

APPENDICES

- 1. Member List of the Survey Team**
 - 1-1 Basic Design Study Team**
 - 1-2 Draft Report Explanation Team**
 - 1-3 Implementation Review Study**
- 2. Survey Schedule**
 - 2-1 Basic Design Study**
 - 2-2 Explanation of Draft Basic Design**
 - 2-3 Implementation Review Study**
- 3. List of Party Concerned in the Recipient Country**
 - 3-1 Basic Design Study & Explanation of Draft Basic Design**
 - 3-2 Implementation Review Study**
- 4. Minutes of Discussions (Basic Design Study)**
- 5. Minutes of Discussions (Explanation on Draft Report)**
- 6. Minutes of Discussions (Implementation Review Study)**
- 7. Cost Estimation Borne by the Recipient Country**
- 8. Organization Charts**
- 9. Staff Allocation Plan**
- 10. Planned Training Schedule at NTI**
- 11. ATTC Courses and Meeting Plan 2001**
- 12. Other Relevant Data**
 - 12-1 Geological Survey**
 - 12-2 Topographical Survey**
 - 12-3 Voltage Fluctuation Data**
- 13. Condition of the Relevant Facilities**
- 14. References**

1. Member List of the Survey Team

Appendix 1-1 Member List of Basic Design Study (April 15 to May 19, 2000)

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|--|---|
| 1. Team Leader | Dr. Masashi SUCHI
Chief, Project Development & Management Divn.,
Department of International Cooperation,
The Research Institute of Tuberculosis,
Japan Anti-Tuberculosis Association (JATA) |
| 2. Coordinator | Mr. Tsutomu KOBAYASHI
Donor Coordination Division,
Planning and Evaluation Department.
Japan International Cooperation Agency (JICA) |
| 3. Project Manager
(Architecture Planner) | Mr. Tetsuro NISHIMURA
Kume Sekkei Co.,Ltd. |
| 4. Architecture Designer | Mr. Shigeru ENOMOTO
Kume Sekkei Co.,Ltd. |
| 5. Facility Planner | Mr. Hiroki YOKOYAMA
Kume Sekkei Co.,Ltd. |
| 6. Equipment Planner - I | Mr. Shigetaka TOJO
International Techno Center Co., Ltd. |
| 7. Equipment Planner - II | Ms. Yuka KAWABATA
International Techno Center Co., Ltd. |
| 8. Procurement and Cost Planner | Mr. Hiroyuki TSUCHIYA
Kume Sekkei Co.,Ltd. |
| 9. Interpreter | Mr. Tomoya TAKASE
Japan International Cooperation Center (JICE) |

Appendix 1-2 Member List of Draft Explanation Study
(August 12 to September 01, 2000)

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|--|---|
| 1. Team Leader | Dr. Masashi SUCHI
Chief, Project Development & Management Divn.,
Department of International Cooperation,
The Research Institute of Tuberculosis,
Japan Anti-Tuberculosis Association (JATA) |
| 2. Coordinator | Mr. Yukio IWAKI
Second Project Management Division,
Grant Aid Management Department.
Japan International Cooperation Agency (JICA) |
| 3. Project Manager
(Architecture Planner) | Mr. Tetsuro NISHIMURA
Kume Sekkei Co., Ltd. |
| 4. Architecture Designer | Mr. Shigeru ENOMOTO
Kume Sekkei Co., Ltd. |
| 5. Equipment Planner - I | Mr. Shigetaka TOJO
International Techno Center Co., Ltd. |
| 8. Procurement and Cost Planner | Mr. Hiroyuki TSUCHIYA
Kume Sekkei Co., Ltd. |
| 9. Interpreter | Mr. Tomoya TAKASE
Japan International Cooperation Center (JICE) |

Supplemental Consultant Staff:

- | | |
|-----------------------|--|
| 10. Facility Designer | Mr. Takakazu MYOUE
Kume Sekkei Co., Ltd. |
| 11. Electric Planner | Mr. Takeya SHIMODA :
Kume Sekkei Co., Ltd. |

**Appendix-1-3 Member List of the Team of Implementation Review Study
(March 01 to March 09, 2002)**

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|---------------------------------------|--|
| 1. Team Leader | Mr. Norio SHIMOMURA
Deputy Managing Director
Grant Aid Management Department
Japan International Cooperation Agency (JICA) |
| 2. Coordinator | Mr. Osamu TANAKA
Middle East and Europe Division
Regional Department IV
Japan International Cooperation Agency (JICA) |
| 3. Project Manager | Mr. Tetsuro NISHIMURA
Kume Sekkei Co.,Ltd. |
| 4. Architecture Planner | Mr. Hiroyuki TSUCHIYA
Kume Sekkei Co.,Ltd. |
| 5. Equipment Planner/
Cost Planner | Mr. Shigetaka TOJO
International Techno Center Co., Ltd. |

2. Survey Schedule

Appendix 2-1 SURVEY SCHEDULE FOR BASIC DESIGN STUDY

(April 15 ~ May 19, 2000 : 35days)

No	Date (Day)	Activities		
1	April 15 (Sat)	13:00 Left Tokyo by JL-407 & LH-715 Consultant (Mr. Nishimura, Mr. Enomoto, Mr. Yokoyama, Mr. Tojo, Ms. Kawabata, Mr. Tsuchiya, Mr. Takase) 18:00 Arrive at Frankfurt		
2	16 (Sun)	14:20 Left Frankfurt (LH-652) 23:40 Arrive at Sana'a		
3	17 (Mon)	08:00 Team meeting for schedule 09:00 Embassy of Japan courtesy call 10:00 MOPD courtesy call (Mr. Hisham) 11:00 MOPH courtesy call (Mr. Faisal), Explanation of Inception Report 14:00 Meeting with JICA Technical Cooperation (Ms. Egami, Mr. Watanabe)		
4	18 (Tue)	09:30 Observation of NTI / Survey of background of request 16:00 Meeting with local consultant on geological survey 17:00 Team meeting	<Equipment Planning Survey (Aden)>	
5	19 (Wed)	09:00 Survey of NTI activities (Organization, Staff, Activities, etc.) 16:00 Meeting with local consultant on geological survey	11:30 Mr. Tojo, Ms. Kawabata left Sana'a (IY804) 12:14 Arrive at Aden 13:30 Meeting with PHC	
6	20 (Thu)	09:00 Observation of Sana'a city	09:00 Survey of PHC Lab. 11:00 Survey of Mansourah PC	
7	21 (Fri)	09:00 Observation of Sana'a city <Confirmation of Contents of Request>	<Facility Planning Survey (Aden)> 19:00 Mr. Enomoto, Mr. Tsuchiya, Mr. Yokoyama, left Sana'a (IY-854) 20:00 Arrive at Aden	Data filing / input
8	22 (Sat)	04:30 Dr. Suchi, Mr. Kobayashi arrive at Sana'a (EK451) 10:30 Embassy of Japan Courtesy Call 11:45 MOPD Courtesy Call 12:30 MOPH Courtesy Call 14:30 Observation of NTI	09:00 Director of Aden PHC courtesy call 10:00 Aden Health Office courtesy call 11:00 Meeting with GTC of PHC 13:00 Site observation 15:00 Data filing / input	
9	23 (Sun)	09:30 Dr. Suchi, Mr. Kobayashi, Mr. Nishimura, Mr. Takase, Ms. Egami, Mr. Watanabe left Sana'a (IY406) 10:15 Arrive at Aden 11:00 DG of Aden Health Office Courtesy Call 11:45 Observation of Medan PC 12:45 Observation of Mu'lla PC 15:00 Meeting with Yemeni staff	07:30 Site confirmation 09:00 Survey of Khormaksar HU 09:30 Survey of Jumhuriyah Hospital 10:00 Survey of Medan PC 10:30 Survey of Mu'lla PC 11:00 Survey of Tawahi HU 11:30 Survey of Mansourah PC 14:00 Team meeting 15:00 Data filing / input	09:00 Meeting at PHC 09:30 Survey of Khormaksar HU 11:00 Survey of Medan PC 15:00 Data filing / input 17:00 Survey of local agent
10	24 (Mon)	08:00 Team meeting 09:00 Meeting with Director of PHC 10:15 Meeting with DG of Aden Health Office 11:10 Governor of Aden Courtesy Call 12:45 Observation of Mansourah PC 13:30 Observation of Sheikh Othman PC 17:00 Team meeting	08:00 Team meeting 09:00 Contract with local consultant on geological survey 09:30 Survey of Boreiqa PC 10:30 Survey of Observation of Sheikh Othman PC 11:30 Survey of PHC Laboratory 14:00 Data filing / input 17:00 Team meeting	08:00 Team meeting 09:00 Meeting at PHC 09:30 Survey of Tawahi HU 11:00 Survey of Mu'lla PC 15:00 Data filing / input 17:00 Team meeting

No	Date (Day)	Activities		
11	25 (Tue)	08:45 Observation of Jumhuriyah Hospital	09:00 Observation of construction site in Aden	09:00 Survey of Lab. of Jumhuriyah Hospital
		11:15 Meeting on contents of facility at PHC		
		15:00 Meeting on contents of facility	12:00 Survey of maintenance office in Jumhuriyah Hospital	15:00 Data filing / input
12	26 (Wed)	08:00 Team meeting	08:00 Team meeting	08:00 Team meeting
		09:00 Meeting on equipment plan at PHC	09:00 Survey of building regulation at Ministry of Construction Aden office	09:00 Meeting on equipment plan at PHC
		12:00 Report to DG of Health Office		12:00 Report to DG of Health Office
		15:00 Data filing / input	15:15 Observation of hotel construction site	15:00 Data filing / input
13	27 (Thu)	06:00 Ms. Egami, Mr. Watanabe left Aden (1Y405)	10:00 Team meeting Data analysis	10:00 Team meeting Data analysis
		06:00 Arrive at Sana'a		
		10:00 Team meeting		
14	28 (Fri)	19:15 Dr. Suchi, Mr. Kobayashi, Mr. Nishimura, Mr. Tojo, Ms. Kawabata l left Aden (1Y651)	Draw up facility concept plan	
		20:00 Arrive at Sana'a		
15	29 (Sat)	<Discussion on Minutes of Meeting (MM)· Equipment Planning Survey (Sana'a)>		<Facility Planning Survey (Aden)>
		09:00 Meeting with MOPH/JICA technical cooperation	09:00 Survey of infrastructure at Aden Health Office	
		10:00 Meeting with MOPH on contents of facility & equipment	10:30 Survey on Building Permit at Mansourah District Office	
		12:00 Discussion on MM	11:00 Hearing from Aden Health Office engineer	
		14:00 Preparation of attached document for Minutes of Meeting	13:30 Market survey on construction material	
16	30 (Sun)	09:00 Discussion on MM at MOPH	09:00 Meeting with Aden Health Office engineer	
		11:40 Minister of MOPH courtesy call	10:00 Survey of General Corp. for Electricity, Telecom, Water & Sewerage in Aden	
		12:30 NTR confirmation	11:30 Meeting with Telecom at Mansourah Office	
		14:00 Luncheon meeting (by Minister of MOPH)	13:30 Meeting with General Corp. for Water & Sewerage	
		15:45 Team meeting on MM		
17	May 1 (Mon)	Holiday (May Day)	08:30 Survey of Aden city sewage treatment plant & water supply facility	
		10:00 Observation of market in Sana'a	09:30 Observation of construction market in Aden	
			13:30 Data analysis	
18	2 (Tue)	09:00 Correction of draft MM at MOPH	09:00 Survey of maintenance workshop at Aden Health Office	
		Collection of data	11:00 Observation of Aden medical storage	
		11:30 Meeting with Mr. Faisal	13:00 Survey of unit price of construction material	
		14:00 Luncheon meeting (by Team Leader)		
19	3 (Wed)	08:45 WHO Representative Office courtesy call	09:30 Survey of concrete supplier	
		10:30 Correction of draft MM at MOPD	09:00 Observation of solid waste treatment place	
		Collection of data	10:00 Survey of construction organization	
		12:10 Signing on MM		
		13:45 Report to Embassy of Japan	12:00 Meeting with Ministry of Construction Aden Office	
20	4 (Thu)	02:10 Dr. Suchi, Mr. Kobayashi, Ms. Kawabata left Sana'a (1Y653)	Data analysis	
		→ Arrive at Narita 5/5		
		20:00 Mr. Nishimura, Mr. Tojo left Sana'a (1Y360)		
		20:45 Arrive at Aden		

