

11. 面会者リスト

9月25日 (水)

1. JICA事務所 (Tel: 2-839-3081, Fax: 2-816-4222)

宿野部 雅美 (しゅくのべ まさみ) 氏、 JICA事務所業務班長

中澤 哉 (なかざわ はじめ) 氏、 JICA事務所業務班

蟹江 和則 (かにえ かずのり) 氏、 JICA専門家 (MMDA)

9月26日 (木)

1. 日本大使館 (Tel: 2-895-9050, Fax: 2-895-9040, 2-895-1042)

依田 紀彦 (よた のりひこ) 氏、一等書記官

宿野部 雅美氏、

中澤 哉氏、

蟹江 和則 氏、

2. MMDA (Tel: 2-815-6020, Fax: 2-815-6193)

Mr. Prospero I. ORETA, Chairman of MMDA: MMDA

Mr. Rogelio U. URANZA, Head Infra Planning & Dev't Group,

Solid Waste Management Task Force: MMDA

Ms. Elsie I. ENCARNACION, Planning Officer, Infra Planning & Dev't Group,

Solid Waste Management Task Force: MMDA (蟹江氏のカウンター・パート)

Ms. Maria Theresa R. MILLAN, Project Management Office: MMDA (蟹江氏の
カウンター・パート)

蟹江 和則 氏、

3. DENR (Tel: 2-983-3771, 2-927-0224, Fax: 2-924-7540, 2-975-698)

Mr. Albert Altarejos MAGALANG, Head Project Management Office,
Presidential Task Force on Waste Management: DENR, Environmental
Management Bureau

Ms. Elsie I. ENCARNACION,

Ms. Maria Theresa R. MILLAN,

蟹江 和則 氏、

9月27日 (金)

1. ローカル・コンサルタント及び NGO、MMDAにて

(ローカル・コンサルタント)

Mr. Raulinson B. DIMAYUGA, President of TEST Consultants, INC.

Mr. Danilo J. CASTILLON: TEST Consultants, Inc.

Mr. Tom HALL, Project Manager of Toxic and Hazardous Waste Management
Study, Metro Manila: ENTEC

(NGO)

Ms. Leonarda N. CAMACHO, vice-president of Metro Manila Linis-Ganda, Inc.

(MMDA)

Mr. Rogelio U. URANZA,

Ms. Elsie I. ENCARNACION,

Ms. Maria Theresa R. MILLAN,

(JICA)

宿野部 雅美氏、

中澤 哉氏、

蟹江 和則氏、

2. I/Aに関する協議

(MMDA)

Mr. Rogelio U. URANZA,

Ms. Elsie I. ENCARNACION,

Ms. Maria Theresa R. MILLAN,

Mr. Beato R. SASON, Assistant General Manager Operations

Mr. Alexander UMAGAT, Head of Operations Group of SWMTF

蟹江 和則氏、

3. 質問表への回答

(MMDA)

Mr. Rogelio U. URANZA,

Ms. Elsie I. ENCARNACION,

Ms. Maria Theresa R. MILLAN,

Mr. Beato R. SASON, Assistant General Manager Operations

Mr. Alexander UMAGAT,

蟹江 和則氏、

9月28日 (土)

1. サン・マテオ衛生埋立処分場視察

(民間委託による運営業者)

Mr. Jesus TEXON, Project Manager San Mateo, Metropolitan Environmental Service

(MMDA)

Mr. Rogelio U. URANZA,

Ms. Maria Theresa R. MILLAN,

Mr. Alexander UMAGAT,

蟹江 和則氏、

2. バヤタス オープンダンプサイト視察

(PHILSSA)

Ms. Carmel V. ABAO,
(Vincentian Missionaries Social Development Foundation, Inc.)
Mr. Rev. Norberto L. CARCELLAR, CM, Project Director
(MMDA)

Mr. Rogelio U. URANZA,
Ms. Maria Theresa R. MILLAN,
蟹江 和則 氏、

3. カトモン オープンダンプサイト視察
(MMDA)

Ms. Maria Theresa R. MILLAN,
蟹江 和則 氏、

9月30日 (月)

