

7. RESCUE EQUIPMENT

- 1) Portable pump ----- 2 pcs
Capacity : 1,800 L/min.
- 2) Air breathing apparatus ----- 5 pcs
Charging pressure : 200 kg/cm²
- 3) Heat resistant suits ----- 5 pcs
Back pocket : Covered the Air breathing apparatus
- 4) Rescue chute ----- 1 pc
Length : 30 m
- 5) Rescue mat ----- 1 pc
Diameter : 3.5 m
- 6) Life line ----- 2 pcs
Length : 30 m
- 7) Fire suits set ----- 10 sets
(Helmet, coat, boots with cover, glove)
- 8) Walkie talkie ----- 5 pcs
Frequency : 134 - 174 MHZ, 6 channels
- 9) Air compressor for air breathing apparatus -- 1 pc
Electric driven, 220 V
Capacity : 0.14 m³/min
- 10) Radio communication for base station ----- 1 pc
Frequency : 134 - 174 MHZ
Out put : 40 W

4.3.2 Equipment Distribution Plan

The planned vehicles are to be located in the CDA Fire Service Headquarters and the fire sub station at the diplomatic enclave. The floor plans of the buildings are shown below:

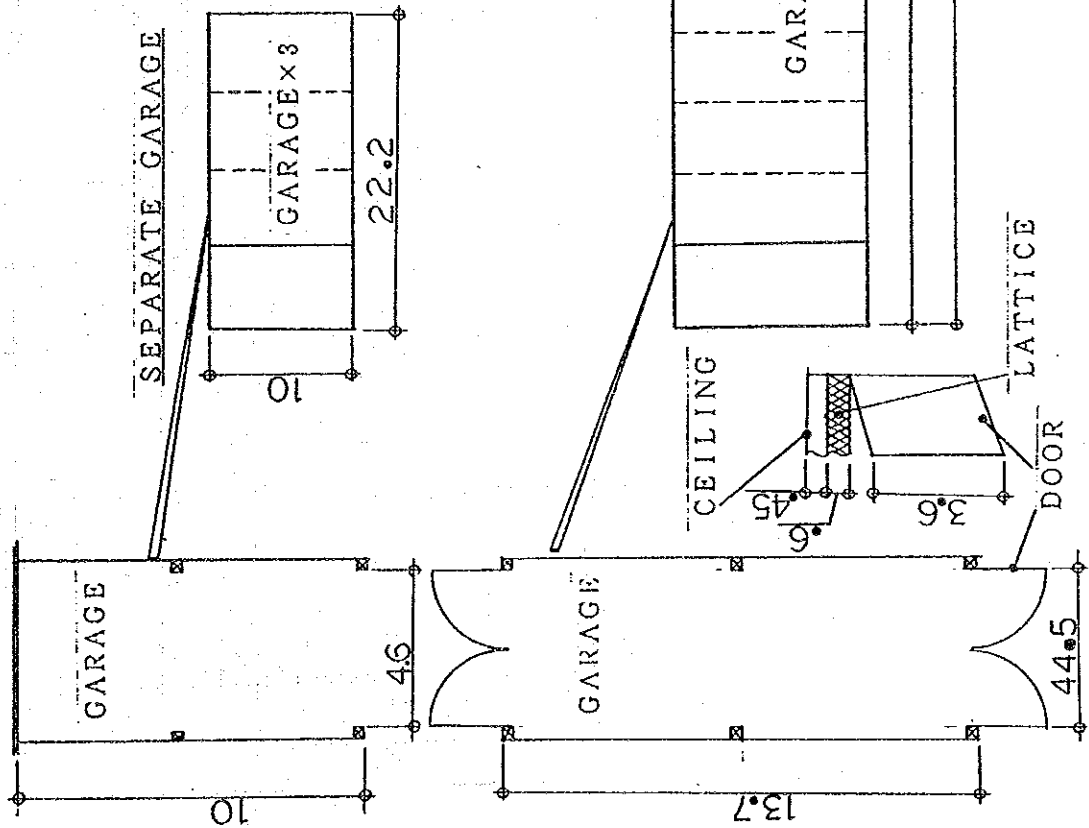
Fig.4-1 CDA Fire Service Headquarters, 1F Floor Plan

Fig.4-2 Fire Sub Station at Diplomatic Enclave, 1F Floor Plan

PLAN OF CDA FIRE SERVICE HEADQUARTERS

BUILDING SITE AREA		1 2, 0 4 0 m ²
MAIN BUILDING	BUILDING AREA	1, 2 8 6 m ²
	STRUCTURE	FIRE REGISTIVE BUILDING 3/0
	OCCUPANCY	IF: GARAGE, OFFICE 2.3F: OFFICIAL RESIDENCE
SEPARATE GARAGE (WORK SHOP)	BUILDING AREA	2 2 2 m ²
	STRUCTURE	FIRE REGISTIVE BUILDING 1/0
	OCCUPANCY	GARAGE, STORE