No	Date (Day)	Activities	
21	5 (Fri)	<Facility / Equipment Planning Survey (Aden)> 17:00 Team meeting	
22	6 (Sat)	09:30 Supplementary survey at PHC 11:00 Meeting with Director of PHC 11:30 Observation of HHHS 17:00 Survey of market of furniture	
23	7 (Sun)	09:00 Meeting with GTC of PHC 11:30 Observation of Aden Health Institute 14:00 Translation & analysis of collected data	<Procurement & Cost Estimation Survey (Sana'a • 3 rd Country)> 10:30 Mr. Tsuchiya, Mr. Yokoyama left Aden (IY403) 12:30 Arrive at Sana'a 14:00 Report to JICA technical cooperation 15:30 Report to Embassy of Japan 18:00 Meeting with local consultant
24	8 (Mon)	09:00 Financial survey of Aden Health Office 10:30 Collection of cost data at Ministry of Construction Aden Office 11:30 Meeting with Asst. DG planning and Health Development 13:30 Meeting with DG of Aden Health Office	02:10 Mr. Yokoyama left Sana'a (LH653) → Arrive at Narita 5/9 09:00 Survey of construction market 21:30 Mr. Tsuchiya left Sana'a (SV681) 23:05 Arrive at Jeddah
25	9 (Tue)	09:00 Financial survey of Aden Health Office 10:10 Final meeting with Director of PHC 17:00 Survey of hardware, sanitary fixtures	08:30 Survey of steel fabricator 10:00 Survey of construction company 15:00 Survey of construction material
26	10 (Wed)	07:00 Left hotel 10:00 Survey of Taiz Sub Center 14:30 Left Taiz 16:30 Arrive at hotel	08:30 Survey of mechanical company 16:00 Left Jeddah (SV552) 19:30 Arrive at Dubai
27	11 (Thu)	06:00 Mr. Nishimura, Mr. Enomoto, Mr. Tojo, Mr. Takase left Aden (IY405) 06:45 Arrive at Sana'a	08:30 Survey of construction company 13:00 Survey of construction market
28	12 (Fri)	08:15 Mr. Enomoto, Mr. Tojo, Mr. Takase left Sana'a (IY506) 08:45 Arrive at Hodeidah	09:00 Observation of construction site in Dubai 13:00 Data filing / input
29	13 (Sat)	(Mr. Nishimura) 09:00 Supplementary survey at NTI 11:00 Data collection at MOPH/JICA (Mr. Enomoto, Mr. Tojo, Mr. Takase) 09:00 Survey of Hodeidah Sub Center	03:45 Left Dubai (LH633) 08:35 Arrive at Frankfurt 20:50 Left Frankfurt (JL408) → Arrive at Narita 5/14
30	14 (Sun)	(Mr. Nishimura) 09:00 Supplementary survey at MOPH/JICA (Mr. Enomoto, Mr. Tojo, Mr. Takase) 13:45 Left Hodeidah (IY44) 14:30 Arrive at Sana'a 17:00 Survey of local agent for computer	
31	15 (Mon)	08:30 Supplementary survey at MOPH 09:00 Central Health Laboratory CHL 11:00 Survey of Al-RaiseHC 11:55 Survey of Al- IraqiHC 15:00 Data filing / input	
32	16 (Tue)	08:45 Observation of GCRB 13:00 Report preparation 16:30 Survey of agent for mechanical equipment	
33	17 (Wed)	09:00 Final report to MOPH 10:00 Final report to MOPD 15:00 Final report to Embassy of Japan	
34	18 (Thu)	02:10 Left Sana'a (LH653) 09:45 Arrive at Frankfurt 20:50 Left Frankfurt (JL408)	
35	19 (Fri)	14:55 Arrive at Narita	

Appendix 2-2 SURVEY SCHEDULE FOR BASIC DESIGN STUDY
(August 12 ~ September 1, 2000 : 21days)

No.	Date (Day)	Activities
1	Aug. 12 (Sat)	13:00 Left Tokyo (JL-407, LH-715) Consultant (Mr. Nishimura, Mr. Enomoto, Mr. Tojo, Mr. Tsuchiya, Mr. Takase) 18:00 Arrive at Frankfurt
2	13 (Sun)	14:15 Left Frankfurt (LH-652) 23:35 Arrive at Sana'a
3	14 (Mon)	09:00 Embassy of Japan courtesy call 10:00 Team meeting for schedule 11:00 MOPH courtesy call (Mr. Garama), Explanation of Draft Report 12:30 MOPD courtesy call (Mr. Sharaf), Explanation of Draft Report
4	15 (Tue)	09:00 MOPH courtesy call (Director of Finance) Confirmation of Budget 10:30 Discussion on Draft Report 16:00 Preparation of Document
5	16 (Wed)	<Explanation of Draft Report (ADEN)> 11:30 Left Sana'a (IY-804) (Member of Consultant) 12:15 Arrive at Aden 13:00 Aden Health Office courtesy call (Director: Dr. Laswar), Explanation of Draft Report 16:00 Team meeting
6	17 (Thu)	23:35 Dr. Suchi (Team Leader) arrive at Sana'a (LH-652) 09:00 Observation of Construction Site 14:00 Data filing / input
7	18 (Fri)	19:00 Arrive at Sana'a (Mr. Nishimura, Mr. Tojo) 16:00 Team meeting (confirmation of survey item) 18:15 Mr. Nishimura, Mr. Tojo Left Aden (IY-651)
8	19 (Sat)	<Explanation of Draft Report (SANA'A)> 09:00 Embassy of Japan courtesy call 11:00 MOPH courtesy call (Mr. Garama) 12:00 MOPD courtesy call (Mr. Sharaf) 14:00 Data filing / input <Survey for Facility Planning-1 (ADEN)> 09:00 Explanation & Discussion of Draft Report at PHC Office (Mr. Enomoto, Mr. Tsuchiya, Mr. Takase) 15:00 Data filing / input
9	20 (Sun)	09:00 Observation of NTI 10:30 Meeting with MOPH (Dr. Shaheer) 11:00 Meeting with MOPH (Prof. Shaiban) 23:35 Arrive at Sana'a (LH-652) (Mr. Iwaki Mr. Shimoda, Mr. Myouen) 09:00 Confirmation about Application of Building Permit at MOC Aden Office 11:00 Meeting at PHC 14:00 Data filing / input
10	21 (Mon)	10:00 Left Sana'a (IY-812) (Dr. Suchi, Mr. Iwaki, Mr. Nishimura, Mr. Tojo, Mr. Shimoda, Mr. Myouen) 10:45 Arrive at Aden 09:00 Confirmation about Building Permit, Road connection at Municipality of Mansourah 14:00 Observation of Local Contractor <Meeting (ADEN)> 11:45 PHC courtesy call (Dr. Hadi) 16:00 Team meeting
11	22 (Tue)	09:00 Discussion on Draft Report & confirmation of reference laboratory at PHC 11:30 Aden Health Office courtesy call (Dr. Laswar) 12:00 Aden Governorate courtesy call (Governor: Mr. Ghanem) 17:30 Team meeting
12	23 (Wed)	09:00 Discussion on Equipment at PHC, Preparation of Draft Minutes 11:30 Report to PHC, Aden Health Office 16:15 Analysis of collected data <Survey for Facility Planning-2 (ADEN)> 09:00 Confirmation of Telephone incoming, Infrastructure 14:00 Survey of construction material
13	24 (Thu)	06:00 Left Aden (IY-821) (Dr. Suchi, Mr. Iwaki) 06:45 Arrive at Sana'a 09:00 Observation of construction site 16:00 Confirmation of proposed site, surrounding environment
14	25 (Fri)	06:00 Left Aden (IY-821) (Mr. Nishimura, Mr. Tojo) 06:45 Arrive at Sana'a Data filing / input

No.	Date (Day)	Activities	
15	26 (Sat)	<Discussion on Minutes (SANA'A)>	
		09:00 Discussion on Draft Minutes at MOPH	09:00 Confirmation of Water supply, Drainage, Electrical power
		11:00 Discussion on Draft Minutes at MOPD	11:00 Observation of MOC Aden Office concrete test lab.
16	27 (Sun)		14:00 Survey of Public Corporation for Construction and Housing Collection of supplementary data
		09:00 Discussion at MOPD	09:00 Observation of Aden Governorate General Hospital
		10:30 MOPH courtesy call to Minister, Signing of Minutes	
17	28 (Mon)	15:30 Report to Embassy of Japan	14:00 Correction of Basic Design Drawing
		02:10 Left Sana'a (LH-653) → Arrive at Narita (Aug.29) Dr. Suchi, Mr. Iwaki	09:00 Final Report to PHC
		09:00 Data filing (Mr. Nishimura) , Survey of Local Agent of Equipment (Mr. Tojo)	10:00 Final Report to Aden Health Office
18	29 (Tue)		20:15 Left Aden (IY-813)
		09:00 Survey of construction market at Sana'a (Mr. Enomoto, Mr. Tsuchiya, Mr. Takase, Mr. Shimoda, Mr. Myouen) , Survey of Local Agent of Equipment (Mr. Tojo)	21:00 Arrive at Sana'a
		Data filing (Mr. Nishimura)	
19	30 (Wed)	09:00 Report to Embassy of Japan	
		10:00 Report to MOPD	
		11:00 Report to MOPH	
20	31 (Thu)	02:10 Left Sana'a (LH-653), (Mr. Nishimura, Mr. Enomoto, Mr. Tojo, Mr. Tsuchiya, Mr. Takase, Mr. Shimoda, Mr. Myouen)	
		09:45 Arrive at Frankfurt	
		20:50 Left Frankfurt (JL-408)	
21	Sep 1 (Fri)	14:55 Arrive at Narita	

