipment	Basic Laboratory Equipment	
8	First Aid Set	First Aid Set	
9	Communication Equipment	Communication Equipment	
10		Dental Equipment	
11		Additional Laboratory Equipment	
12		X-ray Room Equipment	
13		Dark Room Equipment	
14		Operation Theater Equipment	
15		Labor Room Equipment	
16		Ward Equipment	
17		Generator	
18		Ambulance with Oxygen and Resuscitator	
19		Information System at District Level	
20		Supervisory Vehicles for District Health Offices	





 21/10

 20/10/57

Japan's Grant Aid Program

1. Japan's Grant Aid Procedures

- (1) The Japan's Grant Aid Program is executed by the following procedures.
- |                      |   |
|----------------------|---|
| Application          | (Request made by a recipient country)   |
| Study                | (Preliminary Study and Basic Design Study conducted by JICA)                          |
| Appraisal & Approval | (Appraisal by the Government of Japan and Approval by Cabinet of Japanese Government) |
| Determination        | (Exchange of Notes between the both Governments)                                      |
| Implementation       | (Implementation of the Project)   |

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

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

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

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

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

## 2. Content of the Study

### (1) Content of the Study

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

- 1) to confirmation of the background, objectives, benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the project implementation,
- 2) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economic point of view.
- 3) to confirm items agreed on by both parties concerning a basic concept of the project,
- 4) to prepare a basic design of the Project.
- 5) to estimate of costs involved in the Project.

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

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

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

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

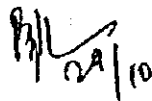
The consulting firm(s) used for the Study is (are) recommended by JICA to the recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is proceeded.

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

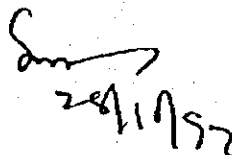
A Preliminary Study is conducted during the second step of project formulation & preparation as mentioned above.

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

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



22/10



28/11/97

### 3. Japan's Grant Aid Scheme

(1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non-reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principals in accordance with the relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

(2) Exchange of Note (E/N)

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

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

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

When the two Governments deem it necessary, the Grant may be used for the purchase of good, services, or both from a third country(ies).

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

(5) Necessity of the "Verification".

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

(6) Undertaking required of the Government of the recipient country.

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

- 1) to secure land necessary for the sites of the Project and to clear and level the land prior to commencement of the construction work,
- 2) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the site,
- 3) to secure buildings prior to the installation work in case the Project is providing equipment,
- 4) to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchase under the Grant Aid,
- 5) to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the goods and services under the Verified Contracts,



6) to accord Japanese nationals whose services may be required in connection with the supply of the goods and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(7) "Proper Use"

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

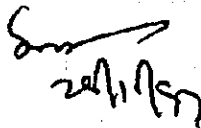
(8) "Re-Export"

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

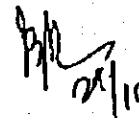
(9) Banking Arrangement (B/A)

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

The payment will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.



20/1/57



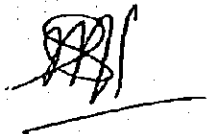

20/1/10

**Necessary Measures to be taken by the Government of Pakistan**

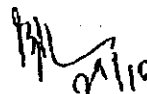
The Government of Pakistan shall re-approve PC-1 and notify the Embassy of Japan in Pakistan and JICA Pakistan Office by January 31, 1998, if necessary.

Following necessary measures should be taken by the Government of Balochistan on condition that the Grant Aid by the Government of Japan is extended to the Project:

1. To provide data and information necessary for the Project;
2. To bear commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement, namely the advising commission of the "Authorization to Pay" and payment commission;
3. To ensure prompt unloading, tax exemption, customs clearance at the port of disembarkation in Pakistan and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid;
4. To exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Pakistan with respect to the supply of the products and services under the verified contracts;
5. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into Pakistan and stay therein for the performance of their work;
6. To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary;
7. To assign appropriate budget and teaching and administrative staff members for proper and effective operation and maintenance of equipment and instruments provided under the Grant Aid;
8. To maintain and use properly and effectively the equipment and instruments provided under the Project;
9. To provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites; and
10. To bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.