1. ADB (Tel: 2-632-4444, Fax: 2-632-2444)

Mr. Sermopol RATASUK, Ph.D. Senior Environment Specialist, Environment
Division, Office of Environment and Social Development
Mr. Ely Anthony R. OUANO, Environment Specialist, Office of Environment and
Social Development
Mr. Atsuhiko KIMURA, Environment Specialist, Environment Division, Office of
Environment and Social Development
依田 紀彦氏、
宿野部 雅美氏、
中澤 哉氏、
蟹江 和則 氏、

2. MMDA I/A協議

Mr. Rogelio U. URANZA,
Ms. Elsie I. ENCARNACION,
Ms. Maria Theresa R. MILLAN,
蟹江 和則 氏、

3. ENTEC 有毒・産業廃棄物処理のM/Pを請け負って作成しているコンサルタント。
(Tel 929-8789, Fax 924-9159)

Mr. Tom HALL, Project Manager of Toxic and Hazardous Waste Management
Study, Metro Manila: ENTEC
Ms. Flordeliz Y. GUARIN Ph.D, Manager- Philippine Office of Dames & Moore

10月1日 (火)

1. PIS-NEDA

Ms. C. SANTIAGO

2. マカティ市

Mr. Raul JAVIER, 市議会議員

Mr. John Y. ATILANO, 市議会議員 他公共事業課の職員

Ms. Maria Theresa R. MILLAN,

蟹江 和則 氏、

3. バサイ市ゴミ収集踏査

4. ラス・ピニャス中継基地踏査

5. カルモナ衛生埋立処分場踏査

Mr. Greg F. ALCERA, City councilor of Pasay city

Mr. Bounq Q. ANONUEVO, Legislative staff of Office of Councilor,
(Greg F. ALCERA)

Ms. Maria Theresa R. MILLAN,

蟹江 和則 氏、

10月2日 (水)

1. NHA (Tel 923-0386)

Ms. Zonia G. GALVEZ, Group Manager NCR

Ms. Maria Theresa R. MILLAN,

蟹江 和則 氏、

2. スモーキー・マウンテン跡地

Mr. Engr. Arthur CABANTAC, Director of Smoky Mountain Development and
Reclamation Project

蟹江 和則 氏、

3. NGOのトレーニング・センター踏査 (Smoky mountainのスカベンジャーの仮説住
宅で職業訓練をしている。) (Tel 252-6808)

Mr. Robert G. MANANQUIL

蟹江 和則 氏、

4. MMDA 最終打ち合わせ

蟹江 和則 氏、

10月3日 (木)

1. I/A 及び M/M 調印

Mr. Prospero I. ORETA, Chairman of MMDA: MMDA

Mr. Rogelio U. URANZA, Head Infra Planning & Dev't Group, Solid Waste

Management Task Force: MMDA

Ms. Elsie I. ENCARNACION, Planning Officer, Infra Planning & Dev't Group,

Solid Waste Management Task Force: MMDA

宿野部 雅美氏、

蟹江 和則氏、

2. TEST サン・マテオとカルモナの衛生埋立設計を請け負った民間コンサルタント (Tel 96-4835)

Mr. Raulinson B. DIMAYUGA, President of TEST Consultants, INC.

Mr. Danilo J. CASTILLON: TEST Consultants, Inc.

10月4日 (金)

1. EMB (DENR)

Ms. Amelia O. SUPETREN, O/C Assitant Director, EMB

Mr. Albert A. MAGALANG, Head, PMO-PTFWM, EMB

Mr. Rodolfo M. PAGARIGAN, Sr. Environmental Management Specialist, EMB

2. 日本大使館

3. JICA事務所

後藤 洋 所長

4. OECF事務所 (Tel 810-4826)

江島 真也 氏

10月7日 (月)

1. マニラ市 Department of Public Service (Tel 525-8302)

Mr. Chito L. NOMBRES, Civil / Sanitary Engineer, Department of Public Service, City of Manila

2. サンファン市 (Office of the Sangguiang Bayan (議員))

Mr. Hon. Rodolfo P. CHUA, Councilor, Asst. Floor Leader, Municipality of San

Juan

10月8日 (火)

1. NUTEC (トラックスケールの現地作業請負業者の候補)

2. 世界銀行 (Tel 526-9031)

Ms. Maria Bella T. BELIZARIO, Operations Officer, the World Bank

10月9日 (水)

1. Recycling Movement in the Philippines (発生源リサイクルを進める NGO) (Tel 928-8895)

Ms. Luz Escalante SABAS, President Recycling Movement of the Philippines, Foundation, Inc.