Appendix 2-3 SURVEY SCHEDULE FOR IMPLEMENTATION REVIEW STUDY
(March 01 to March 09, 2002: 9 days)

	Date	Official Member		Consultant Member		
		Team Leader (N.Shimomura)	Coordinator (O.Tanaka)	Project Manager (T.Nishimura)	Architecture Planner (H.Tsuchiya)	Equipment/Cost Planner (S.Tojo)
1	01, Mar (Fri)			10:55 dpt. Narita by CX501 15:10 arr. Hong Kong 16:30 dpt. Hong Kong by CX733		
2	02 (Sat)	19:15 dpt. Cairo by EK402 00:35 arr Dubai 02:35 dpt Dubai by EK451 04:45 arr Sanaa 09:30 MOH Courtesy Call 11:00 MOPD Courtesy Call 12:00 visit TB Center 15:30 EOJ Courtesy Call		00:05 arr. Dubai (join with Official Group) 02:35 dpt. Dubai by EK451 04:45 arr. Sanaa 09:30 ditto as left 16:00 Cost Investigation (Stay at Sanaa)		
3	03 (Sun)	09:00 related survey	09:00 Data collect in MOH,MOPD 12:30 EOJ schedule adjust 14:00 Survey at Market		09:00 Cost Investigation (Stay at Sanaa)	
4	04 (Mon)	09:00 Related Survey*		06:30 Lev Sanaa by IY402 07:30 Arr Aden 09:00 Courtegy to PHC Office 10:00 Courtegy Aden Health Office 11:00 Courtegy Aden Governor 16:00 Cost Investigations (Stay at Aden)		
5	05 (Tue)	00:01 dpt. Sanaa by IY740 06:50 arr. Frankfurt 20:35 dept. Frank by NH210		09:00 Discussion at PHC Office Equipment and Infra-works Building Permit Yemeni Side Works, etc 15:00 dpt Aden by IY407 15:45 arr. Sanaa 18:00 Cost Investigation (stay at Sanna)		
6	06(Wed)	15:45 arr. Narita, TOKYO		09:00 MOH discussion and M/M Sign 10:00 MOPD report and discussion 14:40 Report to Embassy of Japan (stay at Sanaa)		
7	07 (Thu)			09:00 Supplementary Investigation and Cost Analysis (stay at Sanaa)		
8	08 (Fri)			08:30 dpt. Sanaa by IY821 12:30 arr. Dubai		
9	09 (Sat)			01:15 dpt. Dubai by CX732 12:15 arr. Hong Kong 15:20 dpt. Hong Kong by CX500 20:05 arr. Narita, TOKYO		

* Official member cancelled to visit Aden because flight IY402 delayed twelve (12) hours to depart from Sanaa to Aden.

3. List of Party Concerned in the Recipient Country

Appendix 3-1 List of Party concerned in the Recipient Country (Basic Design Study & Explanation of Draft Report)

1. Ministry of Planning & Development: MOPD

Mr. Hisham Sharaf Abdallah	Deputy Minister
Ms. Asma Al-Basha,	Assistant Deputy Minister
Mr. Khalid Afif	DG, Asian and Australian Countries
Mr. Ahmed Hussein Jawi	Director, Asian and Australian Countries

2. Ministry of Public Health: MOPH

Dr. Abdullah Abdul-Wali Nasher	Minister
Dr. Faisal M. Al-Kohaly	Act. Deputy Minister, Planning & Development
Dr. Naif Naser	Director General, Planning & Development
Dr. Mohamed Aid Sahail	Director General, Primary Health Care
Dr. Nagiba Abdul-Gani /Ms.	Director General, MCH
Dr. Amin Noman S.Al-Absi	Director, National TB Control Program
Dr. Shaher Ali Moh'd Saeed	Assistant Director, NTP
Mr. Fawzy Barahim	Lab. Supervisor, NTP
Mr. Ahemad A. Al-Zubair	Financial Administrative, NTP
Mr. Al-Harazi Hussain H	Architect
Mr. Ali Taher Abudulmogni	Director General, Finance Section

3. National Tuberculosis Institute: NTI

Dr. Abdul Malik Al-Kibssi	Director
Dr. Mohamed M. Al-Khawlany	Deputy Director
Dr. Issam Al Kherbi	Deputy Director
Mr. Adnan Al-Akhali	Chief of Laboratory
Mr.Abdul-Khaleq Abu Taleb	Chief of Pharmacy
Mr. Mansour Ali	Chief of Maintenance
Mr. Fateh Ali Ahamed	Account, NTI and NTP
Dr. Mahmud Yeha Mahmoud	Sanaa City TB Coordinator: GTC

4. Central Public Health Laboratory: MOPH

Dr. Mohamed Salem Bin Break	Director General
Dr. Abdul Wahhab Saif	Assistant Director General

5. Al-Raise Health Center

Mr. Abdulla-Al-Dawlah	Director
Dr. Al-Anami	Deputy Director

6. Al-Iraqi Health Center

Dr. Abdul Malik Abood	Director
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7. **Aden Governorate**
Mr. Taha Ahmed Ghanem Governor
Mr. Abdulla Ibrahim Moh'd Director General
8. **Aden Health Office: MOPH**
Dr. Al-Khader Nasser Laswar Director General
Dr. Enas Taher Mohammed Director, Human Resources Development
Mr. Ali Saeed Nagi Asst. DG, Planning and Health Development
Mr. Muhammad Rodein Chief Accountant, Accounting Section
Mr. Abdulla Seed Statistical Department
9. **Aden PHC Office**
Dr. Mohamed Abdulla HADI Director
Dr. Osama Abdul R. Badeeb Aden TB Coordinator: GTC
Dr. Abdul Aziz Adam Assistant GTC
Mr. Fuad Haddad Chief of Laboratory Supervisor
Mr. Nageeb Nasser Medical Assistant
Mr. Nasser Awad Medical Assistant
Mr. Labib Tuajeg Lab. Technician
Mr. Fadel Rashad Lab. Technician
Mr. Sadek Saeed Lab. Staff
Mr. Galeb Ali Lab. Staff
Mr. Naser Mohamed Lab. Staff
Ms. Lawahed Mohamed Lab. Staff
10. **Kormaksar Health Unit**
Ms. Naila Ahmed Chief of Laboratory
11. **Jumhuriah (Al-Gamhoria) Hospital**
Mr. Jamil Abdulrazak Jan Officer in Charge, Male TB Ward
Mr. Mohamed Abdula Hassan Director of Maintenance, MOH Aden Branch
Mr. Ahmed Saleh Ali Manager, Aden Rescuer Center
12. **Medan Polyclinic**
Dr. Shukri Ali Director
Dr. Mohamed Mahroos DTC, Medan District
Mr. Hassan Abdul Rassol Chief Specialist
13. **Mualla Polyclinic**
Dr. Mohamed Abdul Halim Director
Dr. Kamel Ahmed Saeed DTC, Mualla District
Mr. Khaled Abdul Baki Chief of Laboratory

- 14. Tawahi Health Unit**
Dr. Nasser Director
- 15. Mansoura Polyclinic**
Dr. Abdulrab Ahmed Muflihi Assistant Director General
- 16. Boreiqa Polyclinic**
Dr. Ahamed Awad Abood Director
- 17. Sheikh Othman Polyclinic**
Dr. Abdul Galil K Director
Mr. Aid Saeed Kassim Lab. Staff
- 18. Ministry of Construction & Housing & Civil Planning, Aden Office**
Mr. Saami Abdul Karim Director of Engineering Department
Mr. Mohamed Akil Said Structure Engineer
Mr. Muhsin Ali Electrical Engineer
Ms. Samia Ahmed Musaid Quantity Surveyor
Mr. Talal Ali Binali Civil Engineer
- 19. National Water and Sanitation Corp. Aden: NWSA**
Mr. Hassan Saeed Kassim Deputy General Manager, Water Division
Mr. Ahmed N. Aboteeba Deputy General Manager, Sewage Division
- 20. Public Electricity Corporation, Aden**
Mr. Aref Abdul Hameed Distribution Manager
- 21. Public Telecommunication Corporation, Aden**
Ms. Samira Abdulla Mohamed Superintendent Mu'lla Area
- 22. Telecom Yemen, Al-Mansourah**
Mr. Nasser Daaii Director of Custom Service
- 23. Dr. Amin Nashil Higher Institute for Health Sciences: HIHS**
Dr. Abdul Jabber H. Mohammed Dean
- 24. Aden Health Institute: HMI**
Mr. Muhammad Saleh Principal
- 25. Taiz TB Center**
Dr. Yassin Radman T. Al-Athwary Director, GTC Taiz

26. Hodaidah TB Center

Dr. Mohamed Saif Al-Kobate	General Manager
Dr. Fahad Al-Janad	Deputy Manager
Dr. Abdul Wahed Othman	Medical Doctor
Mr. Abdulhady Al-Wakdy	Lab. Technician
Mr. Mohammed Maqubel	Lab. Technician

27. General Corporation for Roads and Bridges: GCRB

Mr. Mohamed Al-Ghazaly	Chief Engineer
Mr. Abdullah Hubaish	Deputy D/G of Workshop
Mr. Mokbel Ameer	Inspector of Workshop
Mr. Abobakr Munasir Humam	Director General for Mechanic & Store
Mr. Abdul Karim Al-Shamafi	Mechanical Engineer
Mr. Amin Al-Ayami	Engineer

28. WHO Yemen Representative Office

Dr. Hashim A. Elzein Elmousaad	Representative
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29. UNHCR/UNV, Aden Refugee Camp

Ms. Yayoi Suzuki	UN Volunteer
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Appendix 3-2 List of Party concerned in the Recipient Country (Implementation Review Study)

1. Ministry of Planning & Development: MOPD

Mr. Hisham Sharaf Abdallah	Deputy Minister
Mr. Omar Abdal Aziz	Director General, Asian and Australian Countries
Mr. Khaled Afif	Director, Culture Cooperation

2. Ministry of Public Health: MOPH

Dr. Mohamed Gharama Al-Race	Deputy Minister-Health, Planning and Development
Dr. Amin Noman S.Al-Absi	Director, National TB Control Program

3. National Tuberculosis Institute: NTI

Dr. Abdul Malik Al-Kibssi	Director
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4. Aden Governorate

Mr. Taha Ahmed Ghanem	Governor
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5. Aden Health Office / MOPH

Dr. Al-khader Nasser Laswar	Director General
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6. Aden PHC Office

Dr./Ms. Iman Al Nakeeb	Director
Dr. Osama Abdul R. Badeeb	Aden TB Coordinator :GTC
Dr. Abdul Aziz Adam	Assistant GTC
Mr. Nasser Awad	Medical Assistant

7. Al-Gamhoria / Jumhuriyah Hospital

Mr. Mohamed Abdula Hassan	Director, of Maintenance, MOH Aden Branch
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4. Minutes of Discussions (Basic Design Study)

MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY
ON THE PROJECT FOR THE EXPANSION OF TUBERCULOSIS CONTROL IN THE SOUTHERN
AND EASTERN GOVERNORATES OF THE REPUBLIC OF YEMEN

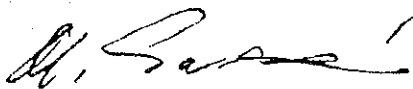
In response to a request from the Government of the Republic of Yemen (hereinafter referred to as "Yemen"), the Government of Japan decided to conduct a Basic Design Study on the Project for the Expansion of Tuberculosis Control in the Southern and Eastern Governorates of the Republic of Yemen (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Yemen the Basic Design Study Team (hereinafter referred to as "the Team") headed by Dr. Masashi Suchi, Chief, Project Development and Management Division, Department of International Cooperation, The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association, and is scheduled to stay in the country from April 16 to May 18, 2000.

