

## Chapter 4 Project Evaluation and Recommendation

### 4.1 Project Effect

#### (1) Method of Examining Appropriateness

The Project shall be implemented with the objectives of improving solid waste collection and final disposal in the 160 small and medium municipalities/villages in West Bank of the PA. The solid waste collection rate in the target municipalities is limited to approximately 40% at present, and the solid waste that is collected is disposed of by open dumping on the outskirts of each municipality/village, a situation that is leading to environmental pollution. Therefore, the direct benefit of the Project was measured by considering the size of the population that will benefit from the improved solid waste collection rate. Concerning Project appropriateness, the per capita cost of the solid waste management service for residents in each municipality/villages was estimated and compared with the burden that can be borne by residents.

#### (2) Project Effect

The Project aims to improve solid waste collection and final disposal in small and medium municipality/village of the West Bank. As has been described earlier, the Project targets 160 municipalities/villages on the West Bank, accounting for 32% of the West Bank population. The overall solid waste collection rate in the target municipalities/villages is restricted to 40%, but implementation of the Project will enable a collection rate of 100% to be achieved in 2000. In 2004, too, a collection rate of 100% will be possible providing that employees of the solid waste management work one or two hours overtime. The effects of Project implementation are summarized in Table 4.1.1.

Table 4.1.2 shows the benefiting population of the Project and the per capita cost. The Project will directly benefit the residential population of the target municipalities/villages, estimated as 797,000 in 2004. The benefit will be especially great for residents of those municipalities which have not so far received solid waste collection services. Moreover, through stopping the open dumping of solid waste around each municipality, it is considered that the Project will contribute towards mitigating environmental pollution throughout the whole West Bank area.

**Table 4.1.1 Effects of Project Implementation**

Current Conditions and Problems	Project Response	Level of Effect and Improvement
<p>1. Solid waste collection and transportation</p> <p>a. There are some municipalities where there is no solid waste collection service.</p> <p>b. Due to inadequacy of solid waste collection, the collection rate in the target municipalities is low (40%).</p> <p>c. Since solid waste is collected mainly using tractors, transportation efficiency is low and the working environment is very poor.</p>	<p>a. A joint setup for solid waste collection will be established in order to provide solid waste collection services even in small municipalities.</p> <p>b. Solid waste collection and transportation equipment will be procured and commissioned.</p> <p>c. Compactor trucks and a container system will be introduced.</p>	<p>a. Introduction of the joint solid waste collection setup will enable solid waste collection services to be provided even in small municipalities.</p> <p>b. The solid waste collection rate in the target municipalities will be raised to 100%.</p> <p>c. Introduction of compactor trucks and a container system will lead to improvement of transportation efficiency and the working environment.</p>
<p>2. Final disposal</p> <p>a. Due to insufficient transportation capacity, collected solid waste is open dumped around each municipality and this is leading to environmental pollution.</p> <p>b. Improvement of regional disposal sites is planned, however, because there is no disposal equipment, solid waste is open dumped at almost all such sites, and this combined with open air burning, etc. is leading to environmental pollution.</p>	<p>a. In consideration of transportation capacity, compactor trucks will be introduced to enable collected waste to be carried to the regional disposal sites for disposal.</p> <p>b. Disposal equipment will be provided to five regional disposal sites to enable earth covering to be carried out.</p>	<p>a. It will be possible to stop open dumping around each municipality. As a result, pollution of the surrounding environment will be prevented.</p> <p>b. Implementation of earth covering will enable environmental pollution to be mitigated around the existing regional disposal sites.</p>

Implementation of the Project will result in the collected amount of solid waste in the 160 target municipalities being increased from 133 tons/day at present to 490 tons/day in 2004, and the solid waste collection rate being raised from 40% to 100%. Moreover, the per capita operation and maintenance cost following Project implementation will be 623 yen/person/year (16.8 NIS/person/year, or 118 NIS/household/year for a seven-member household). This cost burden is equivalent to just 0.8% of the average monthly salary (US \$ 355 = approximately 1,240 NIS) in the PA and is considered to be well within the bounds of reason. Moreover, the per capita Project cost is 1,754 yen/person, and this again is a reasonable figure.

Incidentally, since implementation of the Project will require the employment of 281 new workers, it will also help to mitigate the unemployment problem currently faced by the PA. The Project aims to develop the solid waste management setup of small and medium municipalities in the PA, and its implementation will result in the realization of

a joint solid waste collection service in municipalities, disposal of solid waste at regional disposal sites, and the establishment of an equipment maintenance setup based on regional workshops. It is thought that these effects will make a great contribution to the future improvement of the solid waste management setup in other small and medium municipalities.

The effects of Project implementation can be summed up as follows.

- 1) By raising the solid waste collection rate in the 160 target municipalities, it will be possible to preserve the living environment of the residential population (estimated as 797,000 in 2004) in these municipalities.
- 2) By replacing currently used tractors with compactor trucks and container system, it will be possible to improve solid waste collection work efficiency and the working environment.
- 3) The introduction of compactor trucks will enable long-distance transportation to be carried out, thus allowing open dumping around the target municipalities to be stopped and collected solid waste to be transported to regional disposal sites for disposal. As a result, it will be possible to prevent the environmental pollution that is currently caused by open dumping.
- 4) The implementation of earth covering will lead to the improvement of regional disposal sites and mitigate the environmental impact on surrounding areas.
- 5) Since implementation of the Project will lead to the employment of 280 additional workers, it will make a contribution towards improving the unemployment problem currently faced by the PA.
- 6) The introduction of the joint service for solid waste collection which organize the 160 target municipalities/villages into 68 groups, regional disposal and maintenance system will enable to extend solid waste collection service in other small and medium municipalities/villages and this will act as the first step in the establishment of appropriate solid waste management system in whole West Bank in future.

Since the Project can be expected to have a major effect in improving solid waste collection and final disposal on the West Bank and to make a wide-ranging contribution towards improving the living and sanitary environment for residents in the area, its implementation under the Grant Aid Scheme of the Government of Japan is appropriate. However, concerning Project operation and maintenance, it is necessary for the PA side to seek the consent of residents regarding the bearing of costs.

**Table 4.1.2 Project Effect and Cost Level**

Item	Current Conditions	After Project	
		2000	2004
Target population	540,732	638,568	797,089
Solid waste collection rate	40%	100%	100%
Collection population	212,292	638,568	797,089
Amount of generated solid waste	333 tons/day	393 tons/day	490 tons/day (178,850 tons/year)
Amount of collected solid waste	133 tons/day	393 tons/day	490 tons/day (178,850 tons/year)
Project cost		Total 1,398,000,000 yen	
Japan side burden		1,328,000,000 yen	
The PA side burden		70,000,000 yen	
Per capita Project cost			1,754 yen/person
Annual cost per ton of waste			7,816 yen/ton
Operation and maintenance cost			497,000,000 yen/year
Per capita operation and maintenance cost			623 yen/year (9.8 NIS/month/hh)
Operation and maintenance cost per ton of waste			2,778 yen/ton
Per capita operation and maintenance cost as ratio of average monthly salary			0.8%
New employment resulting from Project		Approximately 280 jobs	

## 4.2 Recommendation

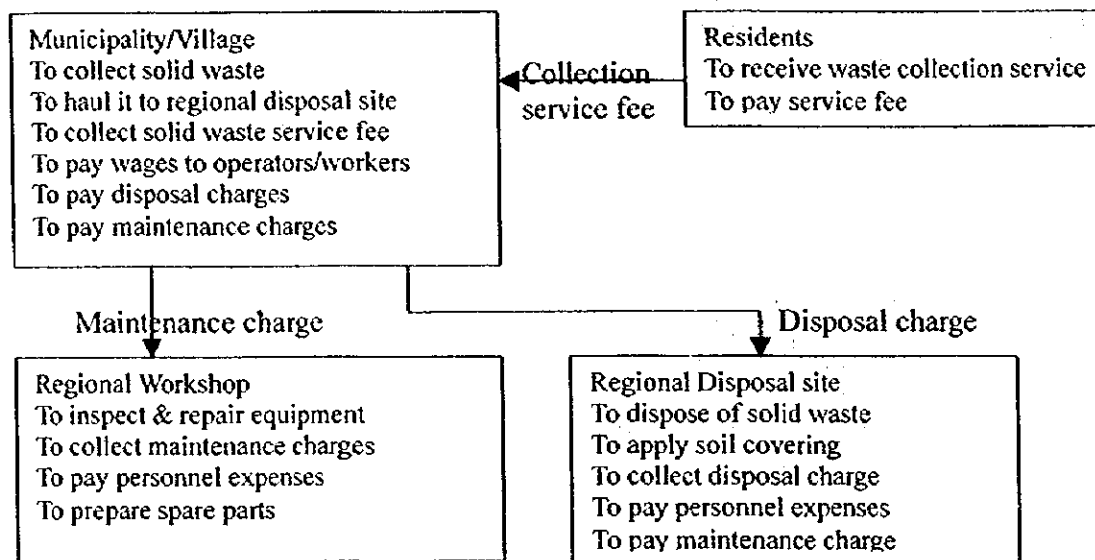
### (1) Recommendation for the Setup of Operation and Maintenance Organization

#### a. Preparation and Importance of This Ahead of Equipment Arrival

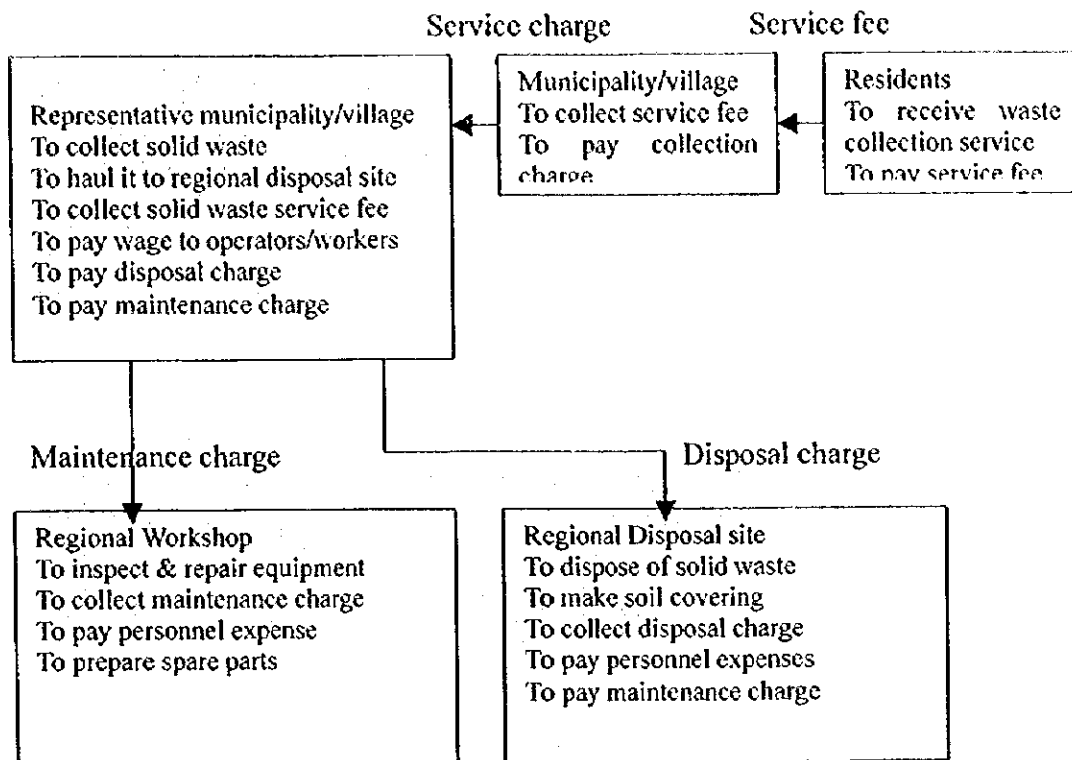
Figures 4.2.1 and 4.2.2 give a comparison of the cost burden and work flow following establishment of the operation and maintenance setup between the case of individual operation by each municipality and the case of group operation.