28/10/97



Log - Frame of the Project

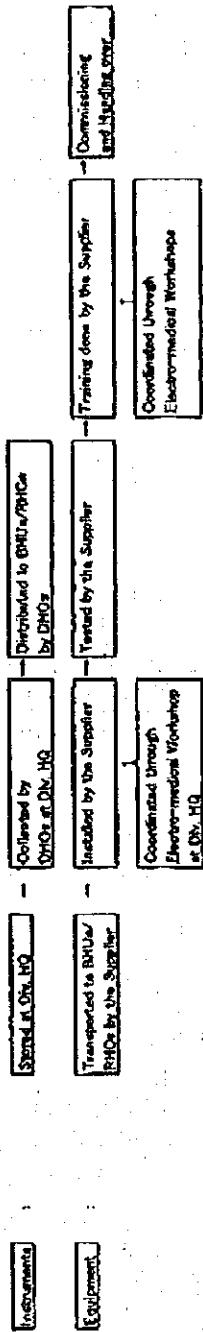
Project Title : Development of District-based Health Care Delivery System  
 (Improvement of Basic Health Care by Supplying Essential Equipment / Instruments to BHUs and RHCs)

Overall Goal	Community-based health services was provided	①	Skill/knowledge of health personnel in BHUs/RHCs was further developed (HDPD/DOHS/WB KCM/WHO/UNICEF)	②	Sufficient number of health personnel was allocated to the health facilities (HDPD/DOHS)	③	Standard equipment was fully functional and utilized at BHUs/RHCs	④	Physical facilities of BHUs/RHCs were improved (HDPD/DOHS/ADB)	⑤	Consumable was sufficiently supplied	
Project Purpose	Optimum standard of the health facilities was achieved	Activities	PHC Project improved status for the referral system	Activities	Existing hospitals were designated secondary or tertiary levels of the referral system	Activities	Community was made aware of the new referral system	Staff profile was restructured by providing provision of memorandum through State Provision Package	UNICEF has trained doctors and paramedical in the Control of Diarrhoeal Diseases	Proper equipments instruments were provided by JICA	GOB (HDP/PHD) has provided water, electricity and latrine to all BHUs/RHCs	GOB-HD has secured fund for drugs, antibiotics, vitamins, dressings, vaccines, essential supplies, etc.

- GOB: Government of Baluchistan
- HDPD: Health Department, Planning Division
- DOHS: Director General Health Services
- WB: World Bank
- KCM: Kuchibhatani Family Welfare/Bar
- WHO: World Health Organization
- ADB: Asian Development Bank
- DFID: Department for International Development
- JICA: Japan International Cooperation Agency
- UNICEF: United Nations Children Emergency Fund

*[Handwritten signatures and dates]*  
 28/10/57  
 29/10

Delivery and Handing over Procedure of Equipment / Instruments



*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

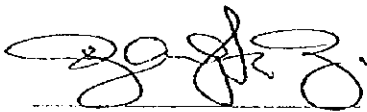
**MINUTES OF DISCUSSIONS**  
**BASIC DESIGN STUDY ON THE PROJECT FOR IMPROVEMENT OF BASIC**  
**HEALTH CARE BY SUPPLYING ESSENTIAL EQUIPMENT / INSTRUMENTS**  
**TO BHUs, RHICs**  
**IN**  
**BALUCHISTAN, ISLAMIC REPUBLIC OF PAKISTAN**  
**(CONSULTATION ON DRAFT REPORT)**

In October 1997, Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on THE PROJECT FOR IMPROVEMENT OF BASIC HEALTH CARE BY SUPPLYING ESSENTIAL EQUIPMENT / INSTRUMENTS TO BHUs AND RHICs IN THE PROVINCE OF BALUCHISTAN (hereinafter referred to as "the Project") to the Islamic Republic of Pakistan ( hereinafter referred to as "Pakistan" ) and through discussions, field survey, and technical examination of the results in Japan, JICA has prepared the Draft Report of the Study.

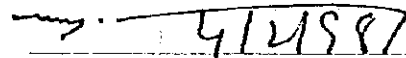
In order to explain and to consult on the Pakistan on the components of the Draft Report, JICA sent to Pakistan the Draft Report Explanation Team (hereinafter referred to as "the Team"), headed by Dr. Yoichi YAMAGATA, Institute for International Cooperation JICA, from January 31 to February 7, 1998.