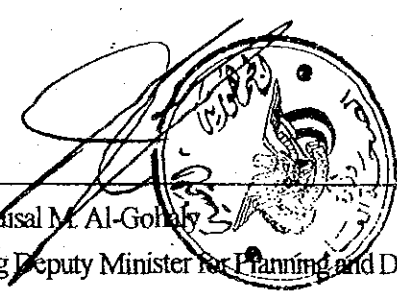
The Team held discussions with the officials concerned in the Government of Yemen and conducted a field survey at the study area.

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.

Sana'a, May 3, 2000



Dr. Masashi Suchi
Leader
Basic Design Study Team
Japan International Cooperation Agency



Mr. Faisal M. Al-Ghazaly
Acting Deputy Minister for Planning and Development
Ministry of Public Health
The Republic of Yemen



3.5.2000

Mr. Hisham Sharaf Abdalla
Deputy Minister for International Cooperation
Ministry of Planning and Development
The Republic of Yemen

ATTACHMENT

1. Objective of the Project

The objective of the Project is to expand and improve the National Tuberculosis Control Program in the Southern and Eastern Governorates in Yemen through the establishment of the Aden Tuberculosis Control Center and providing medical equipment to related health facilities in Aden.

2. Project Site

2-1 The construction site of the Aden Tuberculosis Control Center is Al Mansoura, Aden Governorate, the Republic of Yemen. The site map is attached in Annex 1.

2-2 The names of related health facilities are described in Annex 1.

3. Responsible and Implementing Agency

3-1 The Responsible Agency is Ministry of Public Health in Yemen.

3-2 The Implementing Agency is Health Office in Aden Governorate in coordination with the National Tuberculosis Control Program in Yemen.

4. Items requested by the Government of Yemen

After discussions with the Team, the following items were finally requested by the Yemeni side. JICA will assess the appropriateness of the request and will recommend it to the Government of Japan for approval.

4-1 Construction of Building and Procurement of Equipment for Aden Tuberculosis Control Center
Details of items are listed in Annex 2 and 3.

4-2 Procurement of Equipment for Related Health Facilities
Details of items are listed in Annex 4.

5. Japan's Grant Aid Scheme

5-1 The Yemeni side understands the Japan's Grant Aid Scheme explained by the Team, as described in Annex 5.

5-2 The Yemeni side will take the necessary measures, as described in Annex 6, for smooth implementation of the Project, as a condition for the Japan's Grant Aid to be implemented.

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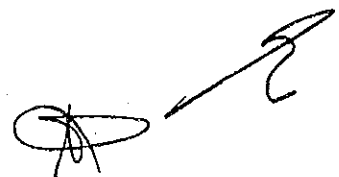
6. Schedule of the Study

- 6-1 The consultants will proceed to further studies in Yemen until May 18, 2000.
- 6-2 JICA will prepare the draft report in English and dispatch a mission to Yemen in order to explain its contents in August, 2000.
- 6-3 In case that the contents of the report are accepted in principle by the Government of Yemen, JICA will complete the final report and send it to the Government of Yemen around November, 2000.

7. Other relevant issues

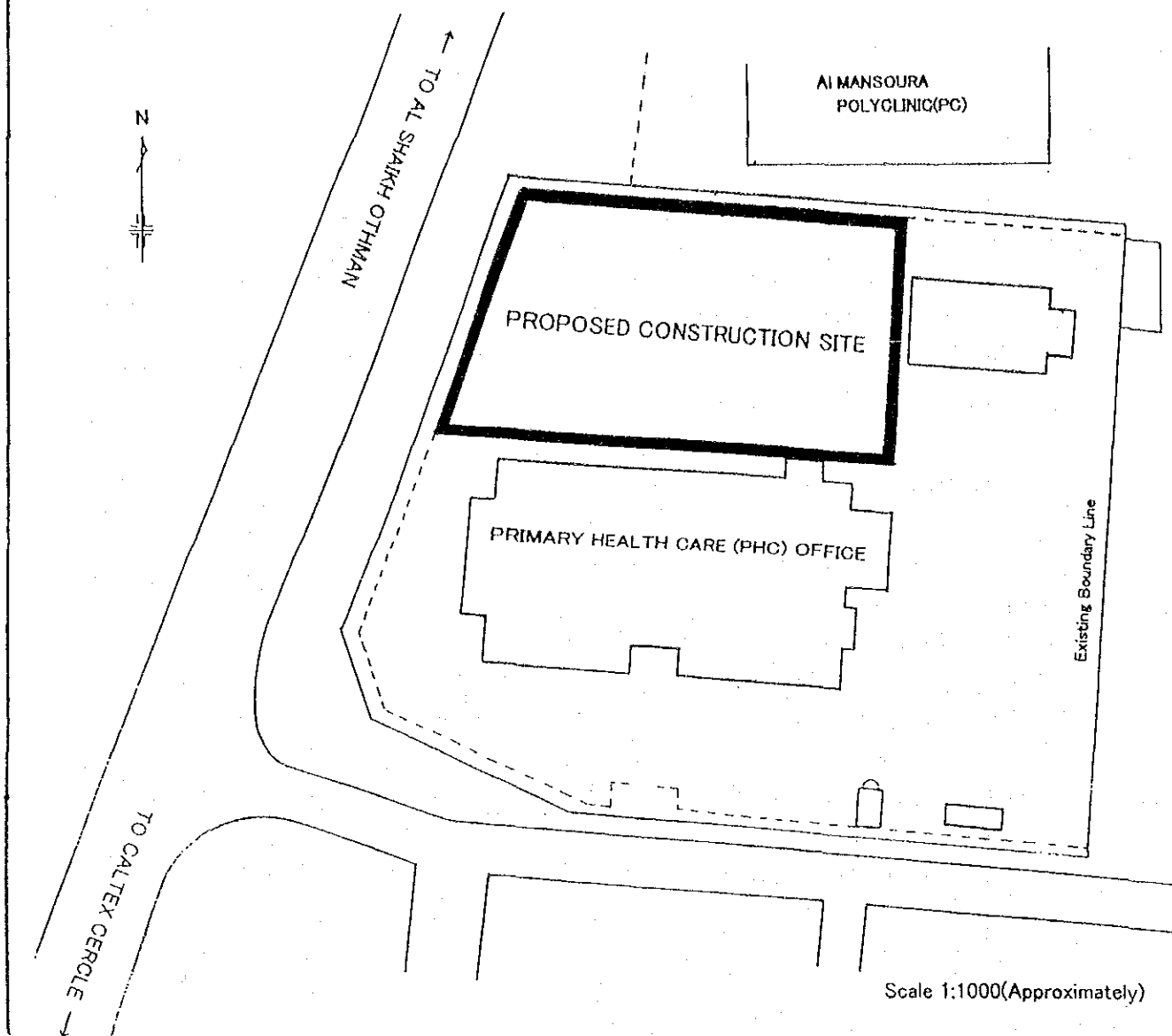
- 7-1 The Government of Yemen and the Team confirmed that functions of the Aden Tuberculosis Control Center will be as follows;
 - (a) Training of health personnel for TB control,
 - (b) Supervision of TB control activities in related health facilities,
 - (c) Reference for quality assurance of sputum smear examination and X-ray examination,
 - (d) Operations research.
- 7-2 The Government of Yemen and the Team agreed on the establishment of a Task Force for execution of the Project.
- 7-3 The Government of Yemen shall allocate, in its fiscal yearly budget, the financing and personnel for maximum operation and maintenance of the facility and equipment.
- 7-4 The Ministry of Public Health, the Government of Yemen shall be responsible for the execution of the Project on the basis of all documents and designs agreed by both Governments.
- 7-5 The Government of Yemen shall complete the following responsibilities before the commencement of the construction;
 - (a) to clear the proposed construction site,
 - (b) to shift existing aerial Electricity and Telephone lines,
 - (c) to make new gate facing on main road,
 - (d) to issue necessary Building Permits.
- 7-6 The Government of Yemen requested the Team to include general furniture in the undertakings by the Government of Japan, and the Team agreed to explain this matter to the Government of Japan.
- 7-7 The Government of Yemen will submit answers to the questionnaire handed by the Team before May 13, 2000.

A.S.

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I. Proposed Construction Site

ANNEX-1



II. Name of Related Health Facilities

1. Medan(Crater) Polyclinic
2. Mualla Polyclinic
3. Mansoura Polyclinic
4. Sheikh Othman Polyclinic
5. Boreiqa Polyclinic
6. Tawahi Health Unit
7. Khormaksar Health Unit
8. Jumhuriyah Hospital

Requested Rooms for ADEN TB CONTROL CENTER

Departments	Rooms
1) ADMINISTRATION DEPT.	1 Director's Office 2 Administration Room 3 Meeting Room 4 Storage 5 Worker's Room 6 Guard Room 7 Maintenance Room 8 Machine Room
2) EXAMINATION DEPT.	1 Laboratory 2 Preparation Room 3 X-ray Room 4 Dark Room 5 Control Room 6 Labo staff Room 7 X-ray staff Room 8 Waiting Lobby
3) SUPERVISING DEPT.	1 Supervisor's Room 2 Statistics Room
4) TRAINING DEPT.	1 Lecture Room 2 Seminar Room 3 Training Laboratory 4 Training Material Room 5 Library 6 Trainer's Room
5) DORMITORY	1 Reception 2 Single Bed Room (3 rooms) 3 Twin Bed Room (7 rooms) 4 Multi-purpose Room 5 Dining Room 6 Laundry
6) COMMON SPACE	1 Entrance Hall 2 Corridor 3 Restroom 4 Kitchenette

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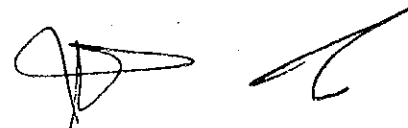