Following the arrival of solid waste collection and disposal equipment under the Project and the implementation of training on equipment operation and maintenance, it is necessary for transition to the operation and maintenance setup shown in Figures 4.2.1 and 4.2.2 to be carried out promptly.

For this reason, a large amount of preparation is required. It is first necessary to prepare a reserve fund to cover the costs of works to be undertaken by the PA side (garage construction, etc.) and to tide over the period when collection of service charges is not fully established. Secondly, it is necessary to set the level of charges that are to be collected from residents. Thirdly, it is necessary to secure agreement concerning the bearing of costs incurred by the regional disposal sites and regional workshops. Particularly in the case where joint collection services are carried out by groups (Figure 4.2.2), it is necessary to secure agreement concerning the cost burden of each municipality.



**Fig. 4.2.1 Operation of Solid Waste Collection Service (Single municipality/village)**



**Fig. 4.2.2 Operation of Solid Waste Collection Service (Joint Service Group)**

It will be necessary to successively monitor the state of progress of each group in making the above preparations, and to bear in mind the fact that the deadline for such preparations is the arrival of the Project equipment. Personnel and fuel costs, etc. will be incurred from the time when the equipment arrives. Since any delay in making the above preparations will increase the cost burden over the period when collection of service charges is not fully established and exacerbate problems, it is hoped that all necessary steps will be taken to ensure the timely completion of work.

**b. Securing of Operation and Maintenance Budget for Regional Disposal Site**

It is planned for disposal equipment to be procured through grant aid for the regional disposal sites at Jenin, Ramallah, Toubas Tulkarem and Jericho. Operating costs will need to be covered as soon as the equipment arrives. Moreover, because these are regional disposal sites, if the main cities that run the sites do not collect disposal charges from each surrounding municipality (users), they will have to cover the operating costs from their own funds. Accordingly, in order to ensure the sustained operation of the disposal sites, it is necessary for each main city to hold consultations and reach agreement concerning cost sharing with the surrounding municipalities. For this reason, it is very important to seek at every opportunity the cooperation of the Ministry of Local Government.

### c. Operation of the Regional Workshops

It is planned for periodic inspections and maintenance to be carried out at the regional workshops. Moreover, it is planned for Ramallah regional workshop to conduct the centralized management of spare parts and distribute parts to the other workshops as necessary. Since it is necessary to increase maintenance staff and make other preparations for the regional workshops, it is essential that surrounding municipalities share the cost burden in the same way as in the case of the regional disposal sites. The regional workshops will be operated by the Ministry of Local Government and the related main cities. In order to ensure the smooth inspection and maintenance of each surrounding municipality's equipment, it will be necessary for the Ministry of Local Government to take active involvement and promote a fair maintenance service.

In particular, since the regional workshops are currently in the process of being developed, consideration must be given to ensuring that the procured spare parts are actively utilized. Moreover, to ensure the sustained use of equipment, the Ministry of Local Government, in consideration of the importance of maintenance, needs to hold consultations and reach agreement concerning cost sharing with the surrounding municipalities.

### d. Monitoring of the Utilization of Procured Equipment

Concerning the equipment to be procured under the grant aid, it is most important to ensure that the equipment is properly utilized. Since the equipment will be distributed to 68 groups in the Project, the monitoring of equipment use is significant. With respect to this point, it is necessary that the agency responsible for the Project, the Ministry of Local Government, establishes methods of monitoring equipment and sets up a system whereby it makes periodic reports to the Japan side.

For this reason, it is necessary for the Ministry of Local Government to establish departments to supervise Project preparations and to monitor operating conditions following procurement. Moreover, it is necessary to establish a committee composed of, among others, representatives from the Ministry of Local Government and from the main cities and municipalities containing the regional disposal sites and regional workshops, and for this committee to act as an overall coordinating body.

### (2) Preparation Before the Start of Operation and Items for Implementation After the Start of Operation

As was mentioned above, it is very important that sufficient preparations be made prior to the arrival of equipment. Table 4.2.1 summarizes the prior preparations that should be made and the items that should be implemented following the start of operation by each implementing agency. Also, Figure 4.2.3 shows the Project implementation schedule and preparation schedule.

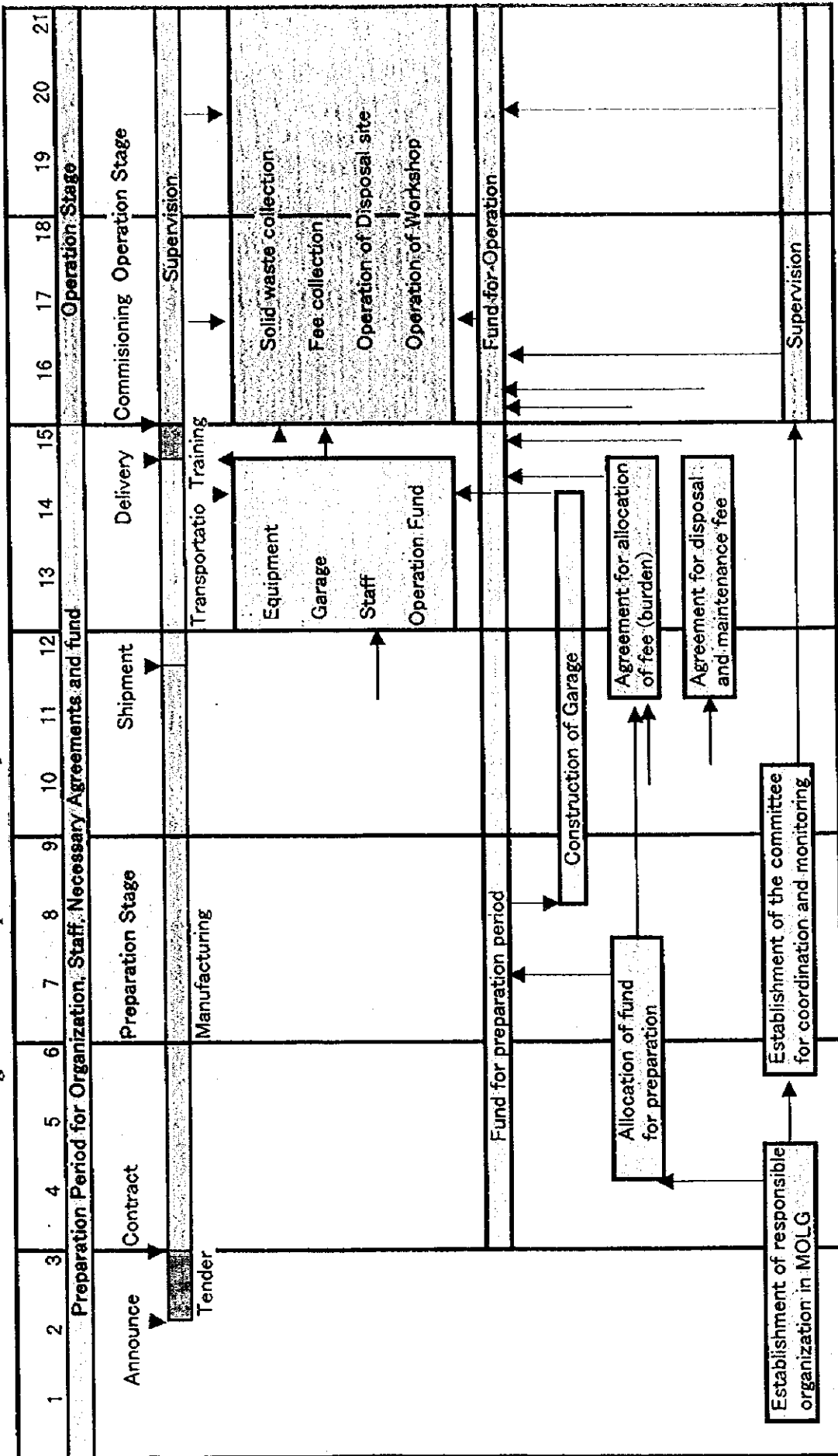
## Required Works for Preparation Period and Operation

Name of Authority	Preparation Period	Operation
1. Ministry of Local Government	<ol style="list-style-type: none"> <li>1. Establishment of responsible organization</li> <li>2. Establishment of monitoring system for preparation period and operation</li> <li>3. Supervision of preparation work</li> <li>4. Periodical reporting to Japanese side</li> <li>5. Preparation of necessary budget for preparation works of MOLG and guidance to Municipalities/ Villages</li> <li>6. Establishment of coordination committee</li> <li>7. Guidance and coordination between municipalities/ villages</li> <li>8. Preparation of training</li> <li>9. Establishment of system to supervise regional disposal sites and workshops</li> </ol>	<ol style="list-style-type: none"> <li>1. Supervision and monitoring</li> <li>2. Guidance to the municipality/village</li> <li>3. Reporting to Japanese side</li> <li>4. Management of the Committee</li> <li>5. Management of spare parts</li> </ol>
2. Municipality/ Village		
2-1 Single Group	<ol style="list-style-type: none"> <li>a. Preparation of necessary personnel</li> <li>b. Construction of garage</li> <li>c. Preparation of necessary fund for preparation work and it's collection</li> <li>d. Decision of charge and inform residents</li> <li>e. Agreement with regional disposal site (disposal fee)</li> <li>f. Agreement with regional workshop (Maintenance fee)</li> <li>g. Establishment of accounting system</li> <li>h. Periodical reporting of progress to MOLG</li> </ol>	<ol style="list-style-type: none"> <li>1. Solid waste collection service</li> <li>2. Fee collection</li> <li>3. Payment of operation and maintenance cost</li> <li>4. Payment for regional disposal site and workshop</li> <li>5. Reporting</li> </ol>
2-2 Group	<p>In addition to the above</p> <ol style="list-style-type: none"> <li>i. Allocation and agreement of fund for preparation work</li> <li>j. Collection of fund for preparation work</li> <li>k. Agreement in the group for operation and cost burden (Detail of solid waste collection, cost allocation, fee collection method, etc)</li> </ol>	<p>In addition to the above</p> <ol style="list-style-type: none"> <li>1. Collection of cost from each municipality/village</li> </ol>



Name of Authority	Preparation Period	Operation
3. Regional Disposal site		
3-1 Jenin, Toubas, Jericho, Ramallah	a. Construction of fence b. Construction of garage c. Preparation of necessary personnel d. Preparation of operation plan e. Agreement and allocation of fund for preparation works with municipality/village f. Collection of fund for preparation work g. Agreement for operation (Disposal fee, fee collection method, etc) with municipality/village h. Establishment of accounting system i. Periodical reporting of progress to MOLG	1. Solid waste disposal 2. Covering soil 3. Payment of operation and maintenance cost 4. Fee collection from each municipality/village 5. Reporting
3-2 Tulkarem, Nablus, Salfit, Hebron	a. Construction of fence b. Preparation of equipment (rental, etc) c. Preparation of operation plan d. Agreement and allocation of fund for preparation works with municipality/village e. Collection fund for preparation work f. Agreement for operation (Disposal fee, fee collection method, etc) g. Establishment of accounting system h. Periodical reporting of progress to MOLG	1. Solid waste disposal 2. Covering soil 3. Payment of operation and maintenance cost 4. Fee collection from each municipality/village 5. Reporting
4. Regional Workshop		
4-1 Ramallah	a. Construction of workshop b. Construction store for spare parts c. Establishment of organization and management system d. Preparation of necessary personnel e. Establishment of spare parts management and control system f. Agreement and allocation of fund for preparation works with municipality/village g. Collection fund for preparation work h. Agreement for operation (maintenance fee, fee collection method, etc) i. Establishment of accounting system j. Periodical reporting of progress to MOLG	1. Periodical check and maintenance of equipment 2. Payment of operation cost 3. Preparation of spare parts 4. Fee collection from each municipality/village 5. Reporting
4-2 Other	a. Construction of workshop b. Establishment of organization and management system c. Preparation of necessary personnel d. Agreement and allocation of fund for preparation works with municipality/village e. Collection fund for preparation work f. Agreement for operation (Disposal fee, fee collection method, etc) g. Establishment of accounting system h. Periodical reporting of progress to MOLG	1. Periodical check and maintenance of equipment 2. Payment of operation cost 3. Fee collection from each municipality/village 4. Reporting