Mr. Aberardo "Abel" R. CLEMENTE, Vice President and Operation Manager,
Mr. Alex C. REYES, JR.

2. Linis Ganda Recycling Center (ゴミの再資源化を進める NGO) (Tel 725-7230)

Mr. Mauricio L. MANZANO, member of Linis Ganda
Ms. Vicenta P. ORODIO, ジャンクショップ ORODIO 経営者

10月10日 (木)

1. DPWH (Tel 527-2598)

Mr. Crescenso M. ROCAMORA, Ceso II, Project Director, Urban Road Projects Office,

DPWH

Mr. Jose E. Sta. ANA, Civil Engineer, Solid Waste Management Project Management Office,

DPWH

2. AVERY (トラックスケール業者) (Tel 711-3905)

Mr. Noel E. DIAZ, Account Officer, AVERY Philippines, Inc

10月11日(金)

1. MMDA
2. JICA事務所

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text outlines various methods for organizing and storing these records, including digital databases and physical filing systems. It also highlights the need for regular audits and reviews to ensure the integrity and accuracy of the data.

2. The second part of the document focuses on the legal and regulatory requirements that govern record-keeping. It details the specific rules and standards that apply to different industries and sectors, such as healthcare, finance, and government. The text explains how these regulations are designed to protect the privacy and security of sensitive information, as well as to ensure compliance with applicable laws. It provides a comprehensive overview of the legal framework, including references to relevant statutes and regulations.

3. The third part of the document addresses the practical challenges and best practices associated with record-keeping. It discusses the importance of training staff and ensuring that they are familiar with the organization's record-keeping policies and procedures. The text also covers the use of technology to streamline the record-keeping process, such as the implementation of cloud-based storage solutions and automated backup systems. Additionally, it provides guidance on how to handle and dispose of records in a secure and compliant manner.

4. The final part of the document concludes with a summary of the key points and a call to action. It reiterates the importance of maintaining accurate and secure records and encourages organizations to take proactive steps to ensure compliance with all applicable laws and regulations. The text also provides contact information for further assistance and resources.

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関 連 資 料

1. DENR登録者EIA実施コンサルタントリスト
現地再委託に係るローカルコンサルタント
2. 現地再委託業務にかかるコンサルタント料の見積例
3. 民間分析ラボ
4. SWMに係るNGOリスト

1. DENR登録済EIA実施コンサルタント

LIST OF CONSULTANCY FIRMS
THAT PREPARE EIA DOCUMENTS¹

ADELCON INC.

Hydro Resources System Consultants
35 Antoinette Street, Parkway Village
San Francisco Del Monte,
Quezon City, Philippines
Tel. NOS. 362-09-50
Fax No. 362-09-50

ASIA GEODYNE CORPORATION

Rm. 403 Bercion Building
1186 Quezon Avenue, Quezon City
Tel. Nos. 966-519
Fax No. (632) 966-519

ASSOCIATES IN ENVIRONMENTAL MANAGEMENT, INC.

Rm. 1202, 12 F Cityland Condominium 10
Tower II, H.V. dela Costa corner Alfaro Sts.
Makati City
Fax No. 892-6680
Tel. No. 892-6676/77

BHP ENGINEERING PHILS., INC.