Requested Equipment for Aden TB Control Center

Room	Equipment	Qty	Priority
1) ADMINISTRATION DEPT.			
Director's Office	Desktop Computer	2	A
	Printer	2	A
	Typewriter	1	A
	Facsimile	1	B
Administrative Room	Desktop Computer	1	A
	Printer	1	A
Meeting Room	Overhead Projector	1	A
	Screen	1	A
Storage	Medical Refrigerator	1	A
Maintenance Room	Floor Cleaner	2	A
	Maintenance Tools	1	A
2) EXAMINATION DEPT.			
Laboratory	Biological Microscope	4	A
	Safety Cabinet (Clean Bench)	1	A
	Bunsen Burner	3	A
	Autoclave	1	A
	Reagent Cabinet	1	A
	Instrument Cabinet	1	B
	Medical Refrigerator	1	A
	Incubator	1	A
	Centrifuge	1	A
Preparation Room	Hot-Air Oven	1	A
	Inspissator(Coagulator)	1	A
	Pipette Washer(ultra-sound)	1	A
	Water Distiller	1	A
	Analytical Balance	2	A
	Water Bath	1	A
	Glassware	1	A
	Reagent Cabinet	1	A
	Instrument Cabinet	1	B
	Glassware Dryer	1	A
	Refrigerator	1	A

Room	Equipment	Qty	Priority
X-ray Room	X-ray unit with accessory	1	A
Dark Room	Automatic Film Developer(Roll)	1	A
	Manual Film Developer	1	A
	Dark Room Equipment	1	A
	Instrument Cabinet	1	B
	Refrigerator	1	A
	Pass Box	1	A
Control Room	Film Illuminator	1	A
	RP Film Illuminator	1	A
3) SUPERVISING DEPT.			
Supervisor's Office	Desktop Computer	1	A
	Printer	1	A
Statistics Room	Desktop Computer	1	A
	Printer	1	A
4) TRAINING DEPT.			
Lecture Room	Object Projector	1	A
	Screen	1	A
	Sound System (movable)	1	A
	TV with Console Box	1	A
	Video Recorder/Player	1	A
Training Laboratory	Biological Microscope	8	A
	Microscope with Teaching Head	1	A
	Safety Cabinet	1	A
	Bunsen Burner	4	A
	Reagent Cabinet	1	A
	Instrument Cabinet	1	B
	Autoclave	1	A
Training Material Room	Copy Machine with sorter	1	A
	Film Illuminator (movable)	1	A
	Video Camera	1	B
Others	Bus	1	B
	Mini Bus	1	B
	4WD Vehicle	2	A

page 2/2

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Requested Equipment for Related Health Facilities in Aden

Item No.	Name of Equipment	Total Qty	Name of Health Facilities															
			Md		MI		Ma		SO		Br		Tw		Kh		JH	
			Qty	Priority	Qty	Priority	Qty	Priority	Qty	Priority	Qty	Priority	Qty	Priority	Qty	Priority	Qty	Priority
1	Microscope	2													1	B	1	B
2	Motorbike	4	1	A	1	A			1	A	1	A						
3	TeleVideo	5	1	B	1	B	1	B	1	B	1	B						
4	Suction Pump	2															2	A
5	Resuscitator (Ventilator)	4															4	A
6	Refrigerator	8	1	B	1	B	1	B	1	B	1	B	1	B			2	B
7	Air conditioner	7	1	B	1	B	1	B	1	B	1	B	1	B	1	B		

Related Health Facilities:

Md : Medan(Crater)PC

MI : Mualla PC

Ma : Mansoura PC

SO : Sheikh Othman PC

Br : Boreiga PC

Tw : Tawahi HU

Kh : Khormaksar HU

JH : Jumhuriyah Hospital

Japan's Grant Aid Scheme

1. Grant Aid Procedures

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

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

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

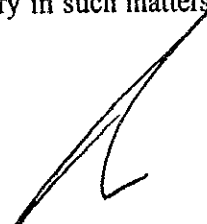
Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

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

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

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2. Basic Design Study

1) Contents of the Study

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

- a) Confirmation of the background, objectives, and benefits of the requested Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- d) Preparation of a basic design of the Project
- e) Estimation of the costs of the Project

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid Project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations in the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firms(s) based on proposals submitted by interested firms. The firm(s) selected carry

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(ies) out the Basic Design Study and write(s) a report, based upon terms of reference set by JICA. The consulting firm(s) used for the Study which is (are) recommended by JICA to the recipient country to also work on the Project(s) implementation after the Exchange of Notes, in order to maintain technical consistency.

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 the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under the principals in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

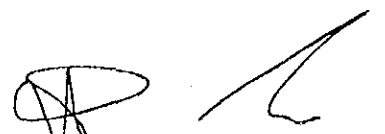
Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant Aid" means the one fiscal year in which the Cabinet approves the Project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When both Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of the third country.

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However the prime contractors, namely, consulting contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

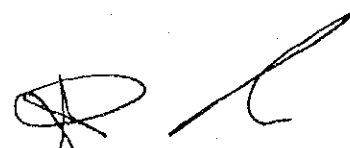
The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

6) Undertakings required of the Government of recipient country

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

- a) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- b) To provide facilities of the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- c) To secure buildings prior to the procurement in case the installation of the equipment.
- d) To ensure prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- e) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- f) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
- g) To bear an advising commission of an authorization to pay (A/P) and payment commissions to the bank, with which the Government of the recipient country opens an account for the Project.

21. 5.



7) "Proper Use"

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

8) "Re-export"

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

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

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Major Undertakings to be taken by Each Government

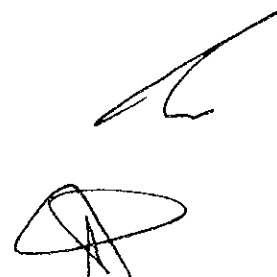
NO	Items	To be covered by Grant Aid	To be covered by Yemeni side
1	To secure land		●
2	To clear, level and reclaim the site when needed		●
3	To construct gates and fences in and around the site		●
4	To construct the parking lot	●	
5	To construct roads		
	1) Within the site	●	
	2) Outside the site		●
6	To construct the building	●	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1)Electricity		
	a. The distributing line to the site		●
	b. The drop wiring and internal wiring within the site	●	
	c. The main circuit breaker and transformer	●	
	2)Water Supply		
	a. The city water distribution main to the site		●
	b. The supply system within the site (receiving and/or elevated tanks)	●	
	3)Drainage		
	a. The city drainage main (for storm, sewer and others) to the site		●
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	●	
	4)Gas Supply		
	a. The city gas main to the site		●
	b. The gas supply system within the site	●	
	5)Telephone System		
	a. The telephone trunk line to the main distribution frame / panel (MDF) of the building		●
	b. The MDF and the extension after the frame / panel	●	
	6)Furniture and Equipment		
	a. General furniture		●
	b. Project equipment	●	
8	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
9	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and customs clearance of the products at the port of disembarkation		●
	3) Internal transportation from the port of disembarkation to the project site	●	

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10	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 the recipient country and stay therein for the performance of their work		•
11	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
12	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
13	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•

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5. Minutes of Discussions (Explanation on Draft Report)

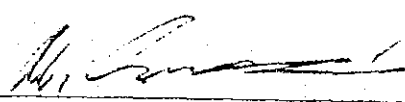
MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY
ON THE PROJECT FOR THE EXPANSION OF TUBERCULOSIS CONTROL IN THE
SOUTHERN AND EASTERN GOVERNORATES OF THE REPUBLIC OF YEMEN
(EXPLANATION OF DRAFT REPORT)

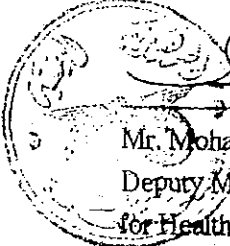
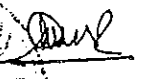
In April, 2000 the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for the Expansion of Tuberculosis Control in the Southern and Eastern Governorates of the Republic of Yemen (hereinafter referred to as "the Project") to the Republic of Yemen (hereinafter referred to as "Yemen"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the Study.

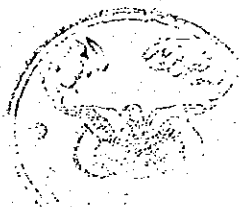

In order to explain and to consult the Yemeni side on the components of the draft report, JICA sent to Yemen the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Dr. Masashi Suchi, Chief, Project Development and Management Division, Department of International Cooperation, The Research Institute of Tuberculosis, Japan Anti-Tuberculosis Association, from August 14 to August 30, 2000.

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

Sana'a, August 27, 2000


Dr. Masashi Suchi
Leader
Draft Report Explanation Team
Japan International Cooperation Agency


 27/8/00
Mr. Mohamed Gharama Al-Raei
Deputy Minister
for Health Planning and Development
Ministry of Public Health
The Republic of Yemen



Ms. Asma Al-Basha
Assistant Deputy Minister for International Cooperation
Ministry of Planning and Development
The Republic of Yemen

ATTACHMENT

1. Components of the Draft Report

The Government of Yemen agreed and accepted in principle the components of the draft report of the Project dated on August 2000, which was delivered to the Ministry of Public Health and the Ministry of Planning and Development and explained by the Team. The finally agreed lists of facilities and equipment are in ANNEX-1 and ANNEX-2.

2. Japan's Grant Aid Scheme

The Yemeni side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Yemen as explained by the Team and described in ANNEX-5 and ANNEX-6 of the Minutes of Discussions signed by both parties on May 3, 2000.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed item and send it to the Government of Yemen by December, 2000.

4. Other relevant issues

4-1 The Government of Yemen and the Team confirmed that the Aden Tuberculosis Control Center (hereinafter referred to as "ATCC") would have the following functions;

- (a) Training of health personnel for TB control,
- (b) Supervision of TB control activities in related health facilities,
- (c) Reference for quality assurance of sputum smear examinations and X-ray examinations, and
- (d) Operations research.

4-2 The Ministry of Public Health (the Health Planning and Development Sector) shall take the full responsibility of making sure that all the responsibilities of the Government of Yemen in the Project implementation will be fulfilled as scheduled, including securing necessary budgets for the Project.

4-3 A Steering Committee shall be established by the chairmanship of the Planning and Development Sector in the Ministry of Public Health and with representatives of the Ministry of Planning and Development and the Ministry of Finance.

4-4 The Aden Governorate shall take the full responsibility of actually conducting physical works to be born by the Yemeni side, such as connection works of utility lines to ATCC, and establish a Task Force consisting of the Governorate Tuberculosis Coordinator and representatives of the Primary Health Care Department and the Maintenance Department of the Aden Health Office in order to implement such physical works for the Project.

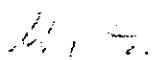
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4-5 Before and during the construction work of ATCC, the Government of Yemen shall make necessary budget allocations to the works specified in the APPENDIX-5 "Scope of Works and Cost" of the draft report and complete the works according to "Time schedule for Yemeni Side Works" in the same appendix. The Government of Yemen understands that completing the required works on schedule is essential for smooth implementation of the Project.