Figure 4.2.3 Preparation and Implementation of the Project





## **Appendices**

- Appendix-1     Member List of the Study Team**
- Appendix-2     Survey Schedule**
- Appendix-3     List of Party concerned in the Recipient Country**
- Appendix-4     Minutes of Discussion**
  - (1)     Minutes of Discussions Signed on June 29, 1998**
  - (2)     Minutes of Discussions Signed on October 29, 1998**
- Appendix-5     Cost Estimation Borne by the PA**
- Appendix-6     Survey on Solid Waste Amount and Composition**

**Appendix-1    Member List of the Study Team**

## Member List of the Survey Team

### Basic Design Study

Assignment	Name	Current Position / Company
Leader	Shokichi Sakata	First Project Study Division, Grant Aid Project Study Department, Japan International Cooperation Agency (JICA)
Technical Adviser	Kimio Matsumoto	Counselor, Osaka Bay Regional Offshore Environmental Improvement center
Chief Consultant / Management, Operation & Maintenance Planner	Hiroshi Abe	Yachiyo Engineering Co., Ltd.
Collection & Transportation Planner	Yasufumi Sato	Ditto
Disposal Planner, Environmental Analyst	Katsumi Fujii	Ditto
Equipment Planner	Katsuo Okawara	Ditto
Procurement Planner, Cost Estimator	Kaoru Nakajima	Ditto

### Consultation on Draft Report

Assignment	Name	Current Position / Company
Leader	Masami Oishi	Grant Aid Division Economic Cooperation Bureau Ministry of Foreign Affairs
Chief Consultant / Management, Operation & Maintenance Planner	Hiroshi Abe	Yachiyo Engineering Co., Ltd.
Collection & Transportation Planner	Yasufumi Sato	Ditto

**Appendix-2 Survey Schedule**

## Survey Schedule

(1/3)

Day No.	Date		Stay	Travel	Activities
1	14-Jun	Sun	Zurich	Leave Tokyo (11:55) SR169 Arrive Zurich (17:35), Leave Osaka (12:10) SR163 Arrive Zurich (17:30)	Government members (Sakata and Matsumoto) and Consultant staff members (Abe, Sato and Fujii) leave Japan.
2	15-Jun	Mon	Tel Aviv	Leave Zurich (10:10) SR332 Arrive Tel Aviv (15:00)	Arrival at Tel Aviv. Meeting in Embassy of Japan.
3	16-Jun	Tue	Jerusalem	Tel Aviv ↓ Jerusalem	Courtesy visit and meeting at MOPIC. Courtesy visit and meeting at MOLG.
4	17-Jun	Wed	Jerusalem		Discussions with MOLG and concerned local councils.
5	18-Jun	Thr	Jerusalem		Field survey for bethlehem and Hebron.
6	19-Jun	Fri	Jerusalem		Internal Meeting.
7	20-Jun	Sat	Jerusalem		Field survey for Salfiet, Qalqileah, Nablus, Toubas and Jenin.
8	21-Jun	Sun	Jerusalem		Field survey for Ramallah, Jericho and Tulkarem. Discussions with MOLG.
9	22-Jun	Mon	Jerusalem		Discussions with MOLG.
10	23-Jun	Tue	Jerusalem		Discussions with MOLG.
11	24-Jun	Wed	Jerusalem		Discussions with MOLG.
12	25-Jun	Thr	Jerusalem		Report to Embassy of Japan. Preparation of waste amount survey.
13	26-Jun	Fri	Jerusalem	Leave Tel Aviv (5:25) SR337 Arrive Zurich (8:45)	Government members leave for Japan.
14	27-Jun	Sat	Jerusalem	Leave Zurich (12:50) SR168, Leave Zurich (13:10) SR162	Preparation of waste amount survey. Site survey in concerned local councils.
15	28-Jun	Sun	Jerusalem	Arrive Tokyo (7:40) Arrive Osaka (8:05)	Government members arrive at Tokyo/Osaka. Preparation of waste amount survey. Site survey in concerned local councils.
16	29-Jun	Mon	Jerusalem		Signing of Minutes of Discussions. Preparation of waste amount survey.
17	30-Jun	Tue	Jerusalem		Waste amount survey. Site survey in concerned local councils.



## Survey Schedule

(2/3)

Day No.	Date		Stay	Travel	Activities
18	1-Jul	Wed	Jerusalem		Waste amount survey. Site survey in concerned local councils.
19	2-Jul	Thr	Jerusalem		Waste amount survey. Site survey in concerned local councils.
20	3-Jul	Fri	Jerusalem	Leave Tokyo (11:55) SR169 Arrive Zurich (17:35)	Consultant staff members (Okawara and Nakajima) leave Japan. Waste amount survey.
21	4-Jul	Sat	Jerusalem	Leave Zurich (10:10) SR332 Arrive Tel Aviv. (15:00)	Okawara and Nakajima arrive at Tel Aviv. Waste amount survey. Site survey in concerned local councils.
22	5-Jul	Sun	Jerusalem		Waste amount survey. Site survey in concerned local councils. Equipment procurement survey.
23	6-Jul	Mon	Jerusalem		Waste amount survey.
24	7-Jul	Tue	Jerusalem		Waste amount survey. Site survey in concerned local councils. Equipment procurement survey.
25	8-Jul	Wed	Jerusalem		Waste amount survey. Site survey in concerned local councils. Equipment procurement survey.
26	9-Jul	Thr	Jerusalem		Waste amount survey. Site survey in concerned local councils. Equipment procurement survey.
27	10-Jul	Fri	Jerusalem		Holiday
28	11-Jul	Sat	Jerusalem	Leave Tel Aviv (17:25) BA2030 Arrive London (20:25)	Waste amount survey. Site survey in concerned local councils. Equipment procurement survey. Consultant staff member (Sato) leave for Japan.
29	12-Jul	Sun	Jerusalem	Leave London (19:45) JL402	Equipment procurement survey. Discussions with MOLG.
30	13-Jul	Mon	Jerusalem	Arrive Tokyo (15:20)	Equipment procurement survey. Discussions with MOLG. Sato arrives at Tokyo.
31	14-Jul	Tue	Jerusalem		Discussion with MOLG. Equipment procurement survey. Site survey for existing disposal sites.
32	15-Jul	Wed	Jerusalem		Equipment procurement survey. <span style="float: right;">Time</span> & Motion survey.
33	16-Jul	Thr	Jerusalem		Discussion with MOLG. Site survey for existing disposal sites. Time & Motion survey.
34	17-Jul	Fri	Jerusalem		Report to Embassy of Japan.

## Survey Schedule

(3/3)

Day No.	Date	Day	Stay	Travel	Activities
35	18-Jul	Sat	Jerusalem		Discussion with MOLG. Site survey for existing disposal sites.
36	19-Jul	Sun	Jerusalem		Discussion with MOLG. Equipment procurement survey.
37	20-Jul	Mon	Jerusalem		Discussion with MOLG and Ministry of
38	21-Jul	Tue	Zurich	Leave Tel Aviv (5:25) SR337 Arrive Zurich (8:45)	Consultant staff members (Abe, Fujii, Okawara and Nakajima) leave for Japan.
39	22-Jul	Wed	-	Leave Zurich (12:50) SR168	Travelling
40	23-Jul	Thr	-	Arrive Tokyo (7:40)	Consultant staff members (Abe, Fujii, Okawara and Nakajima) arrive at Tokyo.

**Survey Schedule (Consultation on Draft Report)**

Day	Date		Stay	Travel	Activities
1	17-Oct.	Sat	Zurich	Leave Tokyo (11:55) SR169 Arrive Zurich (17:35)	Consultant staff members (Abe and Sato) leave Japan.
2	18	Sun	Tel Aviv	Zurich (10:10) Tel Aviv	Mobilization
3	19	Mon.	Jerusalem		Meeting with Embassy of Japan, JICA PA Office Coutesey call to MOPIC
4	20	Tue.	Jerusalem		Explanation of Draft Report to MOLG Discussion with MOLG
5	21	Wed.	Jerusalem		Explanation of Draft Report to MOLG Site visit of Hebron workshop
6	22	Thir.	Jerusalem		Explanation of Draft Report Expalnation and discussion of the Specification with Ministry of Transportation
7	23	Fri.	Jerusalem		Meeting with Embassy of Japan, JICA PA Office
8	24	Sat	Jerusalem	Leave Tokyo (11:55) SR169 Arrive Zurich (17:35)	Explanation and discussion of Draft Report and Specification with MOLG,
9	25	Sun	Tel Aviv	Zurich (10:10) Tel Aviv (14:00)	Arrival of Leader Explanation and discussion of Specification with MOLG and Ministry of Transportation,
10	26	Mon.	Jerusalem		Cautesy call to Embassy of Japan in Gaza Cautesy call to MOPIC
11	27	Tue.	Jerusalem		Discussion of Draft Report with MOLG
12	28	Wed.	Jerusalem		Discussion of Draft Report with MOLG Discussion on Minutes
13	29	Thir.	Jerusalem		Discussion on Minutes and signing of Minutes
14	30	Fri.	Tel Aviv		Reporting to Embassy of Japan and JICA PA Office
15	31	Sat		Tel Aviv (5:30) Zurich (8:40) SR337 Zurich (12:50) SR168	Mobilization
16	1-Nov.			Narita (8:30)	

**Appendix-3 List of Party concerned in the Recipient Country**



## List of Party concerned in the Recipient Country

(1/4)