6th Floor Port Royal Building
118 Rada St., Legaspi Village
Makati, Metro Manila Philippines
Tel. Nos. 817-26-67 / 817-27-15

CENTER FOR ECONOMIC POLICY RESEARCH

2nd Floor, Zeta Building
191 Salcedo Street, Legaspi Village
Makati City, Philippines
Tel. Nos. 10-43-66 to 87 / 812-04-14
Fax No. 810-34-33

CEST INC. CONSULTANTS

10/F Strata 2000 Building
Emerald Avenue, Pasig
Metro Manila, Philippines
Tel. Nos. 631-75-20 / 631-75-21
Fax No. 631030-80

¹ARRANGED IN ALPHABETICAL ORDER. PLEASE NOTE THAT ACCREDITATION OF CONSULTING FIRMS IS STILL UNDER STUDY BY THE DENR-EMB.

COFFEY MPW PTY LTD.
International Consulting Company
MPW Manila Inc. - Local Consulting Company
10th F. Strata 100 Building
Emerald Avenue, Ortigas Centre,
Pasig, Metro Manila, Philippines

COWICONSULT
Consulting Engineers and Planners A/S
Room 601, 6th Floor, Emerald Building
No. 14 Emerald Avenue, Ortigas Center
Pasig, Metro Manila, Philippines
Tel Nos. 633-39-98 / 633-40-03
Telefax No. 633-40-03

DAMES AND MOORE INTERNATIONAL, USA
V. Esquerro Building, 140 Amorsolo
Makati, Metro Manila
Philippines

ECONOMIC DEVELOPMENT FOUNDATION
6th Floor Eurasia Building
Ayala Avenue, Makati,
Metro Manila, Philippines

ECOPLAN, CO.
Environmental Planning Partnership Firm
108 Kalayaan Avenue
Diliman, Quezon City, Philippines
Tel. No. 921-73-83
Fax No. 922-13-68

ECOSYS CORPORATION
Room 203, No. 31 Kamias Road, Quezon City
Fax/Tel. No. 922-8675
Beeper 150-601-774 or 141-120-871

ENVIRONMENTAL CONSULTANTS COOPERATIVE
1589 Iriga Street, #4E, Makati
Dona Generosa Bldg., Suite 509
282 EDSA Ext., Pasay City

ENVIRONMENTAL AND RISK MANAGEMENT (Philippines)
2/F, JDI Bldg., No. 222 Sen. Gil J. Puyat Ave.
Makati, Metro Manila
Tel. No. (632) 893-2875
Fax No. (632) 844-4623

FILTEKNIK CONSULTANTS, INC.
Suite 695 FMSG Building
No.9 Balite Drive, New Manila
Quezon City, Philippines
Tel. Nos. 722-53-52, 77-38-86 loc. 42

GAIA SOUTH ,INC.
Environmental Consultants
7/F Montepino Building
Legaspi Village, Makati City
Philippines
Tel. No. 632-08-05
Fax No. 631-21-55

GEOTEKNIKA
Technical and Consultancy Services
F-105 Hardin ng Bougainvillea,
Purok Aguinaldo, U.P. Diliman,
Quezon City, Philippines
Tel Nos. (0912) 312-2514
Telefax No. (0912) 311-3916

HENORI ENVIRONMENTAL CONSULTANTS
Unit 204, Rizalina Building Annex
1677 Quezon Avenue, Quezon City
Tel. No. 974-824

LOGISTIC MARKETING PHILS., INC.
2nd Floor, P & L Building
116 Legaspi Street, Legaspi Village
Makati, Metro Manila
Tel. No. (632) 8158836/39
Fax No. (632) 8179978

LOUIS BERGER INTERNATIONAL , INC.
TM-8910 Mile Long Center
Herrera corner Amorsolo Streets
Legaspi Village, City of Makati
Tel. No. (632) 812-3556 to 58
Fax No. (632) 819-3965

LOWNEY ASSOCIATES
20 B Kaliraya Street, SMH
Quezon City, Philippines 3008
Tel. Nos. 712-29-97 / 712-33-83
Fax No. 732-48-27

MADECOR-ENVIRONMENTAL MANAGEMENT SYSTEMS, INC.
6th Floor, Sarmiento II Bldg.,
Pasong Tamo Extension
Makati City, Philippines
Tel. Nos. 816-72-79 / 812-99-75 / 812-99-77
816-74-61 to 72 local 263