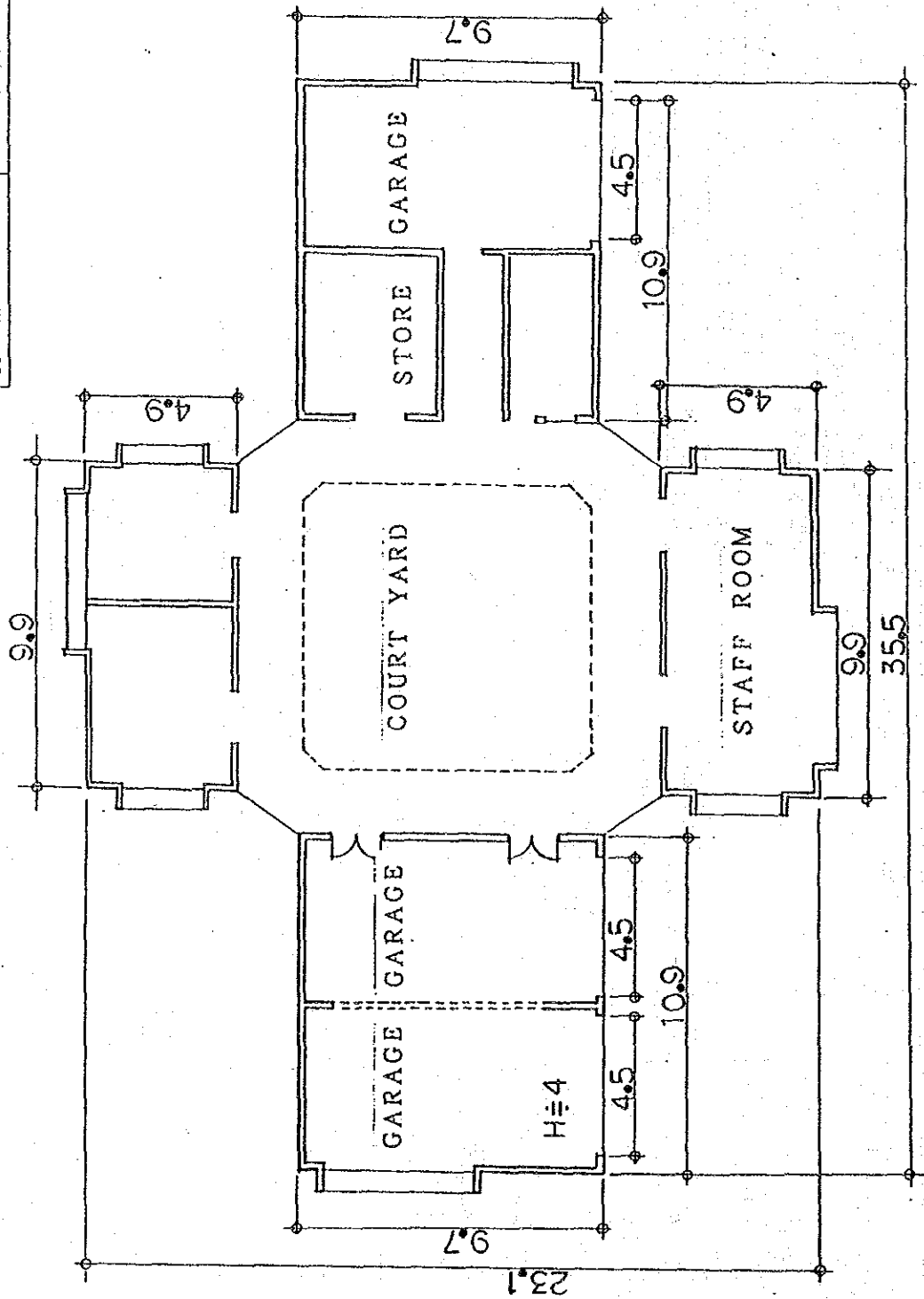
DETAILS



UNIT: m

PLAN OF FIRE SUB STATION AT DIPLOMATIC ENCLAVE

BUILDING SITE AREA	490 m ²
STRUCTURE	FIRE REGISTIVE BUILDING 3/0
OCCUPANCY	IF: GARAGE, OFFICE 2.3F: OFFICIAL RESIDENCE



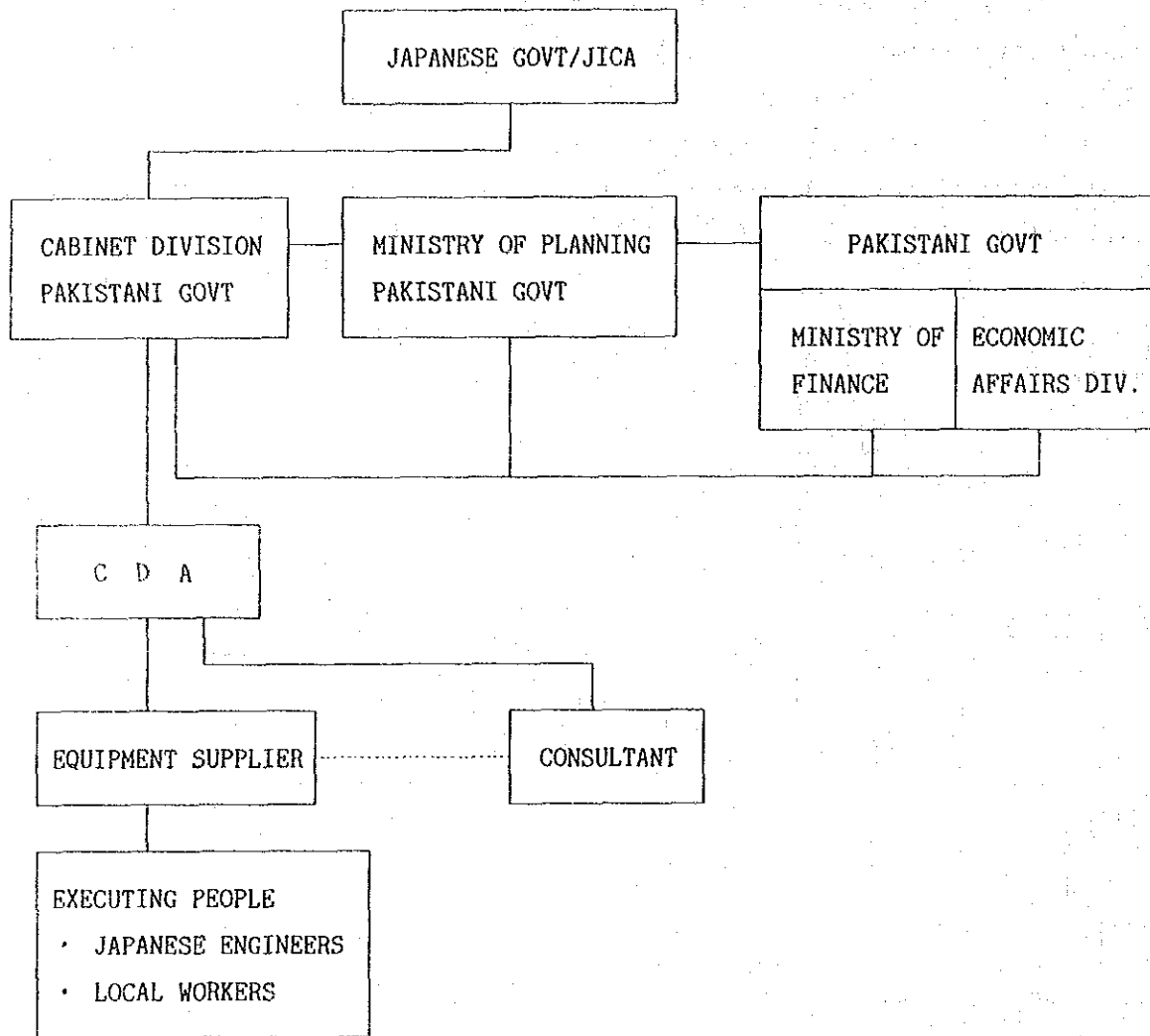
4.4 Project Implementation Plan

4.4.1 Implementation Policy

This Project covers the construction of buildings and facilities at the expense of Pakistan and the supply of equipment in the Japan's grant aid. The CDA, which is an executing body, will enter into a contract with a Japanese consultant and have him execute for the CDA the business of detailed design, preparation of tender documents, examination of tenders and management of the acquisition of equipment.

The execution setup of the project is shown in Fig. 4-3 Execution Setup of the Project.

Fig.4-3 Execution Setup of the Project



4.4.2 Items Requiring Special Consideration in Project's Implementation

The fire fighting trucks and equipment included in this Project are special purpose ones and take a long time to prepare. Hence, special consideration should be given to the implementation period. When dispatching an engineer for instruction in the operation of the fire fighting trucks and equipment requested, the most appropriate timing should be selected so as to assure efficient operation by minimizing any waiting time.

4.4.3 Implementation and Management Plan

Based on the Japanese Government's policy of grant aid assistance, the consulting agreement and the basic design, the consultant should form a project-implementing team on an integrated policy of the design and administration work and carry out the Project without delay until it is satisfactorily completed. In the process of the project implementation and administration, the consultant should also dispatch experts for the approval of manufacturing drawings, to witness of factory completion tests, and for delivery inspection, as required, to ensure smooth implementation throughout the period.

4.4.4 Division of Undertakings in the Project

(1) Work to be borne by Japanese side

The Japanese side is to take charge of the following portions of the Project.