Name / Organization	Position
Ministry of Planning and International Cooperation (MOPIC)	
Mr. Waleed A. Siam	Director General, International Cooperation
Ministry of Local Government (MOLG)	
Dr. Hussein Al-A'raj	Deputy Minister
Mr. Ahmed Ghnam	Deputy Assistant
Mr. Fawaz Rabai'a	Director of purchase and central workshop (Ramallah)
Mr. Taleb Abu-Ramies	Mechanical Engineer (Ramallah)
Mr. Feyiz Sweili	Environmental Engineer (Hebron)
Mr. Nizar Zyoud	Environmental Engineer (Ramallah)
Mr. Faieq Kunaan	Director of Administration (Tulkarem)
Mr. Tariq Abdil Rawoof	Director of Local Councils (Tulkarem)
Mr. Magdi Rushdi Laimoun	Director of Project Dept. (Tulkarem)
Mr. Akef Whed Ahmadalla	Director of Local Councils (Tulkarem)
Mr. Kamal Jarrar	Planning & Development Dept. (Ramallah)
Environmental Authority	
Mr. Mohamed Said Al-Hmadi	Director General
Concerned Local Councils	
Mr. Musbah A. A Tahboub	Head of Health Dept., Hebron
Mr. Zuhdi R. Al-Monsour	General Director, Jenin
Mr. Hani Shawahni	Head of Health Dept., Jenin
Mr. Diab Abo Khaizaran	Mayor, Tubas
Mr. Yousef Kharraz	Concil Member, Tubas
Mr. Abdullatief Masaiei	Civil Engineer, Tubas
Mr. Husni Zahran	Draftsman and Building Observe, Tubas
Mr. Maher Hanbali	Head of Engineering Dept., Nablus
Ms. Rana S. Al-Habash	Civil Engineer, Nablus
Dr. Nidal Monsour	Head of Health Dept., Nablus
Mr. Abed Al-Karem Abed Al-Hafiz Sider	Deputy Mayor, Jericho
Mr. Ribhi Othman	Head of Council, Al-Aizaria
Mr. Abd Al-Qader Abu Hammad	Mayor, Al-Samoua
Mr. Ahmed Malli	Mayor, Al-Doha
Mr. Raji Zidan	Mayor, Bait Jala
Mr. Essam Shamasneh	Mayor, Quttana
Mr. Jaber Abd Al Asi	Mayor, Bait Luqia
Mr. Asad Sawalmih	Mayor, Aseerah Al Shamaleiah
Mr. Jameel Ahmad Abu Ali	Mayor, Dair Al Ghosoun
Mr. Bashar Majed Bani-Odeh	Mayor, Tammoun
Mr. Waheed Zaatreh	Mayor, Al-Sawahre Al-Sharqueah
Mr. Hanna Saman Bair	Mayor, Al-Taybeh
Mr. Galeb Majed	Mayor, Aqrabah
Mr. Ehsan Abd Al lateef	Mayor, Azzoun
Dr. Nafith Mansour	Mayor, Dair Estiah
Mr. Ehsan Abd Al Fattah	Mayor, Marge Gazal
Mr. Khalil Mohamed Younis	Mayor, Yatta
Mr. Abdul Fattah Dirieh	Mayor, Bait Fajar
Mr. Ahmed Rashid	Deputy Mayor, Der Al Ghosoun
Mr. Ibrahim Izzet	Mayor, Al Jarousheah
Mr. Jamir Abu Hagi	Mayor, Ateel
Mr. Jamar Hassoun	Deputy Mayor, Zita
Mr. Majadleh Jamal Ibrahim	Mayor, Baka Al Shrqueah
Mr. Ziad Salem Talb	Mayor, Nazlet Essa
Mr. Mohamed Ali Ashar	Mayor, Sida

## List of Party concerned in the Recipient Country

(2/4)

Name / Organization	Position
Mr. Tariq Abdll Rawoof	Acting Mayor, Ellar
Mr. Farooq Saleem Shaker	Mayor, Kofur Jammal
Mr. Bassam M. Jammal Abboushi	Mayor, Kofur Abbous
Mr. Arif Ahmed Arif Yaakoub	Mayor, Shofeh
Mr. Basim Mahmoud Abed	Mayor, Faroun
Mr. Fat-hi Qyiman Saffarini	Mayor, Safareen
Mr. Ibrahim Ahmed Hussein	Mayor, Bait Leed
Mr. Abdelrahman Rawaajbeh	Mayor, Roujeeb
Mr. Mansoor Naser Huseen	Mayor, Der Al-Hatab
Mr. Naser Abov Jaish	Mayor, Bait Dajam
Mr. Wael Husni Slawneh	Mayor, Azmout
Mr. Ezeldeen Hadan	Mayor, Salim
Mr. Asad Ali Dahir	Mayor, Yaseed
Mr. Ayed Ihsan	Mayor, Bait Emmreen
Mr. Adel Barakat	Mayor, Nusf Jbail
Mr. Mahmoud O. Ghazal	Mayor, Sabastea
Mr. Ahmed Abu Omar	Mayor, Borqa
Mr. Fahami Jaber	Mayor, Bezareah
Mr. Ibrahim Mahmoud	Mayor, Fasayel
Mr. Mohamed A'mar	Mayor, Al-Jiftlek
Mr. Hassan Abd Al-Fatah	Mayor, Marge Ghazal
Mr. Jameel Mas'uod	Mayor, Marge Najeh
Mr. Hassan Gemmey	Mayor, Al-Zobaidat
Mr. Galeb Saleem A'watelah	Mayor, Ein Al-Duke
Mr. Salef Migum	Mayor, Al-Ouja
Mr. Ibrahim Mohammed Al-Awad	Mayor, Al-Obaydya
Mr. Ahmed Ali Mohammed Salah	Mayor, Dar Salah
Mr. Musa Abdallah Salameh	Mayor, Al-Shawawreh
Mr. Ib'lame Bahr	Mayor, Ras Al-Wad
Mr. Mustaf Namaneh	Mayor, Hosan
Mr. Akram Mustafa Bader	Mayor, Batier
Mr. Mahmood Hussein Kraiwish Ibrajja	Mayor, Al-Masara
Mr. Ibrahim Al-Sheikh	Mayor, Marah Rabah
Mr. Mohamed Rasid Takatka	Mayor, Om Salmouneh
Mr. Ibrahim Kalil Ibrahim Fougrah	Mayor, Jouret Al-Shamaa
Mr. Ibrahim Isma'al	Mayor, Wadi Rahal
Mr. Yosef Ahmed Abu Hamad	Mayor, Wadi Al-Neas
Mr. Saleh Abu Shaqna	Mayor, Marah Ma'alah
Mr. Kamel Hajaj	Mayor, Khalet Al-Hadadh
Mr. Mahnoud Ali Soman	Mayor, Bait Tamer
Mr. Ahmad Musa Oweida	Mayor, Hindza Braideah
Mr. Ahmad Abed Errahman	Mayor, Al-Walajeh
Mr. Suleiman Abu Mufereh	Mayor, Tekoa
Mr. Galeb Bader Mufreh	Mayor, Wadi Fokeen
Mr. Naim I. Fannoon	Mayor, Nahaleen
Mr. Kamal Huswi Assaf	Mayor, Kofur Laquef
Mr. Abdel Fatah Saleem Abdul Kareem	Mayor, Baquet Al-Hatab
Mr. Mussa Khalil Tayoon	Mayor, Hajeh
Mr. Ma'zoz Al-Sidda	Mayor, Jeet
Mr. Hussein Mossa Barri	Mayor, Emmateen
Mr. Samih Shana'a	Mayor, Farata
Mr. Fawz Ysf	Mayor, Kofur Thuluth
Mr. Ahmad Fethi A'ed	Mayor, Jensafout
Mr. Khalil Hammad	Mayor, Al-Fondok
Mr. Samara Marabi	Mayor, Ras Ateah
Mr. Zahran Younis Mara'abeh	Mayor, Ras Al-Tiereh

## List of Party concerned in the Recipient Country

(3/4)

Name / Organization	Position
Mr. Al-Hadei Mhmd	Mayor, Al-Kheameh
Mr. Ahmad M. Jalwood	Mayor, Ezbet Jaloud
Mr. Jumal Yousef Hammad	Mayor, Al-Mdawer
Mr. Ahmad Abbas	Mayor, Kofur Qudoom
Mr. Nabeel Jad'a	Mayor, Habla
Mr. Suleman Othmun	Mayor, Asleh
Mr. Hamed Hnon	Mayor, Al-Nabee Eleas
Mr. Gazi Nasrallah	Mayor, Jayos
Mr. Mahammad Othman Muhammad	Mayor, Falamea
Mr. Abedal Salam Ratb Shree	Mayor, Seer
Mr. Jaber Assy	Mayor, Bait Laqeah
Mr. Abdel Raheem Abu Safeyah	Mayor, Bait Sira
Mr. Taha Al-Khawaja	Mayor, Naleen
Mr. Taleb Abed	Mayor, Al-Media
Mr. Sleeman Esteeh	Mayor, Der Qudees
Mr. Hesén Rajeb	Mayor, Qubeah
Mr. Mohamed Ellian	Mayor, Bodrus
Mr. Adan Shalash	Mayor, Shoqba
Mr. Manmoud Helel	Mayor, Banizaid Al-Sharqeah
Mr. Abed Al-Rhim Farid	Deputy Mayor, Ranties
Mr. Nedal Salem	Mayor, Al-Leban
Mr. Elias Saleh Azar	Mayor, Aboud
Mr. Odeh Samara	Mayor, Bait Aour Al-Foka
Mr. Fahed Hassan Awad	Mayor, Al-Tahta
Mr. Rajeh As'ad Falanah	Mayor, Safa
Mr. Ahmméd Essa Yassin	Mayor, Baleen
Mr. Mumon Ibrahim Samarah	Mayor, Der Bazeea
Mr. Mohmoud Ibrahim Nassar	Mayor, Kofur Neamah
Mr. Faruh Mohammad Hassan Yousef	Mayor, Kober
Mr. Sayel A. Hannoun	Mayor, Al-Mazraa Al-Kebleah
Mr. Ali Hussein Ali	Mayor, Abu Shkhaidem
Mr. Mohamad Salameh	Mayor, Anata
Mr. Saéid Hashem Qayan	Mayor, Bait Doquo
Mr. Ahmed Jubran	Mayor, Bait Ejza
Mr. Khalil Hilal Al-Jamal	Mayor, Bait Souriek
Mr. Mohammed Sleem	Mayor, Bait Exa
Mr. Hussni Barakat	Mayor, Al-Nabi Samweel
Mr. Najeh Taher Ashkar	Mayor, Beir Nabala
Mr. Raed Al-Brghouty	Mayor, Al-Ram
Mr. Zuhdi Shaheen	Mayor, Al-Sawahreh Al-Sharqeah
Mr. Kamal Ewisat	Mayor, Al-Shaikh Saed
Mr. Durgham Abdulaziz	Mayor, Al-Zuayem
Mr. Moh'd Ismail Moh'd Hamidet	Mayor, Bait Anan
Mr. Yousef Ali Alan	Mayor, Al-Jeeb
Mr. Yusef Ibrahim Moh'd Al-Faqieh	Mayor, Katanh
Mr. Sudai Amin Said	Mayor, Al-Kpaba
Mr. Tarairah Ali	Mayor, Bani Noaim
Mr. Abd Al-Qader Abu Hammad	Mayor, Al-Samoua
Mr. Mohamed Fahmi Shaladah	Mayor, Saeer
Mr. Yousef Hassan Al-Halaika	Mayor, Al-Sheukh
Mr. Al-Sabbar Ratib	Mayor, Al-Dahreyah
Mr. Jamal Tomaizy	Mayor, Eznaa
Mr. Mohammad Kbed Al-Rahman Marafreh	Mayor, Tarkoumeah
Mr. Moh'ed Salem Alheh	Mayor, Sureif
Mr. Mohamd M. Aure	Mayor, Bait Awa
Mr. Bashar Majed Bani O'deh	Mayor, Tammoun



## List of Party concerned in the Recipient Country

(4/4)