MAUNSELL PHILIPPINES, INC.
8/F Royal Match Building
6780 Ayala Avenue, Makati City
Phone: 814-0401
Fax : 814-0408

ORIENT INTGRATED DEVELOPMENT CONSULTANTS, INC. (OIDCI)
Unit E, Bohol Mansions
43 Sgt. E. A. Esquerro Avenue
corner Scout Albano Street,
Quezon City, Philippines
Tel. Nos. 924-17-80 / 924-12-40 / 922-2715 / 922-26-21
Fax No. 924-17-85

SCHEMA KONSULT , INC.
7th Floor JMT Corporate Condominium
ADB Avenue, Ortigas Complex
Pasig, Metro Manila, Philippines
Tel. No. 631-16-91 to 93 / 634/16-91 to 94
Fax No. 632-07-40

SCIENCE RESEARCH FOUNDATION
University of the Philippines
Diliman, Quezon City
Philippines

SITECH RESOURCES GROUP, INC.
30 Macapuno St., Valle Verde I
Pasig City
Tel. Nos. (632) 671-5846; 671-3217
Fax No. (632) 671-7055

SGV CONSULTING FIRMS
SGV Building II, 6758 Ayala Avenue
Makati, Metro Manila, Philippines
Tel Nos. 819-30-11 to 58
Fax No. 817-41-93

SNJ CONSULTING ENGINEERS AND GEOLOGISTS
31 Meralco Avenue, Pasig
Metro Manila, Philippines
Tel. No. 632-03-68
Fax No. 632-03-69

TECHNOTRIX PHILIPPINES, INC.
Suite 605 FMSG Building
Balet Drive corner 3rd Street
Quezon City, Philippines
Tel Nos. 77-38-86 loc 42 / 722-53-52
Fax No. 722-55-04

TEEM, INC.
Room 409, Dona Amparo Building
España corner Cataluna Street
Manila, Philippines
Tel. No. 732-54-20 / 731-39-79
Fax No. (632) 731-39-73

TEST CONSULTANTS, INC.
Penthouse 3 Condominium
Timog Avenue corner Mother Ignacia Ave.
Quezon City
Tel. No. 411-1332

TOTAL CONSULTANCY SERVICES, INC.
Room 405 Danarra Condominium
Metropolitan Avenue corner Mola Street
Makati, Metro Manila
Philippines

**UNICONSULT PLANNERS, MANAGEMENT AND SYSTEMS CONSULTANTS,
INC.**
9 Floor Filgarcia Tower, 140 Kalayaan Avenue
Diliman, Quezon City
Tel. Nos. 924-8558/924-8560
Fax No. (632) 924-8562

WASTECON
Waste and Environmental Management Consulting Firm
9/F Filgarcia Tower, 140 Kalayaan Avenue
Diliman, Quezon City, Philippines
Tel. No. 924-85-61
Fax No. 924-85-62

WOODWARD-CLYDE PHILS., INC.

**3rd Floor, ALCO Building, Ortigas Avenue
Greenhills, San Juan, Metro Manila
Philippines**

Tel. Nos. 70-15-76 / 78-92-56 / 788-04-03 / 78-04-05

78-46-38 / 70-41-79 / 70-41-51 / 722-55-53

Fax No. 722-94-92

2. 現地再委託業務に係るコンサルタント料の見積例

事前調査で以下のローカルコンサルタントを訪問し、現地再委託業務の内容を説明して仮の見積を提示してもらったので、費用算出の例として下記に示す。(ABC順)

1. IC-Net Philippines, INC.
Tropical Palms Unit 35, 103 Dela Rosa Street, Legaspi Village, Makati City
Tel 632-812-1659 Fax 632-816-4152
2. Primary Science & Management Corp. (PSMC)
OS-216, Sunette Tower Condominium, Durban St. Corner Makati Avenue, Bel-Air,
Makati City
Tel 632-897-2074 Fax 632-897-2073
3. SMDI Consultant, INC.
Sulla 1001, 10F, Agustin Bldg., Emerald Ave., Pasig City
Tel 632-634-6973 Fax 632-633-9532
4. TEST Consultants, INC.
Penthouse 3 Landsdale Tower Condominium, 86 Mother Ignacia St. Corner Timog
Avenue, Kezon City
Tel 632-411-1332

IC Net Philippines, Inc.