- 1) Procurement, trial runs and adjustments, and instruction and training in the operation of provided equipment
- 2) Ocean transport and inspection before delivery

(2) Work to be borne by Pakistani side

In accordance with the guidelines of the Japanese grant aid assistance program, the Pakistani side should improve the buildings concerned, supply utilities, and carry out related work to attain the goal of reinforcing the fire service force in the metropolitan area. The Pakistani side is to take charge of the following portions of the Project.

1) Modification of the building (garage doors)

Although the ceiling height of the CDA Fire Service Headquarters building is not an obstacle to the passage of an aerial ladder truck, the lattice windows located at the upper part of the front doors have reduced the effective height. Since it is necessary to remove the gratings to expand the door opening, the CDA is to modify them.

2) Supply of water and other utilities necessary for operation of and training on the provided equipment

The Pakistani side should secure the large volume of water necessary for training in water hosing techniques and the necessary number of supporting members to assure smooth training.

3) Inland transport from a Pakistani port to Islamabad

The Pakistani side should take measures to quickly transport landed equipment and materials to Islamabad.

4) Procedures to be taken and expenses to be borne

- i) To bear expenses in accordance with bank agreements.
- ii) To bear expenses related to tax exemption procedures.
- iii) To take measures necessary for the Japanese side to smoothly unload the equipment and materials and clear customs.
- iv) To exempt Japanese nationals engaging in implementation of the Project from or bear on their behalf, duties, domestic taxes, another charges to be levied in Pakistan, under the approved agreement.
- v) To provide necessary facilities to the above-mentioned Japanese nationals to enter, leave, and travel in Pakistan for the duration of their assignment therein.
- vi) To arrange staff members necessary for implementation and administration of the Project.

The above-mentioned division of undertakings is shown in Table 4-1.