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

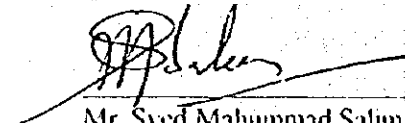
Quetta, February 4, 1998




Dr. Yoichi YAMAGATA,  
Leader,  
The Explanation Team  
for the Draft Basic Design  
Japan International Cooperation Agency  
Japan



Dr. Shafi Mohammad Zahri  
Secretary,  
Health Department,  
Government of Baluchistan, Quetta  
Islamic Republic of Pakistan



Mr. Syed Mahummad Salim Chistic  
Secretary Planning,  
Planning and Development Department  
Government of Baluchistan, Quetta  
Islamic Republic of Pakistan



(S.M. HASAN ZIADI)  
Deputy Secretary  
Economic Affairs Division  
Government of Pakistan  
Islamabad.

Mr. Rashid Mahmood Ansari  
Joint Secretary  
Economic Affairs Division,  
Government of Islamic  
Republic of Pakistan

## ATTACHMENT

### 1. Components of Draft Report.

The Government of Pakistan has agreed and accepted in principle the components of the Draft Report explained by the Team. The details of the components are described in ANNEX-I. The amendments made in the Draft Report and agreed by both sides are attached as ANNEX-II and to be incorporated in the Final Report of the Basic Design Study.

2. The Government of Balochistan has requested to increase the present number of Ambulances and X-ray Plants for RHCs subject to the final allocation of the Grant Aid Assistance by the Government of Japan. However, the final components to be procured under the Project will be decided by Japanese side after further study.

### 3. Japan's Grant Aid System

- (1) The Government of Pakistan has understood the Japan's Grant Aid System as described in ANNEX-III through the explanation by the Team.
- (2) The Government of Pakistan will take necessary measures, described in ANNEX-IV for the smooth implementation of the Project, on condition that the Japan's Grant Aid is extended to the Project.

### 4. Further Schedule

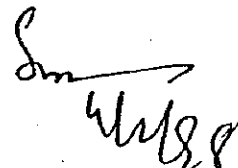
The Team will make the Final Report in accordance with the confirmed items and send it to the Government of Pakistan by the end of May, 1998.

### 5. Other Relevant Issues

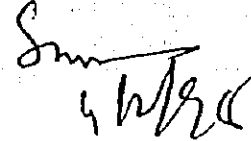
- (a) Consensus workshop with participatory approach was held in Quetta with Health Department of Balochistan Government and the Team. The concept of the Project was reviewed and reconfirmed in the discussions. The result is summarized in ANNEX-V identifying the Goal, Project Purpose, Outputs and the selected part of Activities.
- (b) Monitoring and Reporting
  - i) Health Department of Balochistan Government have responsibility to conduct periodical monitoring and evaluation of the progress of all phases of the Project such as allocation of funds and distribution, quality control, maintenance and utilization of the equipment, manpower development, training based upon the indicators given in ANNEX-VI and reporting it to the Embassy of Japan and JICA Pakistan Office annually through the Health Department of Balochistan Government. A coordination committee will be organized by the Health Department for this purpose. This will have two advantages:
    - a. An up-date information of the yearly performance will be readily available to be passed on to both the Government of Balochistan and the Government of Japan to show the results of the Project inputs.
    - b. It will also help the implementing agency day to day monitoring of the various activities.
  - ii) The coordination committee will work out the details for monitoring indicators for each unit. A baseline survey will be carried out before the completion of the Project in order to see the progress over a time period. The committee will have a few sub-committees who will be assigned to carry out the task of monitoring and evaluation of certain defined units. The committee will meet once in a quarter to monitor the progress of the various activities.
  - iii) The committee will finalize questionnaire on Monitoring/Evaluation Indicators which was proposed in the ANNEX-VI, and submit to the Embassy of Japan and JICA Office through the Health Department of Balochistan Government after Japan's Grant Aid is committed.



A-23



- iv) The committee will submit annual report to the Embassy of Japan and JICA Office by the first quarter of the subsequent year through the Health Department of Balochistan Government.
- (c) Implementation Flow Chart of Delivery, Handing over and Training was confirmed at the workshop held in Quetta with Health Department of Balochistan Government and the Team. The result is summarized in ANNEX-V.
- (d) Request for JICA expert under the technical assistance programme  
The Government of Balochistan requested to the Team to consider to provide a JICA expert after the implementation of the Project for the purpose of coordinating the utilization and monitoring of the equipment and facilities.