4-6 After the handing-over of ATCC, the Government of Yemen shall allocate sufficient budget for the operation of ATCC estimated in the Section 2-2 "Operation and Maintenance Plan" of the draft report and assign necessary personnel with required capabilities to ATCC as explained in the draft report.

4-7 The Government of Yemen strongly requested air-conditioners for rooms in the dormitory. To respond to the request, the Team explained that it would take the request back to Japan and make a further analysis of its necessity although the Team could not guarantee the inclusion of the requested air-conditioners in the Project.



Requested Rooms for Aden TB Control Center

Departments	Rooms
1) ADMINISTRATION DEPT.	1. Director's Office 2. Administration Room 3. Meeting Room 4. Storage 5. Maintenance Room 6. Worker's Room 7. Reception 8. Guard Room
2) EXAMINATION DEPT.	1. Reference Laboratory 2. Preparation Room 3. Sterilization Room 4. Ante Room 5. X-ray Room 6. Dark Room 7. Control Room 8. X-ray Technician's Room
3) SUPERVISING DEPT.	1. Supervisor's Room 2. Statistics Room 3. Laboratory Staff Room
4) TRAINING DEPT.	1. Training Laboratory 2. Training Material Room 3. Lecture Room 4. Seminar Room 5. Library 6. Trainer's Room
5) DORMITORY	1. Trainee's Rooms 2. Multi-purpose Room 3. Kitchen / Dining Room 4. Laundry
6) COMMON SPACE	1. Entrance Hall 2. Corridor, Stairs 3. WC 4. Shower Room 5. Pantry 6. Machine Room

Requested Equipment for Aden TB Control Center

Room	Equipment	Qty
1) Administration Dept.		
Director's Office	Desk and Chair, Tables and Chairs	1
Administration Room	Desktop Computer	1
	Printer	1
	Desks and Chairs, Cabinets, Lockers,	1
Meeting Room	Overhead Projector	1
	Screen	1
	Tables and Chairs, White Board	1
Medical Storage	Medical Refrigerator	1
	Desks and Chairs, Shelves, Cabinets	1
Maintenance Room	Maintenance Tools	1
	Work Table and Chairs, Shelves, Cabinet, Locker	1
Worker's Room	Floor Cleaner	1
	Floor Polisher	1
	Tables and Chairs, Shelves, Locker	1
Guard Room	Bed	1
2) Examination Dept.		
Reference Laboratory	Biological Microscope	4
	Safety Cabinet	1
	Bunsen Burner	1
	Autoclave	1
	Reagent Cabinet	1
	Medical Refrigerator	1
	Freezer	1
	Incubator	1
	Centrifuge	1
	Water Distiller	1
	Laboratory Tables and Chairs, Instrument Cabinet	1
Preparation Room	Coagulator	1
	Analytical Balance	2
	Water Bath	1
	Glassware	1
	Reagent Cabinet	1
	Refrigerator	1
	Laboratory Table and Chair, Work Table	1
Sterilization Room	Hot-Air Oven	1
	Pipette Washer	1
	Glassware Dryer	1
	Laboratory Table and Chair, Work Table, Instrument Cabinet	1
X-ray Room	X-ray unit with accessory	1

1/2

Rooms	Equipment	Qty
Dark Room	Automatic Film Developer	1
	Dark Room Equipment	1
	Pass Box	1
Control Room	Chair	1
X-ray Technician's Room	Film Illuminator	1
	RP Film Illuminator	1
	Desks and Chairs, Cabinet, Locker	1
3) Supervising Dept.		
Supervisor's Office	Desktop Computer	1
	Printer	1
	Desks and Chairs, Cabinet, Lockers	1
Statistics Room	Desktop Computer	1
	Printer	1
	Tables and Chairs	1
Laboratory Staff Room	Desks and Chairs	1
4) Training Dept.		
Training Laboratory	Biological Microscope	8
	Microscope with Teaching Head	1
	Safety Cabinet	1
	Bunsen Burner	2
	Reagent Cabinet	1
	Autoclave	1
	Laboratory Tables and Chairs, Instrument Cabinet	1
Training Material Room	Copy Machine with sorter	1
	Film Illuminator (movable)	1
	Cabinets	1
Lecture Room	Objective Projector	1
	Screen	1
	Sound System (movable)	1
	TV with Console Box	1
	Video Recorder / Player	1
	Tables and Chairs, Cabinets, White Board	1
Seminar Room	Tables and Chairs, White Board	1
Library	Tables and Chairs, Book Shelves	1
Trainer's Room	Desks and Chairs, Tables and Chairs, Locker, Cabinets	1
5) Dormitory		
Trainee's Rooms	Beds, Tables and Chairs, Lockers	1
Multi-purpose Room	Tables and Chairs	1
Kitchen / Dining Room	Tables and Chairs, Cupboard	1
6) Others		
	4WD Vehicle	1

2/2

6. Minutes of Discussions (Implementation Review Study)

Appendix 6 Minute of Discussion (Implementation Review Study)

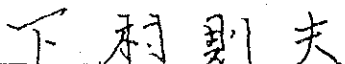
MINUTES OF DISCUSSIONS
ON THE IMPLEMENTATION REVIEW STUDY
ON THE PROJECT FOR THE EXPANSION OF TUBERCULOSIS CONTROL
IN THE SOUTHERN GOVERNORATES OF THE REPUBLIC OF YEMEN

In response to a request from the Government of the Republic of Yemen (hereinafter referred to as "Yemen"), the Government of Japan has conducted a Basic Design Study on the Project for the Expansion of Tuberculosis Control in the Southern Yemen (hereinafter referred to as "the Project") in May, 2000, and has finalized the Basic Design Study Report on the Project (hereinafter referred to as "the Report") in November, 2000.

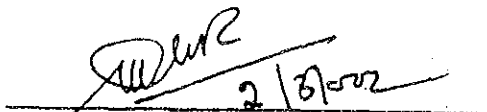
In order to reexamine the components of the Report with Yemen, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched an Implementation Review Study Team, which is headed by Mr. Norio Shimomura, Deputy Managing Director of Grant Aid Management Department, JICA, from March 2nd to 4th, 2002.

As a result of discussions and field survey, both parties confirmed the main items described on the attached sheet.

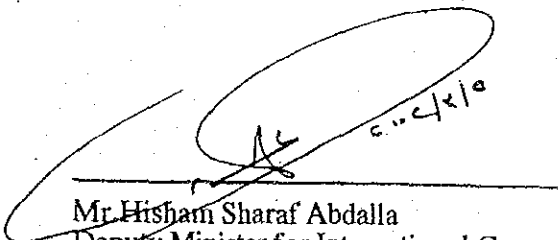
Sana'a, March 4th, 2002



Mr. Norio Shimomura
Leader
Implementation Review Study Team,
Japan International Cooperation Agency



Dr. Mohamed Gharama Al-Race
Deputy Minister,
Ministry of Public Health
The Republic of Yemen



Mr. Hisham Sharaf Abdalla
Deputy Minister for International Cooperation
Ministry of Planning and Development
The Republic of Yemen

ATTACHMENT

1. Components of the Report

Both parties have confirmed that there are no major changes in the Report.

2. Japan's Grant Aid scheme

The Yemeni side confirmed the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Yemen as in the Report.

3. Schedule of the Study

The consultants will conduct further *surveys and discussions in Yemen until March 8th, 2002.*

4. Other relevant issues

In addition to the items to be done by the Yemeni side written in Chapter 3 of the Report, the Yemeni side ensures to spare the necessary supply of electricity for the Project.

7. Cost Estimation Borne by the Recipient Country

Appendix-7 Cost Estimation Borne by the Recipient Country

Japanese Side Work	Yemeni Side Work	Cost Estimation
(1) External works	Approx.	2,820,000 YR
a) Approach road pavement b) Car parking c) Concrete pavement	a) Site clearance b) Shift of aerial power line b) Entrance gate & Fence c) Access road pavement d) Planting, etc.	a) 60,000 YR b) 120,000 YR c) 200,000 YR d) 2,140,000 YR e) 300,000 YR
(2) Building works		
a) ATCC Main Building b) Service Building	a) Shift/Repair of existing TB office and Laboratory.	
(3) Electrical works	Approx.	2,088,000 YR
a) Power trunk facilities b) Lighting and outlets c) Emergency generator d) Telephone system e) Fire alarm system	a) Electricity Main connection b) Telephone line connection	a) 2,000,000 YR b) 88,000 YR
(4) Water Supply & Drainage	Approx.	34,000 YR
a) Water supply system b) Sewage system c) Fire-extinguisher	a) Water supply connection b) Sewage pipe connection	a) 24,000 YR b) 10,000 YR
(5) General Furniture	Approx.	700,000 YR
a) Training furniture b) Dormitory furniture c) Basic office furniture	a) Additional office furniture, curtain and utensils, etc b) Amenities for dormitory	a) 600,000 YR b) 100,000 YR
(6) Others	Approx.	946,000 YR
	a) Application / permission for building b) Smooth custom clearance, tax exemptions and prompt internal transportation for the imported materials and equipment. c) Commissions for Banking Arrangement (B/A) and Authorization to Pay (A/P) d) Issuance of Visa, Tax exemption and necessary preferential treatment for the Japanese staff. e) Smooth entry/re-entry and departure for the Japanese staff. f) All expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.	a) by MOH, Aden Gov. appx. 140,000 YR b) by MOH, Aden Gov. c) by MOH, MOPD (appx. 0.1% of E/N amount: 806,000YR) d) by MOH, MOPD, and Aden Gov. e) by MOH, MOPD, and Aden Gov. f) by MOH, MOPD, and Aden Gov.
Total Cost for Extent of Works:	Approx.	6,588,000 YR
Operation & Maintenance Cost:	Approx.	Annually 4,259,000 YR
	a) Management and operation cost (excluding personnel expenses) b) Maintenance cost	a) 1,450,000 YR b) 2,809,000 YR by Aden Gov.