4.4.5 Equipment and Material Procurement Plan

(1) Procuring method

The equipment and materials for this project should be submitted to bidding

in bulk by suppliers (trading companies). All the equipment and materials should in principle be made in Japan or Pakistan, but for some of special items among them, the third countries' products may be taken into consideration for the reason mentioned below:

Hydraulic rescue unit, chain saw, and mat-type pneumatic jack:

There are no appropriate Japanese products, while some of the products of third countries are excellent in quality at reasonable prices.

Table 4-1 Division of Undertakings

Details of the Undertakings	Japanese side	Pakistani side
(1) Equipment and materials 1) Procurement of equipment 2) Trial runs and adjustments 3) Instruction and training in operation	○ ○ ○	
(2) Building modification work (repair of garage doors)		○
(3) Export and customs clearance 1) Transport to Pakistan 2) Tax exemption and customs clearance 3) Inland transport in Pakistan (from the port to the project site)	○	○ ○ ○
(4) Payment of B/A commissions to a Japanese foreign exchange bank		○
(5) Procedural convenience for Japanese nationals engaging in implementation of the Project to enter, leave and travel in Pakistan.		○
(6) Appropriate and effective operation and administration of the equipment and materials supplied under grant aid cooperation		○
(7) Bearing of all expenses related to the construction of facilities and transport of materials not included in the grant aid assistance		○
(8) Application for approval necessary to implement the project		○

(2) Transport of equipment and materials

The equipment and materials will be shipped in a single shipment and be unloaded in the port of Karachi, Pakistan. The Pakistani side undertakes the inland transportation of the equipment from Karachi to Islamabad. Since the equipment and materials contained in this project include large-sized special-purpose vehicles, it is necessary to pay special attention to not generating any troubles during their transportation and to have suppliers and manufacturers study transporting procedures by referring to past records of transportation in Pakistan.

4.4.6 Implementation process

Since this project is implemented under grant aid assistance of the Japanese Government, it will roughly proceed by taking the following steps.

(1) Implementation design (detailed design)

Detailed specifications of equipment and materials to be contained in the Project will be determined at the same time with the basic design study report.

Tender documents will be prepared and be approved by the ministries and agencies concerned. It will take about three months to complete these procedures.

(2) Manufacturing and delivery of the equipment and materials

The supplier of the equipment and materials should prepare drawings for approval and for manufacturing, manufacture the equipment and materials, load them on board ship and transport them to Pakistan. The supplier should carry out trial runs of the equipment and materials unloaded at the Pakistani port, under the witness of the CDA, the consultant, and other parties concerned, to confirm that they conform to the specifications, and deliver them to the Pakistani side. Thus, the supplier's work is completed. The Pakistani side should issue a Certificate of Project Completion to the supplier. If all the processes are carried out smoothly, the period between conclusion of the agreement and completion of the Project is estimated to be eleven months.

Figure 4-4 illustrates a tentative schedule of the Project's implementation.

Fig 4-4

PROGRESS OF PROJECT EXECUTION
 (Tentative Schedule of Project Implementation)

	1	2	3	4	5	6	7	8	9	10	11	12
Execution	(Field Survey)											
Design	(Domestic work:detailed design & prep. of tender documents)											
	(Local Confirmation)						(Total 3 months)					

	1	2	3	4	5	6	7	8	9	10	11	12
Procurement of	(Procurement & Manufacture)											
Equipment	(Marine Transportation)											
Manufacture	(Total 11 months)											

4.4.7 Expenses to be borne by the Pakistani side

Project costs to be borne by the Pakistani side (namely, expenses related to installation of the equipment and materials to be provided under the Project) are estimated to be about Rs.1.118 million (about ¥ 600million), as broken down below:

Items of Expenses	Amounts(thousand)
1) Building modification (garage doors)	Rs.18.7 (¥100)
2) Inland transport charges	Rs.1,099.3 (¥5,870)
Total	Rs.1,118.0 (¥5,970)

**CHAPTER 5 EFFECTS OF THE PROJECT'S
IMPLEMENTATION AND CONCLUSION**

Chapter 5 Effects of the Project's Implementation and Conclusion

5.1 Effects of the Project's Implementation

The objective of this Project is to improve and reinforce the fire service force of the Specified Area of Islamabad in Pakistan to protect people's lives and property from disasters and to reduce damage caused by fires and other disasters.

It is strongly desired through the implementation of this Project that the CDA Fire Service will be set up as a typical model of a fire fighting system in Pakistan and will play a role in realizing the goal of establishing modern fire-fighting organizations and systems as a national project.

Effects of the Project when implemented in correspondence to the above-mentioned objective are listed in Table 5-1.