## Equipment List

Kit	Item No.	Name of Kit	Contents of Equipment	BHU Q'ty	RHC Q'ty	TOTAL Q'ty
<b>BHU</b>						
A	1	Essential Diagnostic Kit	(1) Diagnostic Set Stethoscope Hammer Sphygmomanometer (Aneroid) Diagnostic Set (2) Weighing Scale for Adult Weighing Scale for Infant (3) BP Apparatus Fixed on Wall Sphygmomanometer (Mercurial)	454	60	514
	2	First Aid Kit	(1) First Aid Set Identification Material Set Resuscitator (Infant/Adult) Foot Suction Pump Bandages and Sanitary Set Portable Case	454	60	514
B	3	MCHC Kit	(1) D&C Set, TBAs Kit Metal Catheter Various Forceps Vaginal Speculum with Retractor (2) Gynecological Birth Calendar Obstetric Stethoscope Measuring Tape Vaginal Speculum (3) Treatment Set Vaginal Forceps Tanaculum Forceps Instrument Case	438	60	498
	4	Delivery Kit	(1) Delivery Set Hemostasia Forceps Catheter Glycerin Enema Syringe	438	60	498
C	5	Basic Laboratory Equipment Kit	(1) Laboratory Set Pipette Stand Clinical Refractometer Alcohol Lamp Micro Slide Glasses Stop Watch Glass Ware	204	49	253
	6	Multi Purpose Microscope	(1) Multi-Purpose Microscope	204	49	253
	7	Basic Operation Kit	(1) Basic Operation Set Instruments Set (knife, forceps, scissors, needle) (2) Sterilizer	204	49	253
	8	E.N.T. Kit	(1) ENT Ophthalmo set Ophthalmoscope Otoscope Laryngoscope Tongue Depressor Spot light	204	49	253
	9	Dental Instruments Kit	(1) Dental Instruments Set Pliers, Nipper etc.	204	49	253



Kit	Item No	Name of Kit	Contents of Equipment	BIU Q'ty	RHC Q'ty	TOTAL Q'ty
D	10	Others	(1) X-Ray Plant (300mA) Developing System (Manual) Film Illuminator(1 Film) (2) Generator (25-33KVA) (3) Water Filtration Tank (0.5 t)	2		2
<b>RHC</b>						
	11	Generator (25-33KVA)			22	22
	12	Basic Laboratory Equipment	Dry Chemistry Analyzer		30	30
	13	Autoclave			35	35
	14	Electric Centrifuge			30	30
	15	Refrigerator			41	41
	16	Operation Set	(1) Mobile Operation Lamp (2) Operation Theater Table (3) OT Instruments		33	33
	17-1	Ambulance(A)	4WD (Van Type)		8	8
	17-2	Ambulance(B)	4WD (Pick up Type)		22	22
	18	Water Filtration Tank (0.5 t)			7	7
	19	X-Ray Plant (300mA)	(1) X-Ray Plant (300mA) (2) Developing System(Manual) (3) Film Illuminator (1 Film)		10	10
	20	I/V Stand			45	45
	21	Delivery Table			3	3
	22	Incubator			9	9
	23	Water Bath			9	9

The contents of all kits will be specified during Detailed Design mission.

Japan's Grant Aid Program

1. Japan's Grant Aid Procedures

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

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

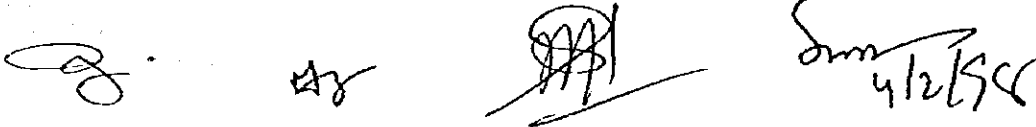
2) Firstly, an application or a request for a project made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether or not it is suitable for Japan's Grant Aid. If the request is deemed suitable, Cooperation Agency)

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

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

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

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

Four handwritten signatures or initials are present at the bottom of the page. From left to right: a stylized signature, the initials 'AS', a signature with a circular stamp, and a signature with the date '4/2/98' written below it.