Time Schedule for Yemeni Side Works

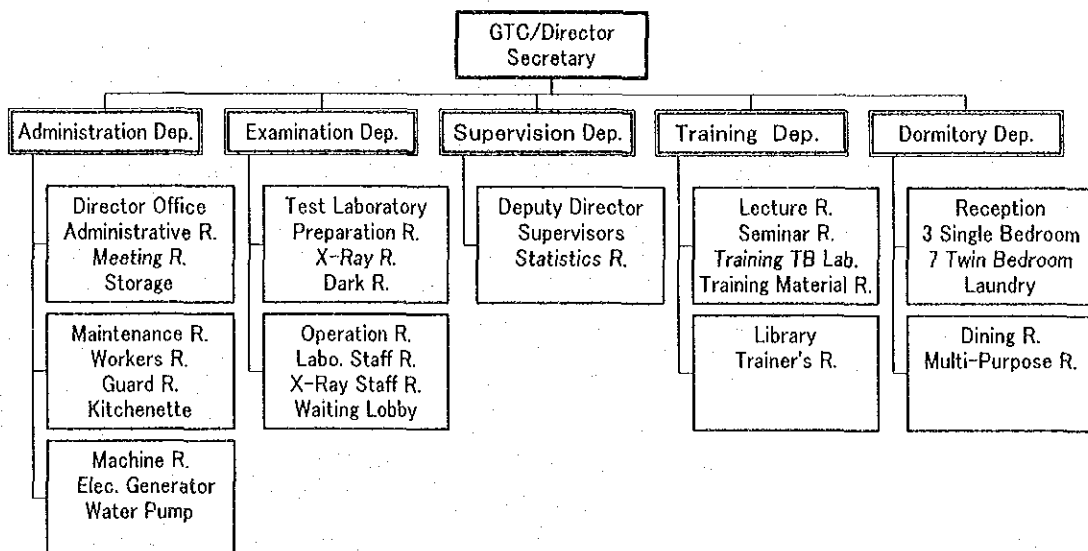
(YR)

Fiscal Year	2002	2003
(1) Construction Related Cost		
1) Site clearance	60,000	-
2) Reroute of existing electrical line	120,000	-
3) Construction of new gate	200,000	-
4) Connection of approach road	-	2,140,000
5) Gardening	-	300,000
(2) Infrastructure connection cost		
1) Power connection	-	2,000,000
2) Telephone connection	-	88,000
3) Water connection	-	24,000
4) Sewerage connection	-	10,000
(3) Banking arrangement	806,000	-
(4) Building permit	140,000	-
(5) Furniture and office equipment	-	700,000
Total	1,326,000	4,262,000

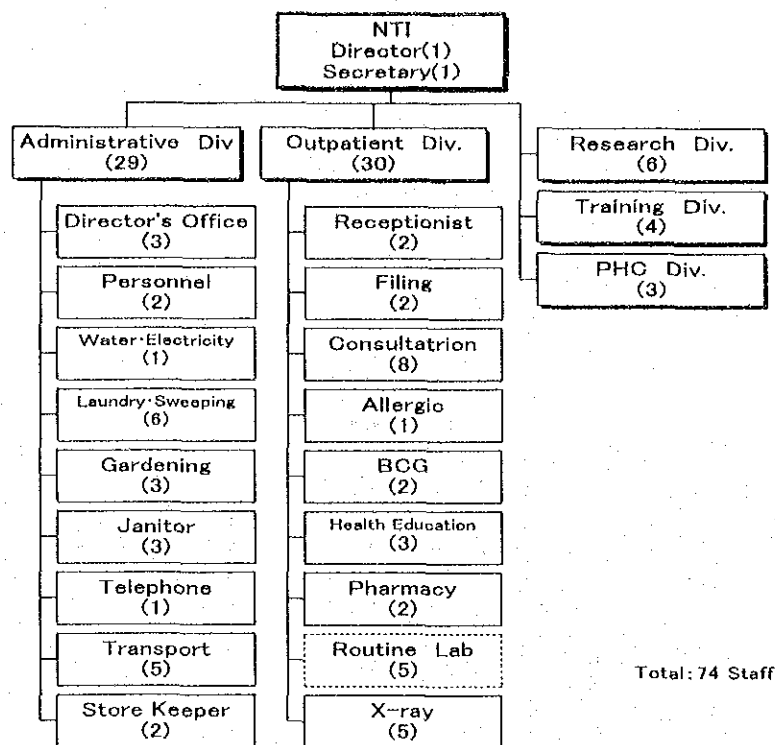
8. Organization Chart

Appendix 8 Organization Charts

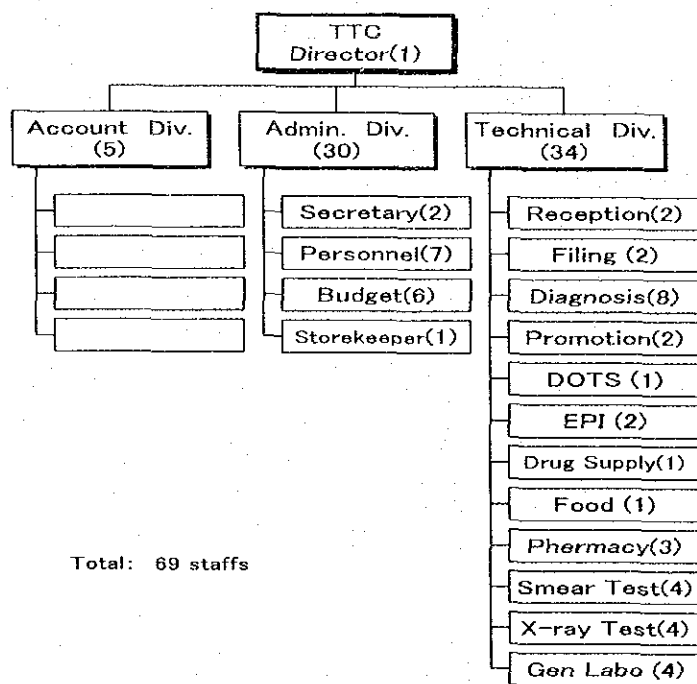
Aden Health Office Directorate of Primary Health Care PHC Office



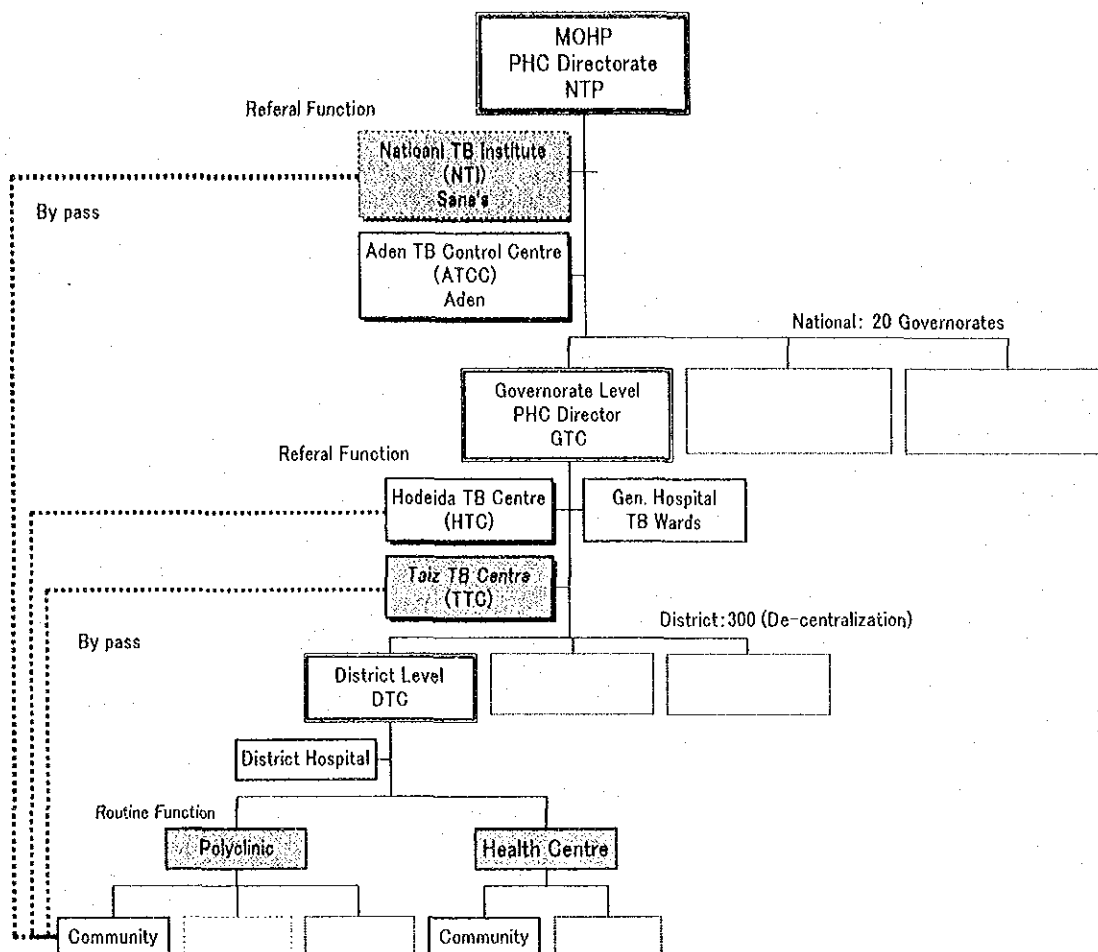
Aden TB Control Center



National Tuberculosis Institute (NTI)



Taiz TB Centre (TTC)



Yemen TB Control Programme

9. Staff Allocation Plan

Appendix 9 Staff Allocation Plan

A: Technical Staff Allocation

Position	Name	Age	Specialty	Existing Post/Job	Educational/Training Background
Director	Dr. Osama A.R. Badeer		General Practitioner	GTC from 1992, PHC	GP - Moscow (University of No.3) 1988
Dpty. Director	Dr. Adul Aziz Adam	30	General Practitioner	Asst. GTC, PHC	GP, Aden Medical College, 1998
Pharmacist	Ms. Oiam Alsani	32	Pharmacist	Al Gamuhuria Hosp.	Amin Nasher Institute,
	Mr. Nasher Ahmed	35	Pharmacist	Al Gamuhuria Hosp.	Amin Nasher Institute,
Labo Technician	Mr. Ahmad Ali	35	Labo Technician	Al Gamuhuria Hosp.	Japan, 1994
	Mr. Gamal Saheh	38	Labo Technician	Al Gamuhuria Hosp	Japan, 1992
	Mr. Fouad Hadad	48	Labo Superintendent	PHC	Master Degree, 1985
	Mr. Nasser Saleh	40	Labo Technician	PHC	Aden Medical College,
X-ray Technician	Mr. Nbas Ali	50	X-ray Technician	Al Gamhuria Hosp.	Amin Nasher Institute
	Mr. Hani Fadel	34	X-ray Technician	Daar Saad Polyclinic	Amin Nasher Institute
Statistician	Mr. Ali Zin Ali	54	Statistician	Al skandaria 2000	
	Dr. Mohamed Taher	32	Physician	Physician-NTP	Aden Medical College
Supervisor	Mr. Nageb Nasser	49	Medical Assistant	PHC	Amin Nasher Institute, 1990
	Mr. Fahmi Mohamed	35	Medical Assistant	PHC	Amin Nasher Institute,
	Mr. Safiah Mohamad	60	Medical Assistant	PHC	Amin Nasher Institute,
Trainer	Mr. Nasser A. Saleh	38	Medical Assistant	Amin Nasher Institute	Amin Nasher Institute,
	Mr. Ali Omer Alhed	42	Medical Assistant	DTC, Al Mansura	Amin Nasher Institute
	Mr. Mohamed A. Rhman	48	Medical Assistant	DTC, Al Medan	Amin Nasher Institute
	Mr. Kaled Seef Mohamed	40	Medical Assistant	DTC, Al Bureiqua	Amin Nasher Institute
Others	Mr. Sadek Mohamed Ali		(Dormitory Assistant)	PHC	
Total					