Table 5-1 Effects of the Project's Implementation and the Degree of Improvement

No.1

Present Situation and Problems	Solutions through the Project's Implementation	Effects of the Projects's Implementation and the Degree of Improvement
<p>1. Pakistan has been endeavouring to construct modern state since its independence. However, it has not made much progress in establishing a nationwide fire fighting system. The fire fighting system of the Metropolitan Area of Islamabad, among others, cannot meet the demand for fire fighting in modernized cities.</p>	<p>Fire defense equipment provided under the Project are to be located in the CDA Fire Service Headquarters building and the newly constructed fire sub station at the deplomatic enclave. The CDA Fire Service, which is the nuclu es of fire fighting force in the metropolitan area, will make up for insufficient fireservice forces in the area.</p>	<p>The Project implementation will strengthen and improve the fire defense system of the Islamabad Fire Service to a considerable degree. This will in turn strengthen fire defense forces of Rawalpindi and the Islamabad Airport, which are adjacent to the capital, through satisfactory responses to requests for assistance.</p>
<p>2. As a result of steady progress in the construction of the planned city Islamabad, the number of medium- and high-rise buildings reached 257 as of the end of October 1991. If fires break out in these buildings, the Fire Service must work with its insufficient equipment.</p>	<p>A 46-meter aerial ladder truck to be supplied will make it possible for the Service to fight fires in medium- and high-rise buildings.</p>	<p>The existing 27-meter snorkel truck is unrepairable any longer. This may result in a serious situation where no proper measures can be taken against fires in medium- and high-rise buildings.</p>
<p>3. With steady development of the capital, Islamabad has seen increasing cases which require special rescue activities. Since the Fire Service has insufficient fire equipment to deal with these cases, sufficient supplies of fire equipment are urgently necessary.</p>	<p>A rescue truck and a set of rescue equipment, which are urgently necessary, are to be supplied in the first place, for special rescue activities.</p>	<p>In order to deal with large traffic accidents, etc., which require special rescue activities to relieve victims as soon as possible, it is necessary to use fire equipment most suitable for the situation. The Project's implementation is expected to answer these necessity.</p>
<p>4. The water piping in the metropolitan area has no hydrants. Fire fighting therefore completely depends on water tank trucks. However, most of the 29 water tank trucks possessed by the fire defense agencies in the area are superannuated, with only 14 trucks being operable. Provision of additional water tank trucks, which are indispensable in fire fighting, is urgently necessary.</p>	<p>To strengthen fire fighting force, nine fire truck with 12,000-liter water tank and two fire truck with 4,000-liter water tank (totaling 11) are to be supplied. The two fire truck with 4,000-liter water tank must be speedy ones capable of small sharp turns, because they are to be used to respond to requests for assistance from Rawalpindi.</p>	<p>The CDA is to possess 25 medium and large water tank trucks including 11 water trucks to be newly supplied under the Project. They are expected to exercise their full power in fire fighting.</p>

Present Situation and Problems	Solutions through the Project's Implementation	Effects of the Projects's Implementation and the Degree of Improvement
<p>5. Fire-fighting activities are effective only when systematically carried out under the control of the general commander on the scene. To be effective, the general commander on the site and commanders of the fire companies to be dispatched must keep close contact with one another. Supply of a command car with a radio installation as well as a utility truck is urgently necessary for this purpose.</p>	<p>All vehicles to be supplied are to be provided with portable radio equipment to facilitate transmission of direction and reporting of the situation.</p>	<p>Provision of radio equipment for all vehicles to be supplied under the Project will facilitate transmission of commander's directions. Fire fighting activities can be carried out based on precise reports received at any time.</p>
<p>6. Fire fighting systems of cities in Pakistan must be established and strengthened as early as possible. However, there are no cities providing a model of a modern fire defense system.</p>	<p>Through the Project's implementation, Islamabad will become a model of a fire fighting system for other cities of the country.</p>	<p>The Project's implementation not only strengthens fire fighting force in the Metropolitan Area but also gives a deeper understanding of a desirable fire fighting system in modern cities. The Project's implementation is expected to greatly contribute to establishment of a nationwide fire fighting system.</p>

5.2 Conclusion

To improve and reinforce fire organizations and department resources is one of the vital themes which are indispensable in modernizing a city. This Project intends, as stated above, to protect people's lives and property from disasters occurring in the Islamabad metropolitan area, to reduce damage caused by fires and other disasters, and to contribute to the maintenance of peace and order and the promotion of public welfare.

Since this Project makes direct and indirect contributions to urban modernization which the whole country is endeavoring to realize, it is appropriate to implement it under the grant aid assistance of the Japanese Government.

No special problems are expected to exist in terms of organizations, personnel, and budgets on the Pakistani side for implementing and administering the Project. However, self-help efforts on the part of the Pakistani side are fully expected regarding the following points to ensure full achievement of the Project's effects.

(1) Implementation of undertakings to be borne by the Pakistani side

It is necessary that the Pakistani side should; i) establish a preparatory system to accept the equipment and materials which are to be distributed to the fire service stations, ii) smoothly carry out inland transport of the equipment and materials and bear related expenses for which the Pakistani side is responsible, iii) secure safety of Japanese engineers who engage in technical training, and iv) take prompt steps in landing, customs clearance, and related procedures.

(2) Continued allocation of maintenance expenses

Continued allocation of appropriate levels of maintenance expenses is indispensable for assuring effective use of the planned equipment and materials. The CDA should make efforts to continuously allocate necessary budgets to cover maintenance expenses and to assure expected utilization of the equipment and materials.

(3) Training of operators

Firemen should be appropriately stationed and trained for better utilization of the equipment and materials to be supplied under the Project. It

is necessary to establish a system for clarifying responsibility for operating and maintaining them and training operators without delay in accordance with a plan to install the equipment and materials.

(4) Improvement of maintenance systems

It is necessary to assure a constant stock of spare parts which are to be supplied together with the equipment and materials under the Project. Due attention should be paid to stock and inventory control of these spare parts, and any shortage in stock should be replenished appropriately. It is also important that operation and maintenance manuals should be fully understood by firemen in charge of operation and maintenance and be kept in safe keeping by designated persons.