Name / Organization	Position
Mr. Ziyad Adel Ziyab Drawshi	Mayor, Al-Farah
Mr. Fathi Khdarat	Mayor, Bardala
Mr. Mostafa Foqha	Mayor, Ean Al-Baida
Mr. Essat Ganam	Mayor, Aquaba
Mr. Wajeeh Dabah	Mayor, Tayaseer
Mr. Ibrahim Assi	Mayor, Qurawet Bani Hassan
Mr. Esmael Shker	Mayor, Al-Zaweah
Mr. Ahmad Ismaeel Odeh	Mayor, Der Balout
Mr. Tayseer Taher Said	Mayor, Kofur Al-Deek
Mr. Nafiyh Mansour	Mayor, Dier Estia
Mr. Ahmed Quishawe	Mayor, Kefel Hares
Mr. Mohammed Tawfia Aboelrob	Mayor, Jalboun
Mr. Ezat Mohammad Zakameh	Mayor, Der Ghazaleh
Mr. Ahmad Mostafa	Mayor, Arabbouneh
Mr. Wahid Barham	Mayor, Serees
Mr. Rushdi Jarrar	Mayor, Al-Jdaydeh
Mr. Anwar Izzalein	Mayor, Arrabeh
Mr. Nedal Abu Baker	Mayor, Yaabad
Mr. Mohamed Saleh Hassan Melhim	Mayor, Kofur Rae
Mr. Fawzi Raja Nawasrah	Mayor, Fahmeh
Mr. Satam Said Adamuice	Mayor, Al-Moghayer
Mr. Nafez Mousa Al-Haj	Mayor, Jalkamous
Mr. Nafie Abdel Kurim	Mayor, Om Al-Tout
Mr. Mohamad Al-Bzoom	Mayor, Al-Matalleh
Mr. Talql Arif Hassin	Mayor, Etenek
Mr. Rabah Rushdi Yassien	Mayor, Aneen
Mr. Ibrahim M. Jaradat	Mayor, Zbouba
Mr. Khalil Salameh	Mayor, Jabaa
Mr. Mohammad Mari Abu Farha	Mayor, Al-Jalameh
Mr. Saleh Abedel Karim Nazal	Mayor, Araneh
Mr. Aref Mohammad Attaiah	Mayor, Anzeh
Mr. Hakam Taleb Rashid	Mayor, Ajjeh
JICA Office to Palestinian Authority	
Mr. Shigeru Okamoto	Resident Representative
Embassy of Japan	
Mr. Katsuyoshi Hayashi	Councilor
Mr. Kohei Sato	Second Secretary
Mr. Susumu Yoshida	Adviser to Ambassador

**Appendix-4      Minutes of Discussion**

- (1)      Minutes of Discussions Signed on June 29, 1998**



**MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY  
ON THE PROJECT FOR IMPROVEMENT  
OF WASTE DISPOSAL EQUIPMENT  
IN THE PLESTINIAN INTERIM SELF-GOVERNMENT AUTHORITY**

In response to the request from the Palestinian Interim Self-Government Authority (hereinafter referred to as "PA"), the Government of Japan (hereinafter referred to as "GOJ") decided to conduct a Basic Design Study for the Project for Improvement of Waste Disposal Equipment (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as JICA).


JICA sent to the PA a study team (hereinafter referred to as "the Team"), which was headed by Mr. Shokichi Sakata, First Project Study Division, Grant Aid Project Study Department, JICA and was scheduled to stay in the PA from 15 to 26 June 1998.

The Team held discussions with the officials concerned of the PA and conducted a field survey at the study areas.

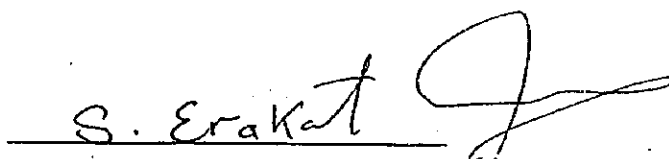
In the course of the discussions and field survey, the authorities concerned of the PA and the Team confirmed the main items described in the attached sheets. The Team will proceed to further studies and prepare a Basic Design Study report.

Jericho, June 29, 1998

(Witness)



Mr. Yutaka Kawashima  
Ambassador of Japan




Dr. Sa'eb Erakat  
Minister, Ministry of Local Government

(Witness)



Mr. Hiroshi Abe  
Chief Consultant  
For Shokichi Sakata, Team Leader  
Basic Design Study Team



Mr. Waleed A. Siam  
Director General of International Cooperation  
Ministry of Planning and International Cooperation

## ATTACHMENT

### 1. Objective

The objective of the Project is to improve the environmental condition of West Bank by procuring waste management equipment.

### 2. Project Area

The Project Areas are Municipalities/Villages in West Bank as listed in ANNEX I. Locations of the Municipalities and Villages are shown in ANNEX II. However target Municipalities/Villages and their grouping will be decided after further studies, considering efficient operation and proper management by the PA.

### 3. Executing Organization

- (1) Coordinate Organization: Ministry of Planning and International Cooperation.
- (2) Responsible Organization: Ministry of Local Government.
- (3) Implementing Organization: Each Municipality/Village listed in ANNEX I.

### 4. Items requested by the Palestinian Authority

After a series of discussions with the Team, the PA requested the items shown in Annex III. However, the final components of the Project (including the Project Areas) will be specifically decided after the completion of further studies.

### 5. Japan's Grant Aid System

- (1) The Palestinian side has understood Japan's Grant Aid system in ANNEX IV as explained by the Team.
- (2) The Palestinian side will take necessary measures described in ANNEX V for the smooth implementation of the Project, in the event the Grant Aid Assistance by the Japanese Government is extended to the Project.

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## 6. Schedule of the Study

- (1) The consultants of the Team will proceed to further studies in the PA until 21 July 1998.
- (2) JICA will prepare the draft report and dispatch a mission in order to explain its contents at the end of November 1998
- (2) In the event the contents of the draft report are accepted in principle by the PA, JICA will complete the final report and send it to the PA by the end of February 1999.

## 7. Major Points of Discussions

- (1) The followings are confirmed by both sides;

### 1) Representative of Implementing Organization

Implementing Organization of the Project shall be each Municipality/Village. However in case of providing solid waste management service by a group consisting of some Municipalities/Villages, the Representative Municipality/Village in the group shall be decided by the end of June 1998. The PA shall confirm each Representative and inform it in writing to Japanese side by the beginning of July 1998.

### 2) Disposal Sites

The PA will use the large Disposal Sites of Jenin, Tulkarem, Qalqilya, Tubas, Nablus, Salfit, Ramallah, Jericho, Bethlehem and Hebron.

### 3) Usage of Existing Disposal Sites

The existing Disposal Sites of major Municipality such as Jenin, Nablus, Salfit, Ramallah, Jericho and Hebron will be used as the Disposal Sites for the Municipalities and their surrounding area as intermediate measures. The mentioned major Municipalities shall agree to receive the solid waste of other Municipalities/Villages in their surrounding area, and submit the letter to the Ministry of Local Government, which will send it to Japanese side, by the beginning of July.

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Hebron Municipality will submit the agreement document for using the Disposal Site, and Nablus and Salfit Municipalities will submit guarantee documents for using the Disposal Sites, to the Ministry of Local Government, which will send to Japanese side by 20 July 1998.

Bethlehem and Qalqilya will continue using the existing Disposal Sites. And the disposal sites will be used by their surrounding areas.

#### 4) Construction of new Disposal Site in Tulkarem and Tubas

The Palestinian side will construct the planned Disposal Sites in Tulkarem and Tubas Municipalities by the commencement of the Project. These new Disposal Sites will be used for other surrounding Municipalities/Villages than Tulkarem and Tubas Municipalities.

#### 5) Improvement of the Existing Disposal Site

The Palestinian side will improve the existing Disposal Site managed by Municipalities of Jenin, Nablus, Salfit, Ramallah, Jericho and Hebron. The required improvement consists at least of fencing around the site, executing cover soil and preventing out-flowing of solid waste to outside of the disposal sites. And new construction Disposal Sites in Tulkarem and Tubas will be also arranged with fencing and covering soil by Palestinian side.

#### 6) Usage of Existing Workshops

The existing Workshops in Nablus and Jericho shall serve the maintenance of equipment for other Municipalities/Villages located near Nablus/Jericho. And Palestinian side shall submit the certificate to Japanese side in writing showing that the Municipalities of Nablus and Jericho agreed for the above, by the beginning of July 1998.

#### 7) Construction of new Workshops

The planned Workshops to construct in Ramallah, Hebron, Jenin and Bethlehem shall be completed by the commencement of the Project. And the workshops serve the

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maintenance of equipment for other Municipalities/Villages other than Ramallah, Hebron, Jenin and Bethlehem.

8) Spare Parts Storages

Mentioned workshops (existing and new) shall have spare parts storages for the procured equipment.

(2) Palestinian side confirmed to take following measures until commencement of the Project.

- 1) To prepare garages in each Municipality/Village for the procured equipment.
- 2) To complete the construction of the workshops.
- 3) To complete the improvement/construction of the Disposal Sites.
- 4) To prepare necessary budget for operation and maintenance.
- 5) To employ necessary drivers and workers for the Project.

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ANNEX I

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## Project Area

(1/4)

Project Group No.	Municipality/Village
1	1 Baka Al-Shrqeah
	2 Nazlet Essa
2	3 Der Al-Ghosoun
	4 Al-Jarousheah
3	5 Sida
	6 Ellar
4	7 Ateel
	8 Zita
5	9 Kofur Zebaad
	10 Kofur Jammal
	11 Kofur Abbous
6	12 Shofeh
	13 Faroun
	14 Safareen
7	15 Roujeeb
	16 Der Al-Hatab
8	17 Bait Dajan
	18 Azmout
	19 Salim
9	20 Yaseed
	21 Bait Emmureen
	22 Nusf Jbail
	23 Sabastea
10	24 Borqa
	25 Bezareah
11	26 Fasayel
12	27 Al-Jiftlek
13	28 Marge Ghazal
14	29 Marge Najeh
15	30 Al-Zobaidat
16	31 Eain Al-Duke
	32 Al-Ouja
17	33 Al-Obaydya
18	34 Dar Salah
	35 Al-Shawawreh
	36 Ras Al-Wad
19	37 Hosan
	38 Batier
20	39 Al-Masara
	40 Marah Rabah
	41 Om Salmouch
	42 Jouret Al-Shamma
	43 Waid Rabal

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## Project Area

(2/4)

Project Group No.	Municipality/Village
21	44 Bait Tamer
	45 Braidaah
	46 Hindaza
22	47 Al-Walajeh
	48 Eain Al-Jowaiza
23	49 Tekoa
24	50 Bait Fajar
25	51 Wadi Fokeen
	52 Nahaloen
26	53 Kofur Laquef
	54 Baquet Al-Hatab
	55 Hajeh
	56 Jeet
	57 Emmateen
	58 Farata
27	59 Kofur Thuluth
28	60 Jensafout
	61 Al-Fondok
29	62 Ras Ateah
	63 Ras Al-Tiereh
	64 Al-Kheameh
	65 Ezbet Jaloud
	66 Al-Ashquer
	67 Al-Mdawer
30	68 Kofur Qudoom
31	69 Habla
32	70 Ezbet Al-Tabeeb
	71 Asaleh
	72 Al-Nabee Eleas
	73 Jayos
	74 Falamea
	75 Soer
33	76 Bait Laqeah
	77 Bait Sira
34	78 Naleen
	79 Al-Media
	80 Der Qudees
35	81 Qubeah
	82 Bodrus
	83 Shoqba
36	84 Banizaid Al-Sharqeah
37	85 Ranties
	86 Alleban
	87 Aboud
38	88 Bait Aour Al-Foka
	89 Al-Tahta
	90 Safa

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### Project Area

(3/4)

Project Group No.	Municipality/Village
39	91 Baleen
	92 Der Bazoca
	93 Kofur Neamah
40	94 Kober
	95 Al-Mazraa Al-Kebleah
	96 Abu Shkhaidem
41	97 Anata
42	98 Bait Doquo
	99 Bait Ejza
43	100 Bait Sourick
	101 Bait Exa
	102 Al-Nabi Samweel
44	103 Beir Nabala
45	104 Al-Ram
46	105 Al-Sawahreh Al-Sharqeah
	106 Al-Shaikh Saed
47	107 Al-Zuayem
48	108 Bait Anan
	109 Al-Jeeb
49	110 Kafanh
	111 Al-Kpaba
50	112 Bani Noaim
51	113 Al-Samoua
52	114 Saecr
	115 Al-Sheukh
53	116 Al-Dahreyah
54	117 Yatta
55	118 Doura
56	119 Ezma
57	120 Tarkoumeah
58	121 Sureif
59	122 Bait Awa
60	123 Tammoun
	124 Al-Farah
61	125 Bardala
	126 Ean Al-Baida
62	127 Aquaba
63	128 Tayaseer
64	129 Toubas
65	130 Qurawet Bani Hassan
	131 Al Zaweah
66	132 Der Balout
	133 Kofur Al-Deek
67	134 Dier Estia
	135 Kefel Hares

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### Project Area

(4/4)

Project Group No.	Municipality/Village
68	136 Jalboun
69	137 Der Ghazaleh
	138 Arabbounch
70	139 Serees
71	140 Al-Jdaydeh
72	141 Arrabeh
73	142 Yaabad
74	143 Kofur Raae
	144 Fahmeh
	145 Al-Rameh
75	146 Al-Moghayer
	147 Jalkamous
	148 Om Al-Tout
	149 Al-Matalleh
76	150 Etenek
	151 Aneen
	152 Zbouba
77	153 Jabaa
78	154 Al-Jalameh
	155 Araneh
	156 Al-Dabea
79	157 Anzeh
	158 Ajjeh
	159 Al-Zaweah

**Note:**

Project Area grouping will be arranged in the further study, in order to keep an appropriate size for the collection equipment.