B: General Staff Allocation Plan

Position	Name	Age	Specialty	Existing Post	Education / Training Background
Accountant	Mr. Abdul Elah	33		Accountant, PHC	
General Admin.	Mr. Fatehe Mohamad	42		Administrator, PHC	
	Mr. Naser Aziz	40		PHC	
	Mr. Galeb Abdulah			Reception, PHC	
Secretary					
Maintenance					
Transport	Mr. Ahmad Awad				
	Mr. Abdulah Mukbel				
Guard	Mr. Borhan Mohamed	50		PHC	
	Mr. Kahlid Mohamed	55		PHC	
Sweeper					
Janitor					
Others	Mr. Nagat Ahmed			Clerk, PHC	
Total					

C: Exiting Maintenance Staff in PHC Office

Position	Name	Age	Specialty / Existing Post	Educational/Training Background
Building	Mr. Hassan Mahamed Saleh	35	Building	
	Mr. Wael Ahmed Abdoh	22	Mechanical	Vocational Training Certificate
Water/ Drainage	Mr. Adnan Tabet Mohamed	44	Water and Sanitation	Junior High School
	Mr. Mohamed Noor Aden	38	Water and Sanitation	
Electricity	Mr. Raaid Ismael	40	Electrician	
	Mr. Saad Mohamed Ali	22	Electrician	Vocational Training Certificate

10. Planned Training Schedule at NTI

Appendix 10 Planned Training Schedule at NTI

Curriculum: I District TB Coordinator (DTC)

Day-1(Sat) CR: Classroom, LB: Laboratory

9:00	10:00	Registration and Opening	CR
10:00	10:30	Introduction	CR
10:30	11:00	Break	
11:00	13:30	Treatment Administration	CR

Day-2(Sun)

8:30	10:30	Treatment Administration	CR
10:30	11:00	Break	
11:00	13:30	Patients Registration	CR

Day-3(Mon)

8:30	9:30	Patients Registration	CR
9:30	10:30	Recognizing of Suspected cases	CR
10:30	11:00	Break	
11:00	13:30	Monitoring of treatment	CR

Day-4(Tue)

8:30	10:30	Case Finding	CR
10:30	11:00	Break	
11:00	12:00	Case Finding	CR
12:00	13:30	Treatment Outcomes	CR

Day-5(Wed)

8:30	10:30	Treatment Outcomes	CR
10:30	11:00	Break	
11:00	13:30	Insuring of Regular Drug Supply	CR

Day-6(Thu)

8:30	10:00	Laboratory Services & Supervision	LB
10:00	10:30	Break	
10:30	12:00	Visit to a Health Facility	Site
12:00	12:30	Closing	

Curriculum: II Laboratory Technician (LT)

Day-1(Sat) CR: Classroom, LB: Laboratory

8:30	10:30	Opening - The importance of TB lab.	CR
10:30	11:00	Break time	
11:00	14:00	Lecture about how to receive & prepare	LB

Day-2(Sun)

8:30	10:30	Practice about sputum sample	LB
10:30	11:00	Break time	
11:00	14:00	Lecture and Practice about stain	LB

Day-3(Mon)

8:30	10:30	Practice about sputum sample	LB
10:30	11:00	Break time	
11:00	14:00	Microscopical examination for sputum	LB

Day-4(Tue)

8:30	10:30	Lecture about how to avoid mistakes	CR
10:30	11:00	Break time	
11:00	14:00	Preparation & microscopical examination	LB

Day-5(Wed)

8:30	10:30	Preparation & Microscopical examination	LB
10:30	11:00	Break time	
11:00	14:00	Preparation & Microscopical examination	LB

Day-6(Thu)

8:30	10:00	Lecture about how to perform laboratory	CR
10:00	10:30	Break time	
10:30	14:00	* Theoretical and practical examination. * Microscopical examination of ready * Providing of the trainees with the	CR/LB

Curriculum: III PHC Health Workers

Day-1(Sat)

CR: Classroom, LB: Laboratory

8:30	9:00	Opening	CR
9:00	9:30	Intprduction on TB & DOTS strategy	CR
9:30	10:30	Filling Treatment Card (Group practice)	CR
10:30	11:00	Tea Break	
11:00	13:00	Administering Treatment (Group practice)	CR

Day-2(Sun)

8:30	10:30	Registering cases (Group practice)	CR
10:30	11:00	Tea Break	
11:00	12:00	Health Education	CR
12:00	13:00	Visit to lab. Section	LB

Day-3(Mon)

8:30	9:30	Visit to DOTS room in the Center	LB
9:30	10:30	Reporting (Group Practice)	CR
10:30	11:00	Tea Break	
11:00	12:30	Reporting (Group Practice)	CR
12:30	13:30	Training Evaluation & Closing	CR

Curriculum: IV Laboratory Quality Control Workshop

Day-1(Sat)

8:30	9:00	Opening / Orientation	CR
9:00	9:45	National Report	CR
9:45	11:15	Report of Governorate Laboratory	CR
11:15	11:30	Tea	
11:30	13:00	Report of Governorat (3)	CR
13:00	14:00	Lunch	
14:00	15:00	Report (2)	CR
15:00	16:30	Analysis of problem, related to supervision	CR

* Presentation of each Governorate: 20 min plus 10 min discussion.

Day-2(Sun)

8:30	9:30	Analysis of problems, related to	CR
9:30	11:15	Technique of supervision and QC	CR
11:15	11:30	Tea	
11:30	13:00	Relationships of lab with other section and	CR
13:00	14:00	Lunch	
14:00	16:00	Recording and reporting system	CR

Day-3(Mon)

8:30	10:00	Content of supervision check-list	CR
10:00	11:00	Practicing collection of data from lab	CR
11:00	11:15	Tea	
11:15	12:30	Case study with group discussion	CR
12:30	13:00	Action Plan and Evaluation of workshop	CR

11. ATTC Courses and Meeting Plan 2001

Appendix 11 ATTCCourses and Meeting Plan

A. DOT Expansion Plan in the Southern and Eastern Governorates.

DOTS Staff: Basic Requirement

Governorate	Districts	DOTS staff				S.Total	Pop/Ds (Y2005)
		Doctors	DTCs	Lab.T.	PH Wks.		
1 Aden	8	8	8	8	16	40	78,125
2 Abyan	10	10	10	10	20	50	53,800
3 Dhalea	10	10	10	10	20	50	
4 Lahj	15	15	15	15	30	75	48,800
5 Shabwa	16	16	16	16	32	80	45,875
6 Mahra	8	8	8	8	16	40	8,750
7 Hadramout	29	29	29	29	58	145	32,241
8 Baidha	12	12	12	12	24	60	59,917
Total	108	108	108	108	216	540	40,306

Each district will have one Doctor, one DTC, one Lab.Ts. and two PHC Workers.

New Training - 2000

Governorate	Districts	DOTS staff				S.Total
		Doctors	DTCs	Lab.T.	PH Wks.	
1 Aden	8	5	5	5	10	25
2 Abyan	10	3	3	3	6	15
3 Dhalea	10	3	3	3	6	15
4 Lahj	15	0	0	0	0	0
5 Shabwa	16	13	13	13	26	65
6 Mahra	8	6	6	6	12	30
7 Hadramout	29	23	23	23	46	115
8 Baidha	12	6	6	6	12	30
S.Total	108	59	59	59	118	295

New Training - 2001

Governorate	Districts	DOTS staff				S.Total
		Doctors	DTCs	Lab.T.	PHC Wks.	
1 Aden	8	3	3	3	6	15
2 Abyan	10	7	7	7	14	35
3 Dhalea	10	7	7	7	14	35
4 Lahj	15	15	15	15	30	75
5 Shabwa	16	3	3	3	6	15
6 Mahra	8	2	2	2	4	10
7 Hadramout	29	6	6	6	12	30
8 Baidha	12	6	6	6	12	30
S.Total (2001)		49	49	49	98	245
S.Total (2000)		59	59	59	118	295
Total	108	108	108	108	216	540

Annual Refresh Training

Governorate	Districts	Doctors	DTCs	Lab.T.	PHC Wks.	S.Total
1 Aden	8	3	3	3	6	15
2 Abyan	10	4	4	4	8	20
3 Dhalea	10	3	3	3	6	15
4 Lahj	15	5	5	5	10	25
5 Shabwa	16	2	2	2	4	10
6 Mahra	8	2	2	2	4	10
7 Hadramout	29	3	3	3	6	15
8 Baidha	12	3	3	3	6	15
Taiz	18	5	5	5	10	25
Ibb	18	5	5	5	10	25
Total	144	35	35	35	70	175

B. ADEN TB CONTROL CENTER: Training and Meeting Plan from 2001

	Course / Meeting	Persons (prsns)	Duration (days)	No./years (times)	T. Person (prsns)	Annual Schedule												Domtry Rm Usage (Day*Prsn)
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	DOTS Staff New Trainings																	
1	New Doctors	12	6	4	48		○			○			○			○		288
2	New District TB Coordinators	12	6	4	48			○			○			○			○	288
3	New Labo. Technicians	6	6	6	36	○		○		○		○		○		○		216
4	New PH Workers	14	3	6	64	○		○		○		○		○		○		252
	DOTS Staff Refresh Trainings																	
5	Refresh for Doctorts	12	2	4	48		○			○			○			○		96
6	Refresh for District TB Coordinators	12	2	4	48			○			○			○			○	96
7	Refresh for Labo. Technician	6	2	4	24		○			○			○			○		48
8	Refresh for PH Workers	14	2	4	56	○			○			○			○			112
	PHC Related Trainings																	
9	Village Health Workers	20	2	4	80	○			○			○			○			160
10	Community Leaders	20	1	4	80		○			○			○			○		-
11	Health Volunteerss	20	1	4	80			○			○			○			○	-
12	Others: Communicable Disease Control	(apx. 20)	3	2	(apx. 40)				○						○			(apx. 120)
13	Reproductive Health	(apx. 20)	3	2	(apx. 40)				○						○			(apx. 120)
14	Health Education	(apx. 18)	3	2	(apx. 36)				○						○			(apx. 108)
	TB Meetings																	
15	Governorate TB Control (GTC) Meeting	25	3	1	-	○												75
16	District TB Control (DTC) Meeting	30	2	4	-	○			○			○			○			240
17	YATA Regional Meetings	20	2	2	-		○						○					80
18	Internal Weekly Meeting	10	1	48	-	○	○	○	○	○	○	○	○	○	○	○	○	-
19	PHC Monthly Meeting	20	1	12	-	○		○		○		○		○		○		-
20																		

Annual Room Usage (Day*Person) 1951

No. of Districts = Aden 8, Lahji 15, Abyan 10, Shabwa 16, Baida 12, Hadramaut 29, Mahra 9, Dhala 9 = Total 108 Districts 1951 / 14 beds = 139days / 260 = 53%