APPENDICES

バキスタン イスラマバード消防機材整備計画 調査団構成

- | | | |
|--|---------------------------------|--|
| (1) 総括
Leader | 三好 皓一
MIYOSHI,
Koichi | JICA無償資金協力調査部
基本設計調査第二課 課長
Director, Second Basic Design Study
Division, Grant Aid Study & Design
Department, JICA |
| (2) 消防政策
Firefighting
Policy | 高橋 友彦
TAKAHASHI,
Tomohiko | 自治省消防庁消防課 主幹
Chief Manager, Fire Defence Division,
Fire Defence Agency, Ministry of Home
Affairs |
| (3) 計画管理
Project
Coordinator | 岩崎 英二
IWASAKI,
Eiji | JICA無償資金協力調査部
基本設計調査第二課
Second Basic Design Study Division,
Grant Aid Study & Design Department,
JICA |
| (4) 消防計画
Firefighting
Plan | 村上 保富
MURAKAMI,
Yasutomi | (財)日本消防設備安全センター
Fire Protection Equipment and Safety
Center of Japan |
| (5) 消防車両
Firefighting
Trucks | 高橋 茂男
TAKAHASHI,
Shigeo | 〃 |
| (6) 運用・配置計画
Operation and
Arrangement Plan | 大野 春雄
ONO,
Haruo | 〃 |
| (7) 機材計画/積算
Equipment Plan/
Cost Estimate | 木戸 昭治
KIDO,
Shoji | 〃 |

A-2 Basic Design Study Schedule

	Officers of the team	Consultants of the team	
Nov.11(Mon)	Tokyo - Islamabad	Tokyo - Islamabad	K.Miyoshi, team leader joins via Beijing
Nov.12(Tue)	Islamabad	Tokyo - Islamabad	JICA Office, Embassy, CDA
Nov.13(Wed)	ditto	ditto	Discussion with CDA and Observation
Nov.14(Tur)	ditto	ditto	ditto
Nov.15(Fri)	ditto	ditto	
Nov.16(Sat)	ditto	ditto	Discussion with CDA
Nov.17(Sun)	ditto	ditto	Signature of R/D
Nov.18(Mon)	Islamabad-Karachi	ditto	JICA Office, Embassy,
Nov.19(Tue)	Karachi - Bangkok 13:00 19:35 (PK792)	ditto	
Nov.20(Wed)	Bangkok - Tokyo 10:30 18:00 (TG760)		
Supplimentary study by consultants of the team			
Nov.23(Sat)		Islamabad-Karachi 16:30 18:25 (PK313)	
Nov.24(Sun)		Karachi	Observation Study at Karachi Fire Service
Nov.25(Mon)		Karachi - Bangkok 3:30 9:55 (TG508) Bangkok - Tokyo 11:15 19:00 (TG640)	

Basic Design Study Team on the Project for
Providing Fire Fighting Trucks & Equipment for
Capital Development Authority (CDA), Islamabad

Proposed Itinerary

1991/11/11(Mon)

20:55 Arr: at Islamabad by PK-753 Check-in at Islamabad Hotel
(Ph: 051-827311)

11/12(Tue)

10:00 Meeting at JICA Pakistan Office Mr. Akihiro MITARAI,
Resident Representative

11:00 C/Call at the Embassy of Japan Mr. Koichi MURASE,
First Secretary

12:00 C/Call at the Economic Affairs Division Mr. Akhtar Iqbal,
Deputy Secretary,
Room No. 330, 3rd Floor,
Pak-Secretariat,
Islamabad (Ph: 820715)

14:00 C/Call at the Cabinet Division Mr. Mohammad Aslam,
Joint Secretary (Coord),
Cabinet Division,
Room No. 2042, 2nd Floor,
Cabinet Block, Islamabad
(Ph: 817169)

11/13(Wed)

09:30 C/Call at the Capital Development Authority (CDA) Mr. Fariduddin Ahmad,
Chairman,
Committee Room,
Executive Block,
CDA Complex, Islamabad

10:30 Meeting with the authorities concerned of CDA and observation of the Project Site and facilities Mr. Mohammad Rafique,
Member (Engineering)
Room No. 105, Block No.5,
Executive Block,
CDA Complex, Islamabad
(Ph: 817839)

11/14(Thu)

09:30 -ditto- -ditto-

11/15(Fri)

Holiday

11/16(Sat)

09:30	Meeting with the authorities concerned of CDA	Mr. Mohammad Rafique, Member (Engineering) Room No. 105, Block No.5, Executive Block, CDA Complex, Islamabad (Ph: 817839)
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11/17(Sun)

09:30	Signing of the Minutes of Meeting	-ditto-
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11/18(Mon)

10:30	Report to JICA Pakistan Office	Mr. Akihiro MITARAI, Resident Representative
11:00	Report to the Embassy of Japan	Mr. Koichi MURASE, First Secretary
12:00	Report to Economic Affairs Division	Mr. Akhtar Iqbal, Deputy Secretary
16:30	Dep: for Karachi by PK-313	
18:25	Arr: at Karachi	Check-in at Holiday-Inn (Ph: 021-522011)

11/19(Tue)

13:00	Dep: for Bangkok	
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MOHAMMAD ASLAM,
Joint Secretary (Coord),
Cabinet Division

モハマッド・アスラム
内閣省調整局長

AKHTAR IQBAL,
Deputy Secretary
Economic Affairs Division
Ministry of Finance.