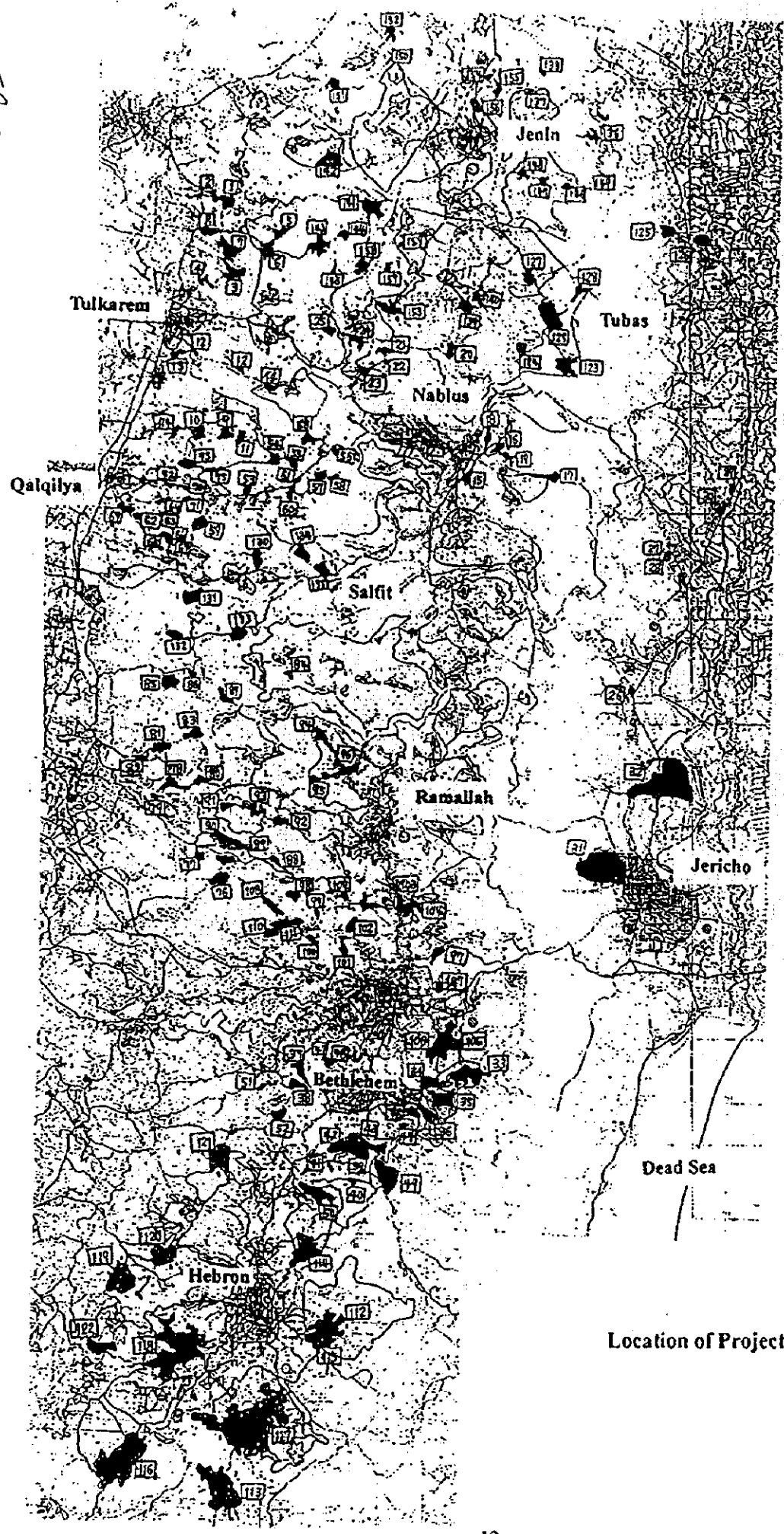
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ANNEX II

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Location of Project Area

ANNEX III

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### Request Items for Solid Waste Collection

(1/4)

Project Group No.	Municipality/Village	Request Items		
		12m3 Compactor	1.1m3 Container	Tractor with Trailer
1	1 Baka Al-Shrqeah	1	60	
	2 Nazlet Essa			
2	3 Der Al-Ghosoun	1	100	
	4 Al-Jarousheah			
3	5 Sida	1	100	
	6 Ellar			
4	7 Ateel	1	50	
	8 Zita			
5	9 Kofur Zebaad	1	60	
	10 Kofur Jammal			
	11 Kofur Abbous			
6	12 Shofeh	1	60	
	13 Faroun			
	14 Safareen			
7	15 Roujeeb	1	100	
	16 Der Al-Hatab			
8	17 Bait Dajan	1	100	
	18 Azmout			
	19 Salim			
9	20 Yaseed	1	60	
	21 Bait Emmreen			
	22 Nusf Jbail			
	23 Sabastea			
10	24 Borqa	1	40	
	25 Bezareah			
11	26 Fasayel			1
12	27 Al-Jiflek			1
13	28 Marge Ghazal			1
14	29 Marge Najeh			1
15	30 Al-Zobaidat			1
16	31 Eain Al-Duke	1	50	
	32 Al-Ouja			
17	33 Al-Obaydya	1	50	
18	34 Dar Salah	1	60	
	35 Al-Shawawreh			
	36 Ras Al-Wad			
19	37 Hosan	1	60	
	38 Batier			
20	39 Al-Masara	1	60	
	40 Marah Rabah			
	41 Om Salmouch			
	42 Jouret Al-Shamma			
	43 Waid Rahal			

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### Request Items for Solid Waste Collection

(2/4)

Project Group No.	Municipality/Village	Request Items		
		12m3 Compactor	1.1m3 Container	Tractor with Trailer
21	44 Bait Tamer	1	60	
	45 Braidaah			
	46 Hindaza			
22	47 Al-Walajeh	1	50	
	48 Eain Al-Jowaiza			
23	49 Tekoa	1	25	
24	50 Bait Fajar	1	30	
25	51 Wadi Fokoen	1	40	
	52 Nahaleen			
26	53 Kofur Laquef	1	60	
	54 Baquet Al-Hatab			
	55 Hajeh			
	56 Ject			
	57 Emmateen			
	58 Farata			
27	59 Kofur Thuluth	1	50	
28	60 Jensafout	1	40	
	61 Al-Fondok			
29	62 Ras Ateah	1	50	
	63 Ras Al-Tierch			
	64 Al-Kheameh			
	65 Ezbet Jaloud			
	66 Al-Ashquer			
	67 Al-Mdawer			
30	68 Kofur Qudoom	1	30	
31	69 Habla	1	30	
32	70 Ezbet Al-Tabeeb	1	50	
	71 Asaleh			
	72 Al-Nabee Eleas			
	73 Jayos			
	74 Falamea			
	75 Seer			
33	76 Bait Laqeah	1	50	
	77 Bait Sira			
34	78 Naleen	1	60	
	79 Al-Media			
	80 Der Qudees			
35	81 Qubeah	1	60	
	82 Bodrus			
	83 Shogba			
36	84 Banizaid Al-Sharqeah		1	1
37	85 Ranties	1	60	
	86 Alleban			
	87 Aboud			

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### Request Items for Solid Waste Collection

(3/4)

Project Group No.	Municipality/Village	Request Items		
		12m3 Compactor	1.1m3 Container	Tractor with Trailer
38	88 Bait Aour Al-Foka	1	60	
	89 Al-Tahta			
	90 Safa			
39	91 Baleen	1	60	
	92 Der Bazeca			
	93 Kofur Neamah			
40	94 Kober	1	60	
	95 Al-Mazraa Al-Kebleah			
	96 Abu Shkhaidem			
41	97 Anata	1	50	
42	98 Bait Doquo	1	70	
	99 Bait Ejza			
43	100 Bait Souriek	1	70	
	101 Bait Exa			
	102 Al-Nabi Samweel			
44	103 Beir Nabala	1	50	
45	104 Al-Ram	1	50	
46	105 Al-Sawahreh Al-Sharqeah	1	60	
	106 Al-Shaikh Saed			
47	107 Al-Zuayem	1	50	
48	108 Bait Anan	1	60	
	109 Al-Jeeb			
49	110 Katanh	1	50	
	111 Al-Kpaba			
50	112 Bani Noaim	1	50	
51	113 Al-Samoua	1	50	
52	114 Saer	1	50	
	115 Al-Sheukh			
53	116 Al-Dahreyah	1	50	
54	117 Yatta	1	100	
55	118 Doura	1	30	
56	119 Ezna	1	30	
57	120 Tarkoumeah	1	30	
58	121 Sureif	1	30	
59	122 Bait Awa	1	30	
60	123 Tammoun	1	50	
	124 Al-Farah			
61	125 Bardala	1	60	
	126 Ean Al-Baida			
62	127 Aquaba	1	30	
63	128 Tayaseer			1
64	129 Toubas	1	30	
65	130 Qurawet Bani Hassan	1	60	
	131 Al Zaweah			
66	132 Der Balout	1	50	
	133 Kofur Al-Deek			

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### Request Items for Solid Waste Collection

(4/4)

Project Group No.	Municipality/Village	Request Items		
		12m3 Compactor	1.1m3 Container	Tractor with Trailer
67	134 Dier Estia	1	30	
	135 Kefel Hares			
68	136 Jalboun			1
69	137 Der Ghazaleh			1
	138 Arabbounch			
70	139 Serees			1
71	140 Al-Jdaydeh			1
72	141 Arrabeh	1	50	
73	142 Yaabad	1	60	
74	143 Kofur Raae	1	60	
	144 Fahneh			
	145 Al-Rameh			
75	146 Al-Moghayer	1	80	
	147 Jalkamous			
	148 Om Al-Tout			
	149 Al-Matalleh			
76	150 Etenek	1	60	
	151 Aneen			
	152 Zbouba			
77	153 Jabaa	1	50	
78	154 Al-Jalameh	1	60	
	155 Araneh			
	156 Al-Dahea			
79	157 Anzeh	1	80	
	158 AjjeH			
	159 Al-Zaweah			
<b>Total</b>		<b>68</b>	<b>3,706</b>	<b>11</b>

*Alc* — A.G.

### Request Items for Solid Waste Disposal

Disposal Sites	Number of equipment		
	Bulldozer	Dozer Shovel	Truck
Jenin	1	1	1
Tulkarem	1	1	1
Tubas	1	1	1
Ramallah	1	1	1
Jericho	1	1	1
<b>Total</b>	<b>5</b>	<b>5</b>	<b>5</b>

*Abc - A. G*

## ANNEX IV

### 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.

#### 2. Basic Design Study

(1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter 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 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 the jurisdiction of the organization in the recipient country actually implementing the Project.