## 2. Content of the Study

### (1) Content of the Study

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

- 1) To confirmation of the background, objectives, benefits of the projects and also institutional capacity of agencies concern of the reception country necessary for the Project implementation.
- 2) To evaluate appropriateness of the project for the grant aid scheme from a technical social and economic point of view.
- 3) To confirm items agreed on by both parties concerning a basic concept of the project
- 4) To prepare a basic design of the project.
- 5) To estimate a costs involved in the project.

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

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

### 2) Selecting (a) consulting from (s).

For smooth implementation of the Study, JICA uses (a) consultant from (s) registered. JICA select (a) firm (s) through proposal submitted by firm which are interested. The Firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference made by JICA.

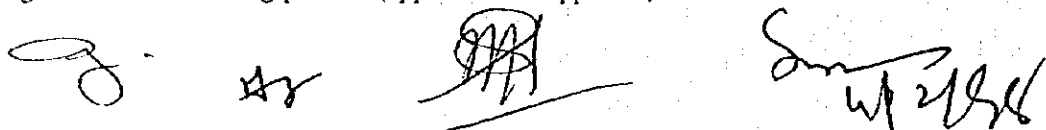
The consulting firm(s) used for the Study is (are) recommended by JICA to the recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if new selection process is proceeded.

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

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

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

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



### 3. Japan's Grant Aid Scheme

(1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non-reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principals in accordance with the relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such .

(2) Exchange of Note (E/N)

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

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

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

When the two Governments deem it necessary, the Grant may be used for the purchase of good, services, or both from a third country(ies).

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

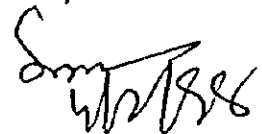
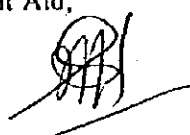
(5) Necessity of the "Verification".

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

(6) Undertaking required of the Government of the recipient country,

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

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



- 5) to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the goods and services under the Verified Contracts,
- 6) to accord Japanese nationals whose services may be required in connection with the supply of the goods and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
- 7) "Proper Use"  
The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as to bear all the expenses other than those covered by the Grant Aid.
- 8) "Re-Export"  
The products purchased under the Grant shall not be re-exported from the recipient country.
- 9) Banking Arrangement (B/A)  
The government of the recipient country or its designated authority should open an account in the name of Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese Yen to convert the obligations incurred by the Government of the recipient country or its designated authority under the contracts verified.

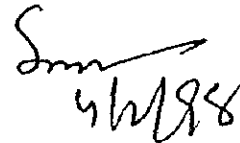
The Payment will be made when payment requests are presented by the Bank to the Government of Japan under the Authorization to Pay issued by the Government of the recipient country or its designated authority.

ANNEX-IV

Necessary measures to be taken by the Government of Pakistan and the Government of Balochistan in case Japan's Grant Aid is executed.

1. To provide the land for temporary site office, warehouse and stock yard during the implementation period.
2. To exempt all types of taxes and duties and to take necessary measures for customs clearance of the materials and equipment procured for the Project at the port of disembarkation.
3. To exempt Japanese nationals involved in the Project under the verified contracts from customs duties, internal taxes including sales tax and other fiscal levies which may be imposed in Pakistan with respect to the supply of the products and the services under the verified contracts.
4. To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such facilities as may be necessary for their entry in Pakistan and stay therein for the performance of their work.
5. To maintain and use properly and effectively the equipment procured under the Grant.
6. To bear all the expenses other than those to be borne by the Grant, necessary in connection with the implementation of the Project.
7. To bear commissions to the Japanese foreign exchange bank for the banking services based on Banking arrangement between the two governments.
8. To provide electricity, water supply, drainage and civil work on their own cost as explained in the Basic Design Study Report.
9. To provide the necessary staff under the criteria of selecting the instruments / equipment as explained in the Basic Design Study.



Sum  
4/12/88

REPORT OF WORKSHOP

A workshop was conducted on February 3, 1998 by the JICA Draft Basic Design Study Explanation Team to discuss the following two aspects of the project.

1. Log-Frame of the Project.
2. Delivery and handling over of the Equipment/Instruments.

The above mentioned topics were introduced and explained in detail by Dr. Yamagata, team leader to the participants (List attached). After detail discussion the following was approved by the participants of the workshop.

INSTRUMENTS

Karachi Port



- Transported by the Supplier

26 DHOs



- Joint inspection by DHOs and supplier
- Registration No.1 by DHOs
- Transported by DHOs

Facilities (RHCs +  
BHUs)

- Joint inspection by DHOs and Facility incharge.
- Registration No.2 by Facility incharge.