アクトル・イクバル
大蔵省経済局部長

FAIZUR RAHMAN
Section Officer
Economic Affairs Division

ファイズル・ラーマン
大蔵省経済局課長

FARID UD AHMAD
Chairman, CDA & Mayor

ファリド・ウド・ディン・アーマド
CDA 長官兼イスラマバード市長

MOHAMMAD RAFIQ AHMAD
Member (Engineering), CDA

モハマッド・ラフィーク・アーマド
CDA 副長官 (技術担当)

ABDUL SALAM WAZIR
Director General, CDA

アブドル・サラム・ワジル
CDA 副長官

GHULAM HAIDER CHAUDHRY
Director Municipal
Administration (DMA), CDA

グラム・ハイダー・チョードリ
CDA 都市行政部長

ABDUL WAHID SHAHID
Director, Programming,
Evaluation & Costing, CDA

アブドル・ワヒド・シャヒド
CDA 企画部長

MUHAMMAD IQBAL-UD-DIN
Deputy Director
(Fire & Civil Defence)
Civil Defence Organization, CDA

ムハマッド・イクバル
CDA 副部長

SYED SARFRAZ HAIDER SHIRAZI
Fire Officer
Islamabad Fire Service

サイド・サーフラズ・ハイダー・シラジ
イスラマバード消防局長

MOHAMMAD AKBAR
Director (A & C)
Directorate General Civil Defence

モハマッド・アクバル
民間防衛局長

SYED NASIR HUSSAIN
Deputy Airport Manager
Civil Defence Authority

サイド・ナシル・フセイン
民間航空局
イスラマバード空港
副支配人

SAHILE NAWAZ KHAN
Director, Establishment
Agriculture Development
Bank of Pakistan (ADBP)

シャヒル・ナワズ・カーン
バキスタン農業開発銀行

AKBAR NAWAZ
Director Machinery
Pool Organization, CDA

アクバル・ナワズ
CDA 装備工場長

MIAN AHMAD MAHMOOD
Deputy Director Machinery
Pool Organization, CDA

ミアン・アーマド・マームード
CDA 副装備工場長

AZIZ AHMAD
Fire Officer
Rawalpindi Fire Service

アジズ・アーマド
ラウルピンディ消防署長

SHAH REHMAN
Fire Superintendent
Cantonment Board
Rawalpindi

シャーン・レーマン
ラウルピンディ
カントンメン委員会 (自治区)
消防署長

S.A.T. WASTI
Director, Public Relations, CDA

S. A. T. ワスティ
CDA 広報部長

MUHAMMAD HAYAT KHAN
Deputy Director
Municipal Administration, CDA

モハマッド・ハヤット・カーン
CDA都市行政副部長

GHULAM MOHI UDDIN CHAUDHERY
Fire Instructor
Islamabad Fire Service

GRAM MOHI UDDIN CHAUDHRY
Islamabad Fire Service

MINUTES OF DISCUSSIONS

BASIC DESIGN STUDY

ON

THE PROJECT FOR PROVIDING FIREFIGHTING TRUCKS AND EQUIPMENT
FOR ISLAMABAD IN THE ISLAMIC REPUBLIC OF PAKISTAN

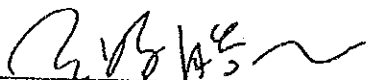
In response to the request from the Government of the Islamic Republic of Pakistan, the Government of Japan decided to conduct a Basic Design Study on the Project for Providing firefighting trucks and equipment for Islamabad (hereinafter referred to as "the Project"), and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to Pakistan a study team, which is headed by Mr. Koichi Miyoshi, Director, Second Basic Design Study Division, Grant Aid Study and Design Department, JICA, and is scheduled to stay in the country from November 11 to November 25, 1991.

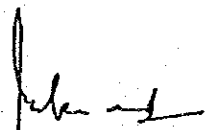
The Team held discussions with the officials concerned of the Government of Pakistan and conducted field surveys at the study area.

In the course of discussions and field survey, 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.

Islamabad, November 17, 1991

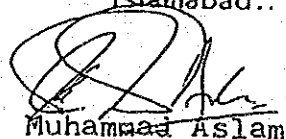


Mr. Koichi Miyoshi
Leader,
Basic Design Study Team, JICA



Mr. Muhammad Rafiq Ahmad
Member Engineering
Capital Development Authority
Islamabad..

Counter signed.



Muhammad Aslam
Joint Secretary (Coord),
Cabinet Division,
Islamabad.

skilled



20/11/91

D. P. S. (EAD)
Economic Affairs Division
Islamabad

ATTACHMENT

1. Objective of the Project

The objective of the Project is to assist to enhance fire fighting capability in the Capital Development Authority (CDA) and to protect the lives and property of people in the Specified Area of Islamabad including Rawalpindi and Islamabad Airport by providing the fire fighting trucks and equipment.

2. Project Areas

The project areas are as shown in the attached ANNEX - I .

3. Executing Agency

The Capital Development Authority is responsible for the administration and execution of the Project as well as strengthening of fire fighting forces.

4. Necessary items for the realization of the Project requested by the Government of Pakistan

After discussions with the Basic Design Study Team, the items shown in ANNEX - II were judged necessary for the realization of the Project. However, the final components of the Project may differ from the items mentioned in ANNEX-II if judged necessary after further studies.