*Alc - A. G.*

Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

(2) Selection of Consultants

For 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(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study 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 and also to avoid any undue delay in implementation should the selection process be repeated.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles 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 which the Cabinet approves the Project for. Within the fiscal year, all procedures 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 the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

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.

*Alie A. G.*

- (6) Undertakings required of the Government of the Recipient Country  
In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the following:
- 1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
  - 2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
  - 3) To secure buildings prior to the procurement in case the installation of the equipment.
  - 4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
  - 5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
  - 6) 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.
- (7) "Proper Use"  
The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.
- (8) "Re-export"  
The products purchased under the Grant Aid should not be re-exported from the recipient country.
- (9) Banking Arrangements (B/A)
- 1) 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 an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.
  - 2) 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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## ANNEX V

Necessary measures to be taken by the PA on condition that Japan's Grant Aid is executed;

1. To arrange/construct the Final Disposal Sites and Workshop, prior to the procurement of the equipment.
2. To support prompt execution of customs of the products purchased under the Grand Aid.
3. To exempt Japanese nationals from customs duties, internal taxes and other fiscal lives which will be imposed in the recipient country with respect to the products and services under the verified contract.
4. To accord Japanese nationals, whose services may be required in connection with the supply of products and the services under the verified contracts, such facilities as may be necessary for their entry into the Palestinian Authority and stay therein for the execution of the Project.
5. The PA is required to maintain and use the equipment procured under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grand Aid.
6. The products purchased under the Grant Aid should not be re-exported from the PA.
7. To bear advising commission of Authorization to Pay (A/P) and payment commission to a Japanese foreign bank for the banking services based on the banking arrangement.

*Be A.G*

**(2) Minutes of Discussions Signed on October 29, 1998**



## MINUTES OF DISCUSSIONS

### BASIC DESIGN STUDY ON THE PROJECT FOR IMPROVEMENT OF WASTE DISPOSAL EQUIPMENT IN THE PALESTINIAN INTERIM SELF-GOVERNMENT AUTHORITY (CONSULTATION ON DRAFT REPORT)

In June 1998, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study team on the Project for Improvement of Waste Disposal Equipment (hereinafter referred to as "the Project") to the Palestinian Interim Self-Government Authority (hereinafter referred to as "the PA"), and through discussions, field survey and technical examination in Japan, has prepared the draft report of the study.

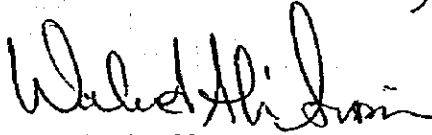
In order to explain and consult the Palestinian side on the components of the draft report, JICA sent to the PA a study team (hereinafter referred to as "the Team"), which is headed by Miss Masami Oishi, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, with a schedule to stay in the PA from 18 to 31 October, 1998

As a result of the discussion, both parties confirmed the main items described on the attached sheet.

Jericho, October 29, 1998

Miss Masami Oishi  
Leader  
Basic Design Study Team,  
Japan International Cooperation  
Agency (JICA)

Mr. Ahamed Ghnaim  
Deputy Assistant  
Ministry of Local Government

  
Mr. Waleed A Siam  
Director General  
International Cooperation,  
Ministry of Planning and  
International Cooperation(MOPIC)

## ATTACHMENT

### 1. Components of the Draft Report

The PA has agreed and accepted in principle the components of the draft report prepared by the Team.

### 2. Japan's Grant Aid System

- (1) The PA has understood Japan's Grant Aid system in ANNEX I as explained by the Team.
- (2) The PA will take necessary measures described in ANNEX II for the smooth Implementation of the Project, in the event the Grant Aid Assistance by the Japanese Government is extended to the Project.

### 3. Further Studies

The Team will make the final report in accordance with the confirmed items, and send it to the PA by the end of January, 1999

### 4. Items of the Project

After a series of discussions with the Team, the PA understood that the final component and target area of the Project would be basically as listed in ANNEX III.

### 5. Major Points of Discussions

- (1) The both sides confirmed that all letters requested in Minutes of Discussions signed on June 29, 1998 were submitted to the Japanese side, and reconfirmed the major points as follows;
  - 1) The Project target area and mutual relation of the Service Groups (municipality / village), Disposal Sites and Workshops are as shown in ANNEX IV.
  - 2) All municipalities which own the mentioned Disposal Site, agreed to receive the solid waste from the surrounding target Service Groups.
  - 3) The municipalities of Nablus and Jericho agreed to offer the maintenance service to the Equipment procured and distributed to the surrounding Service Groups at their workshops.

(2) The followings are confirmed by the both sides as a preparation of the Project;

- 1) Ministry of Local Government (hereinafter referred to as "MOLG") will establish a steering committee for the Project to take the following measures;
  - a) To supervise the activities, which should be taken by the Service Groups, Disposal Sites and Workshop listed below and to advise these organizations for smooth preparation if it deems necessary.
  - b) To coordinate among the Service Groups, Disposal Sites and Workshops and establish the charge collection systems for maintenance and landfill, and notify them to the organizations concerned.
  - c) To submit quarterly progress report of preparation to the Embassy of Japan in Tel Aviv.
  
- 2) Each Service Group of municipalities / villages will execute the following;
  - a) To complete the construction of garage for the Equipment procured by the end of 1999.
  - b) To establish a management body for operation and maintenance of the Equipment including the agreement among the municipalities in a group.
  - c) To set up the waste management fee and notify the residents of it.
  - d) To employ necessary personnel (driver, worker and service fee collector, etc.).
  - e) To report the progress of the above-listed preparation to MOLG.
  
- 3) The Municipalities which have the responsibility over the Disposal Sites will take the following measures;
  - a) To complete the necessary construction by the end of 1999.
    - i) For Toubas and Tulkarem, Disposal Site itself including fence around it and the garage for the equipment
    - ii) For Jericho, Jenin and Ramallah, the fence and the garage.
    - iii) For Nablus, Hebron and Salfit, the fence.
  - b) To establish the operation system for basic soil covering.
    - i) For all Disposal Sites, to employ personnel necessary for it.
    - ii) For Nablus, Hebron and Salfit, in addition to above, to prepare the equipment necessary for it.
  - c) To report the progress of above-mentioned preparation to MOLG.
  
- 4) For the Workshops, the following measures will be taken;
  - a) To complete the construction of the Workshops by the end of 1999. For Ramallah workshop, in addition to above, to prepare the storehouse for spare parts procured under the Grant.

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- b) To establish the maintenance system for the procured Equipment.
- c) To report the progress of above-listed preparation to MOI.G.

(3) The PA confirmed to take the following measures at the implementation stage;

- 1) To submit quarterly report of operation to the Embassy of Japan in Tel Aviv.
- 2) To report and consult in advance to the Embassy of Japan in Tel Aviv when any organization concerned wishes to change the distribution and/or disposition of the Equipment procured under the Grant.

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## ANNEX I

### 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.

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.

#### 2. Basic Design Study

##### (1) Contents of the Study

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

- a) Confirmation of the background, objectives, 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 economical 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 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 the jurisdiction of the organization in the recipient country actually implementing the



Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

(2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) consultant firm(s).

JICA selects (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study 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 and also to avoid any undue delay in implementation should the selection process be repeated.

### 3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles 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 which the Cabinet approves the Project for. Within the fiscal year, all procedures such as Exchanging of 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 the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

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 the "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 tax payers.

(6) Undertakings required of the Government of the recipient country

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

- 1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- 2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- 3) To secure buildings prior to the procurement in case the installation of the equipment.
- 4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- 5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- 6) 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.

(7) "Proper Use"

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

(8) "Re-export"

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

(9) Banking Arrangements (B/A)

- 1) 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 an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank" ). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.
- 2) 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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## ANNEX II

Necessary measures to be taken by the PA on condition that Japan's Grant Aid is executed;

1. To arrange and to construct the Regional Disposal Sites and the Regional Workshops, prior to the procurement of the Equipment.
2. To support prompt execution of customs clearance of products purchased under the Grant Aid.
3. To exempt Japanese nationals from customs duties, internal taxes and other fiscal lives which will be imposed by the PA with respect to the products and services under the verified contract.
4. To accord Japanese nationals, whose services may be required in connection with the supply of products and the services under the verified contracts, such facilities as may be necessary for their entry into the PA and stay therein for the execution of the Project.
5. The PA is required to maintain and use the equipment procured under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid
6. The products purchased under the Grant Aid should not be re-exported from the West Bank and Gaza Strip.
7. To bear an advising commission of Authorization to Pay (A/P) and a payment commission to a Japanese foreign exchange bank for the banking services based on the banking arrangement.

ANNEX III

Components of the Project

No.	Equipment	Specifications	Unit	Quantity
I	<u>Collection equipment:</u>			
I-1	Compactor truck	12 m <sup>3</sup> class	1 no.	7
I-2	Compactor truck	8 m <sup>3</sup> class	1 no.	30
I-3	Compactor truck	5 m <sup>3</sup> class	1 no.	38
I-4	Container	1.1 m <sup>3</sup> for use with compactor truck	1 no.	1,545
I-5	Container	0.6 m <sup>3</sup> for use with compactor truck	1 no.	1,892
II	<u>Disposal site equipment:</u>			
II-1	Bulldozer	165 HP class	1 no.	2
II-2	Backhoe	0.8 m <sup>3</sup> class	1 no.	2
II-3	Truck-loader	120 HP, 1.8 m <sup>3</sup>	1 no.	3
II-4	Dump truck	5 m <sup>3</sup> , 8 ton class	1 no.	2
III	Spare parts		1 set	1

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Serial No	Collection Equipment:				Compactor Truck			
	Municipality & Village	Waste Volume (cu yd)	Vehicle Type	Serial No	Municipality & Village	Waste Volume (cu yd)	Vehicle Type	Serial No
1	1. Baka Al-Sharqiah			20	40 Marah Rahmah			34
2	2. Maflet Tava	6.07 28	1		41 Om Shinnuneh			35
3	3. Dar Al-Khawan				42 Jassas Al-Shimran			36
4	4. Al-Jayash	6.24 18	1		43 Wadi Rabal			37
5	5. Sidn				160 Wadi Al-Nase			38
6	6. Illar	6.70 29	1		161 Mann Marfah			39
7	7. Atoel				162 Khaled Al-Hadith	4.63 30	1	40
8	8. Zila	8.56 23	1		44 Bait Tanor			41
9	9. Kofur Zahand				45 Al-Prasidiyafindaza	3.12 18	1	42
10	10. Kofur Jammal				49 Telkon	5.64 24	1	43
11	11. Kofur Abbous	3.58 13	1		50 Bait Fajar	6.84 35	1	44
12	12. Shagah				51 Wadi Fokoon			45
13	13. Ymroun				52 Nahaloun	4.77 31	1	46
14	14. Siraadin	3.52 8	1		53 Kofur Lajouf			47
15	15. Ranaqah	3.95 6	1		54 Baqat Al-Harab			48
16	16. Dar Al-Harab				55 Finjah			49
17	17. Bait Dejan				56 Jout			50
18	18. Armodi	7.28 7	1		57 Emmecon	6.50 16	1	51
19	19. Salim				58 Faraie			52
20	20. Ymaod				59 Kofur Thulath	2.65 8	1	53
21	21. Bait Ymroun				60 Jemafout			54
22	22. Naaf Jball				61 Al-Fouk			55
23	23. Sabarja	6.79 19	1		68 Kofur Qutoum			56
24	24. Bocrin				62 Raa Al-Gh			57
25	25. Bozarubi	3.95 30	1		63 Raa Al-Fidrah			58
26	26. Raayad				64 Al-Khamrah			59
27	27. Al-Jilok				65 Ezbai Jafoud			60
28	28. Margo Ghazal				66 Al-Ashqur			61
29	29. Margo Najah				67 Al-Mahver			62
30	30. Al-Zahaid	3.87 47	1		69 Hable	5.68 14	1	63
31	31. Ein Al-Duko				70 Farbat Al-Zabeh			64
32	32. Al-Ouj	3.57 22	1		71 Amalib			65
33	33. Al-Oshayh	6.69 10	1		72 Al-Nabaa Ulaas			66
34	34. Dar Sulah				73 Jnyon			67
35	35. Al-Shawrah				74 Palamen			68
36	36. Raa Al-Wad	5.63 16	1		75 Soor	4.34 10	1	69
37	37. Hoom				76 Bait Lamnah			70
38	38. Baiter				77 Bait Sira	6.55 29	1	71
39	39. Al-Maara	7.27 26	1		78 Nalcan			72
40					79 Al-Media			73
Total								
						490.26		38 30 7