Tropical Palms Unit 35, 103 Dela Rosa Street,
Legaspi Village, Makati City, Metro Manila
Philippines

Tel. Nos.: (632) 812-1659/812-1675
Tel /Fax: (632) 816-4152

10/ 7/1996

TO: Mr. T. Ikeda of JICA mission C/O Mandarin Oriental Hotel (Room 537)

FM: T. Hikichi - IC Net Philippines, Inc.

RE: Cost Estimate

Please refer to our cost estimate for the social-economic survey, for example 10 man-months work as below.

1. Personal Expense

Consultant (including report writing) P90,000 X 10 man-months = P900,000

2. Lodging and Allowance (out of Metro Manila)

N/A

3. Car Rental

P25,000 X 3 months X 2U/T = P150,000

4. Interviews (if needed)

Labour Cost (pay to the interviewers etc.) : unknown

5. Data Processing and Analysis (if needed)

unknown

TOTAL DIRECT EXPENSES P1,050,000

Indirect Expense

Administration/Management Fee (Total Direct Expenses) X 5% = P1,050,000 X 5% = P52,500

GRAND TOTAL

P1,102,500

(@4.2) Yen 4,630,500

PSMC

PRIMARY SCIENCE & MANAGEMENT CORP.

OS-210, SUNETTE TOWER CONDOMINIUM
DURBAN ST. CORNER MAKATI AVENUE
BEL-AIR, MAKATI, METRO MANILA, PHILIPPINES
TEL. NOS. 8972074, 73, 76
FAX NO. 8972073

MR. KAZUHIRO NAKAISHI
Member JICA Mission

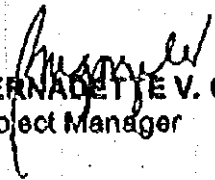
**SUBJECT: SURVEY ON THE PUBLIC AWARENESS FOR SOLID WASTE
MANAGEMENT**

Dear Sir:

May we submit the attached proposed budgetary cost and implementation plan for the above mentioned survey. We hope that it will meet your requirements and we can work with you on this project early next year.

Thank you very much for considering our company.

Sincerely yours,


BERNADETTE V. GONZALES
Project Manager

Oct. 11, 1996

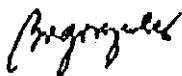
SIR,

I AM VERY SORRY I JUST SEND IT NOW BECAUSE THE LAST TIME WE TALKED, I THOUGHT YOU WERE REFERRING TO AUG. 11 INSTEAD OF AUGUST 18.

HOWEVER, I AM SENDING THE ATTACHED DOCUMENT FOR YOUR KIND CONSIDERATION AND I HOPE YOU UNDERSTAND.

PLEASE FEEL FREE TO CALL US FOR ANYTHING YOU FURTHER NEED HERE IN MANILA.

THANK YOU AND REGARDS.



**SURVEY ON THE PUBLIC AWARENESS FOR SOLID WASTE MANAGEMENT
PROPOSED BUDGETARY COSTS**

PROPOSED EXPENDITURE ITEMS	NO. OF PERSON MONTHS	RATE/ MONTH	TOTAL
1. Consultancy Services			
1.1 Project Coordinator	6	50,000.00	300,000.00
1.2 Statistician (2)	8.5	45,000.00	382,500.00
1.3 Computer Specialist (2)	6	45,000.00	270,000.00
1.4 Training Officer	2	45,000.00	90,000.00
2. Other Personnel Services			
2.1 Surveyors (20)	400 days	300/d	120,000.00
2.2 Encoders (4)	80 days	250/d	20,000.00
2.3 Secretary	6	5,000.00	30,000.00
3. Vehicle Rental	5	30,000.00	150,000.00
4. Production Costs, Supplies & Materials	6	25,000.00	150,000.00
Sub-Total (1)			1,512,500.00
5. Management Fee (15%)			226,875.00
6. Contingency (5%)			75,625.00
Sub-Total (2)			1,815,000.00
VAT (10%)			181,500.00
GRAND TOTAL			1,996,500.00