Supervision &  
Monitoring

- By Divisional Director of the respective divisions.
- The Government of Balochistan will make sure that the 3 Phase electricity as well as civil work required for installation is available.
- The Health Department/Government of Balochistan will identify the Electro Medical Engineer for installation and training at the time of detailed designing (D/D) of the project.

EQUIPMENT

Karachi Port



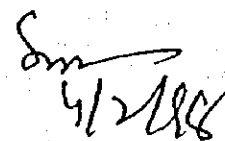
- Transported by Supplier

10 RHC & 2 BHU

- Installation by supplier and Electro Medical Engineer
- Test run by supplier and Electro Medical Engineer



  
4/2/98

- On the job training by the supplier to Electro Medical Engineer on maintenance and regular service
- Joint verification by facility incharge, Electro Medical Engineer and Supplier.

#### Training

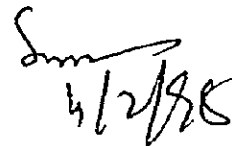
Training on X-Ray operation will be done at Sorange Coal Mines, Quetta. The Health Department, Government of Balochistan will invite operators from the 10 RHCs to Quetta for the on job training which will last for around 5 working days. The manufacturer will nominate trainer to impart training to the operators.

#### Tools

- One basic tool kit will be provided with each X-Ray Machine for recommendation of the manufacturer.
- One specialized tool kit will be provided to 5 Electro Medical Workshops for major repair as per recommendation of the manufacturer.

#### Supervisory Program

The supervision and monitoring of the Project will be conducted by the Health Department, Government of Balochistan, through the existing Health Management Information System vide mechanism elaborated in the instruction manual of the system in physical resource management chapter. Such reports will be communicated regularly to the JICA office at Islamabad on Quarterly basis.







4/2/85



## LIST OF PARTICIPANTS

1. Prof. Dr. Shahnaz Nazeer Baloch  
Head of Deptt., Gynecology, BMC, Quetta
2. Dr. Azma! Lateef  
Provincial Manager, EPI Balochistan, Quetta
3. Dr. A. Rashid Tareen,  
Director General Health Services, Health Deptt.
4. Dr. Ali Ahmed  
Director Health Services, Quetta
5. Dr. Sharif Ahmad Lodhi,  
Director Health Services, Khuzdar
6. Dr. Mir Mohammad,  
Project Director, PHCDP
7. Dr Akhtar H. Khan,  
Project Coordinator, Health Deptt.
8. Mr. M.A. Jilani,  
Deputy Resident Representative, JICA Pakistan Office
9. Dr. Y. Yamagata,  
Leader, Draft Basic Design Team, JICA
10. Ms J. Tsuda,  
Project Manager, Consultant, Draft Basic Design Team
11. Dr. I. Suzuki,  
Consultant, Draft Basic Design Team



4/2/88

## ANNEX-VI

### Monitoring of the Project

It is proposed that Monitoring and Evaluation be in-built in the Project right at the planning stage. The following indicators will be required to be monitored to evaluate the progress of the Project in terms of the inputs from the Government of Pakistan and the Government of Balochistan.

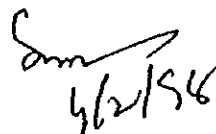
#### A. WHOLE INSTITUTIONS:

- (1) Funds allocated, released, utilized for;
  - i. Operation Cost
  - ii. Maintenance Cost
  - iii. Other Cost such as consumption of electricity / water etc.
  
- (2) Human Resources allocation;
  - i. Number of Medical Officers
  - ii. Number of Medical Technicians
  - iii. Number of LHVs/LHWs
  - iv. Number of Dais/TBAs
  
- (3) Health Care Services
  - i. No. of Curative Care/year
  - ii. No. of X-ray Tests/year
  - iii. No. of Laboratory Tests/year
  - iv. No. of Patients referred to RHCs /Hospitals /year

#### B EQUIPMENT

The instruments and equipment monitoring will be reported as prescribed in the Health Management Information System manual, Chapter Physical Resources Management.

This monitoring and reporting shall be submitted to the Embassy of Japan and JICA Office by the first quarter of the subsequent year through the Health Department of Balochistan Government.



4/2/96









JICA