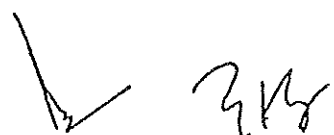
5. Grant Aid system extended by the Government of Japan

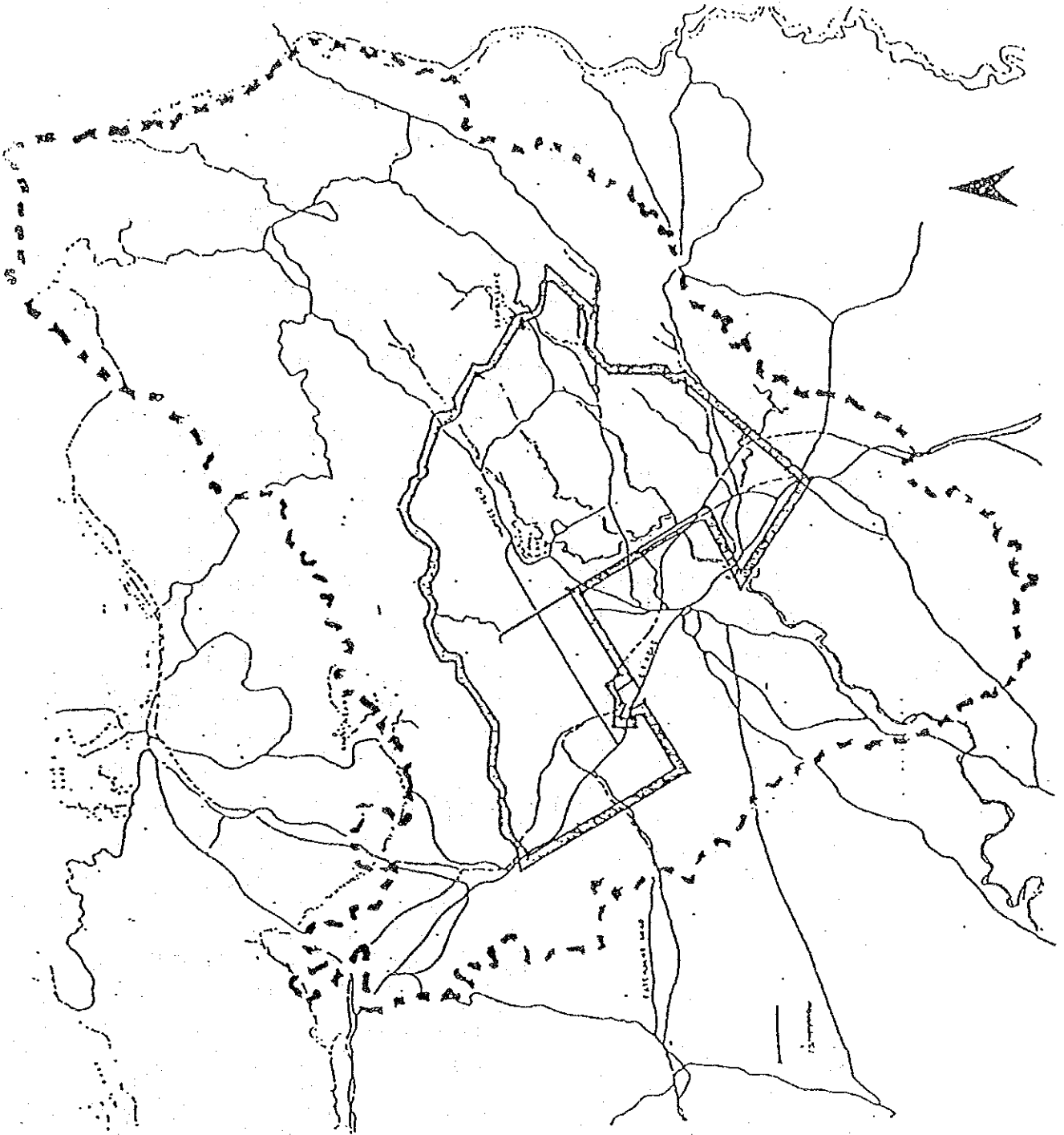
- (1) The Government of Pakistan has understood the system of the Japanese Grant Aid explained by the team.

- (2) The Government of Pakistan will take necessary measures, described in ANNEX - III for smooth implementation of the Project on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.

6. Schedule of the Study

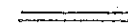
- (1) The consultants will proceed to further studies in Pakistan until November 25, 1991.
- (2) Based on the Minutes of Discussions and technical examinations of the study results, JICA will complete the final report and send it to the Government of Pakistan by March, 1992.

Handwritten signature and initials, possibly 'L' and 'Ely'.



Specified Area of Islamabad

Islamabad Capital Territory Limits



NECESSARY ITEMS FOR REALIZATION OF THE PROJECT

Vehicles	Number
1) 46m aerial ladder truck	1
2) Fire truck with 12,000ℓ water tank	9
3) Fire truck with 4,000ℓ water tank	2
4) Rescue truck	1
5) Command car	1
6) Pickup truck	1

Total	15
Others	
7) Rescue equipment	1 set
8) Spare parts	1 set
9) Consultancy services	1 set

Handwritten signature and initials, possibly 'Z/18', located below the table.

ANNEX III

Necessary measures to be taken by the Government of Pakistan

1. To bear the following commissions to the Japanese foreign exchange bank for banking services based upon the Banking Arrangement.
 - 1) Advising Commission of Authorization to Pay
 - 2) Payment Commission
2. To ensure prompt unloading, tax exemption, customs clearance at ports of disembarkation in Pakistan and prompt internal transportation of the fire fighting trucks and equipment provided under the Grant Aid.
3. To accord Japanese nationals whose services may be required in connection with the supply of the products and 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.
4. To assign the necessary number of fire personnel for the fire fighting trucks and equipment purchased under the Grant.
5. To assign, maintain and use properly and effectively the fire fighting trucks and equipment purchased under the Grant and to strengthen the fire fighting forces by constructing the remaining sub-stations.
6. To bear all the expenses other than those to be borne by the Grant Aid, necessary for the execution of the Project.

JICA