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Quantity of Container

Collection Equipment:

Group No	Municipality & Village	Waste Quant (kg)	Type & Quantity	Group No	Municipality & Village	Waste Quant (kg)	Type & Quantity	Group No	Municipality & Village	Waste Quant (kg)	Type & Quantity
1	1. Baka Al-Shaqrah	6.07	20	34	80 Dar Qadous	4.85	51	57	120 Tarfounmah	9.04	54
2	2. Nazlet Ewan	6.07	37	35	81 Qubbeh			58	121 Susuf	8.24	50
3	3. Dar Al-Chanoun	6.24	66	36	82 Boudja	6.51	39	59	122 Bait Awla	5.84	35
4	4. Al-Jamoubeah	6.24	40	37	83 Shouba			60	123 Tamroun		69
5	5. Side	6.70	51	38	84 Banzaid Al-Ferhah	3.72	45	61,63	124 Al-Farah	11.52	
6	6. Hiller	8.56	51	39	85 Ronicis			62	125 Banebla		33
7	7. Ahsal	8.56	37	40	86 Al-Ichaa	4.28	60	64	126 Yam Al-Baida	3.16	40
8	8. Zila	8.56	41	41	87 Aboud			65	127 Aquaba	3.80	37
9	9. Kofur Zohael	3.12	33	42	88 Bait Awar Al-Fakr			66	128 Tamroun	12.82	
10	10. Kofur Inamal	3.64	0	43	89 Al-Tabla	5.67	49	67	129 Toubah		59
11	11. Kofur Abbous	3.58	34	44	90 Safa			68,69	130 Quesaid Bani Idriss	5.56	
12	12. Shokh		50	45	91 Baboon			70,71	131 Al-Zawrah		58
13	13. Pireun	3.52	37	46	92 Dar Daroua	4.66	64	72	132 Dar Rabou	5.50	46
14	14. Salareen	3.93	41	47	93 Kofur Norimah			73	133 Kofur Al-Deek		32
15	15. Royfoob	3.93	41	48	94 Kober			74	134 Dier Ertia	4.41	
16	16. Dar Al-Hatib	7.28	77	49	95 Al-Mazraa Al-Koblah	5.90	62	75	135 Kofol Haren		43
17	17. Bait Djan		41	50	96 Abu Shkharidom	6.04	64	76	136 Jalbeun		58
18	18. Azmout		77	51	97 Anata			77	137 Der Ghazalah	3.03	46
19	19. Salim	7.28	77	52	98 Bait Dougo	7.49	60	78	138 Avabourah		32
20	20. Yousouf		41	53	99 Bait Eja			79	139 Soroca	7.22	67
21	21. Bait Emroun		41	54	100 Bait Sourek			80	140 Al-Dekeh	6.37	55
22	22. Nurf Bait	6.79	41	55	101 Bait Eka			81	141 Arrabeh	9.19	
23	23. Sahouen		41	56	102 Al-Nabi Semweel	3.56	37	82	142 Yaabed		50
24	24. Bouga	3.95	42	57	103 Bour Nahala	4.92	60	83	143 Kofur Bous		38
25	25. Bazamrah		42	58	104 Al-Ram	27.45	60	84	144 Falmoh	8.37	
26	26. Fasal		42	59	105 Al-Sawhech Al-Sharpeah			85	145 Al-Ramoh		47
27	27. Al-Jiliek		42	60	106 Al-Naith Shad	12.13	73	86	146 Al-Mouhayer		58
28	28. Mergo Ghazal		41	61	107 Al-Zayoun			87	147 Jallamou		70
29	29. Mergo Najoh	3.87	41	62	108 Bait Anan	5.63	60	88	148 Om Al-Tad	3.61	58
30	30. Al-Zohaidat		41	63	109 Al-Gech			89	149 Al-Moutidch		70
31	31. Faim Al-Duke	3.57	38	64	110 Karrah	6.02	36	90	150 Brouk		47
32	32. Al-Daja	6.69	70	65	111 Al-Kasba	11.60	70	91	151 Anoon	4.43	58
33	33. Al-Chaykya		41	66	112 Bani Nemim			92	152 Zouche	5.55	70
34	34. Dar Sahal		41	67	113 Al-Zayoun	11.05	66	93	153 Jaba		53
35	35. Al-Shawwech	5.63	59	68	109 Al-Gech			94	154 Al-Jalamoh		53
36	36. Ras Al-Wed		59	69	114 Soud	12.66	76	95	155 Anweh	6.62	70
37	37. Houn	7.27	44	70	115 Al-Naith	22.43	135	96	156 Al-Dekha		53
38	38. Baiter		44	71	116 Al-Dalwayah	33.67	202	97	157 Anweh		53
39	39. Al-Maara		44	72	117 Yatta	16.88	2	98	158 Ajjah	5.01	53
40	40. Al-Maara		44	73	118 Doum	11.57	70	99	159 Al-Zawrah		53
					119 Doum				Total	490.26	1,892
										1,545	

M.D.

S.E.

Annex IV Regional Workshop and Disposal Site Utilized by the Target Municipality/Village

Group No.	Municipality/Village	WS & DS	Group No.	Municipality/Village	WS & DS	Group No.	Municipality/Village	WS & DS	Group No.	Municipality/Village	WS & DS
1	* 1 Haka Al-Shraqeh	Jenin WS	20	40 Marah Rahab	Beitlehem WS	34	80 Der Quaces	Ramallah WS	57	* 120 Iorkameah	WS & DS
2	* 2 Nuzlet Issa	Tulkarem DS		* 41 Om Saimourzeh	WS	35	* 81 Qubeah	WS	58	* 121 Suret	WS & DS
3	* 3 Der Al-Ghosein	DS		* 42 Jouret Al-Shamma	Azaria DS		82 Bodrus	Ramallah WS	59	* 122 Beit Awla	Nablus WS
4	* 4 Al-Jarousheeh			43 Ward Rahab		36	* 83 Shogba	WS	60	* 123 Tamoun	Nablus WS
5	* 5 Sida			160 Wadi Al-Nas		37	* 84 Hamzaid Al-Gharbiyah		61,63	124 Al-Narah	Toubas DS
6	* 6 Hilar			161 Marah Manlah			* 85 Ranties			125 Bardala	
7	* 7 Ateel		21,22	162 Khatet Al-Indath			86 Al-Jaban			126 Ean Al-Baidh	
8	* 8 Zita			44 Beit Tamir		38	* 87 Aboud		62	* 128 Tayusec	
9	* 9 Kollar Zehad		23	45,46 Brudaneh/Jindazn			88 Beit Aour Al-Foka		64	* 127 Aquaba	
10	* 10 Kollar Jimnal		24	* 49 Tekoa			* 89 Al-Tahta		65	* 129 Toubas	
11	* 11 Kollar Abbas		25	50 Beit Pajar			90 Sufa			* 130 Ourwet Bani Hassan	Ramallah WS
12	* 12 Shofeh		26	51 Wadi Fokeen	Nablus WS	39	91 Bateen		66	* 131 Al-Zaweah	WS
13	* 13 Faroun			52 Nabloun		40	* 92 Der Bazoua			* 132 Der Balout	Salbit DS
14	* 14 Safareen	Nablus WS		53 Kollar Laquet			* 93 Kollar Neumah			* 133 Kofur Al-Deek	
15	* 15 Roujereb			54 Bouquet Al-Harab	Asoun DS		94 Kober			* 134 Dier Estia	
16	* 16 Der Al-Harab			* 55 Hujeh			* 95 Al-Mazraa Al-Kobleah			* 135 Keifal Hares	
17	* 17 Beit Dejan			56 Jeel		41	* 96 Abu Shkhandem		68,69	* 136 Jalbonn	Jenin WS
18	* 18 Azmout	Nablus DS		57 Emnateen		42	* 97 Anata	Ramallah WS		137 Der Gaszaleh	
19	* 19 Salim			58 Furata		43	* 98 Beit Doquo	WS	70,71	138 Arabbounneh	Jenin DS
20	* 20 Yaseed		27	59 Kollar Thuluth			* 99 Beit Ejza			139 Serces	
21	* 21 Beit Emharem		28,30	60 Jensefouf			* 100 Beit Sourmek	Azaria DS		* 140 Al-Jarweh	
22	* 22 Nust Jbail			61 Al-Pondok		44	101 Beit Eka		72	* 141 Arabeeh	
23	* 23 Sabastea			62 Rus Atneh		45	* 102 Al-Nabi Saunweel		73	* 142 Yaabod	
24	* 24 Porqa		29,31	63 Kollar Qadom		46,47	* 103 Heir Nabeila		74	* 143 Kofur Reaa	
25	* 25 Bezraaneh			64 Ras Al-Tereh			* 104 Al-Ram			144 Fahneh	
26	* 26 Pasnyel	Jericho WS		65 Ezbet Jalood			* 105 Al-Sawahreh Al-Sharqeeh		75	* 145 Al-Rameh	
27	* 27 Al-fitek			66 Al-Ashquer		48	106 Al-Shaikh Saeed			146 Al-Mogzaver	
28	* 28 Marge Ghuzal	Jericho DS		67 Al-Mdawer			107 Al-Zuayem			147 Jalzamous	
29	* 29 Marge Nujeh			* 69 Habla		49	* 108 Beit Apan			148 Om Al-Lout	
30	* 30 Al-Zobaidat			70 Ezbet Al-Jabeeh			* 109 Al-Jeeb			149 Al-Matalfeh	
31	* 31 Eain Al-Duke		32	71 Asaleh			* 110 Katanh		76	* 150 Eterek	
32	* 32 Al-Oujin			72 Al-Nabeeh Elias			* 111 Al-Kpaba			* 151 Anoon	
33	* 33 Al-Obaydu	Beitlehem WS		73 Jayos		50	* 112 Bani Noorm	Hebron WS		152 Zoubou	
34	* 34 Dair Salih			74 Palmanen		51	* 113 Al-Samoun	WS	77	* 153 Jabaa	
35	* 35 Al-Shawawreh			75 Soor		52	* 114 Saecr	Hebron DS	78	154 Al-Jalameh	
36	* 36 Ras Al-Wad	Azaria DS		76 Beit Laqeah	Ramallah WS	53	* 115 Al-Shoukh			155 Araneh	
37	* 37 Hosen		33	77 Beit Siru	WS	54	* 116 Al-Dahreyah			156 Al-Jarba	
38	* 38 Baiter			78 Naleen	Ramallah DS	55	* 117 Yatta		79	* 157 Anzeeh	
39	* 39 Al-Masoun		34	79 Al-Media	Ramallah DS	56	* 118 Doura			* 158 Ajeeh	
40	* 40 Al-Walajah/Eain Al-Jawaiza						* 119 Eznaa			159 Al-Zaweah	

\* Representative municipality/village

WS Regional workshop

DS Regional disposal site