**SURVEY ON THE PUBLIC AWARENESS FOR SOLID WASTE MANAGEMENT
PROPOSED IMPLEMENTATION PLAN**

MONTH	1				2				3				4				5				6			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Phase 1: Survey Design																								
Survey Planning	█																							
Listing of Research Questions		█																						
Timetable Preparation			█																					
Budget Preparation				█																				
Obtaining Official Permissions					█																			
Mapping of Targeted Respondents						█																		
Phase 2: Validation of Survey																								
Instruments																								
Preparation of Survey Forms																								
Drafting of a Tabulation Plan																								
Discussion & Modification of Forms																								
Field Testing																								
Establishment of Work Procedures																								
Finalization of Survey Form																								
Reproduction of Survey Forms																								
Planning the Staff Training Program																								
Phase 3: Fieldwork																								
Assembling the Fieldwork Team																								
Staff Training																								
Completing the Fieldwork																								
Supervision of Fieldworkers																								
Checking and Filing Returned Forms																								
Phase 4: Data Analysis																								
Staff Training																								
Checking, Editing & Coding Forms																								
Inputting Data to Computer																								
Preparing Data Tables																								
Data Analysis, etc.																								
Drawing Conclusions from Data																								
Phase 5: Report Preparation																								
Planning the Report																								
Drafting the Report																								
Discussing and Finalizing the Report																								
Organizing Seminars, etc.																								



SMDI Consultants, Inc.

Suite 1001, 10F, Aguinid Bldg.
Emerald Ave., Ortigas Center
Pasig City, Metro Manila 1600
Tel Nos.: 634 6973, 633-9332
Telex: 631-1617

14 October 1996

MR. KAZUHIRO NAKAISHI
Section Chief of Engineering Dept. II
Environmental Technology Consultants Co., Ltd.
JICA Mission
Room 1102 Mandarin Hotel

Subject: Study for the Development of Solid Waste Management

Dear Nakaishi-san,

Reference is made to your fax-request dated 10 October regarding the survey requirements for the above-stated study.

In this connection, we are pleased to submit our preliminary proposal to conduct the following surveys specified in your proposal:


- A. Public Awareness
- B. Capacity of Local Government Unit
- C. Time & Motion Study for Collection and Transportation
- D. Topographic/Relocation Survey
- E. EIA of Landfill Site

PLEASE NOTE THAT THE ATTACHED COST ESTIMATES ARE EXCLUSIVE OF TAXES AND ARE PURELY BASED ON OUR UNDERSTANDING OF THE INFORMATION YOU HAVE GIVEN US. This means that we will refine/finalize our financial proposal after we discuss the details of each activity with you, Mr. Kanle and/or Mr. Ikeda.

Please do not hesitate to call me if you have any questions.

Very truly yours,

SMDI Consultants, Inc.
By:


MERCEDES V. TUAZON
President

A. Public Awareness Survey:

1. Professional Fees: 1.5 mos. for Survey Analyst/Supervisor/Processors/Encoders	210,000.00
2. Survey: (300 questionnaires)	100,000.00
3. Reimbursables: (office supplies, transportation reproduction, etc.)	82,000.00
4. Contingencies	112,800.00
TOTAL PER COMMUNITY	484,800.00

B. Time and Motion Study:

1. Professional Fees: (1.5 mos. for Transport Specialist and Research Engineers)	270,000.00
2. Travel Time Survey	150,000.00
3. Reimbursables	100,000.00
4. Contingencies	158,000.00
TOTAL PER COMMUNITY	678,000.00

C. Capacity of LGUs:

1. Professional Fees: (1.5 mos. for Financial Analyst and Researcher)	195,000.00
2. Survey on LGU Operations	100,000.00
3. Reimbursables	118,000.00
4. Contingencies	123,000.00
TOTAL LGU	536,000.00

D. Relocation and Topographic Survey:

1. Scope of Work	
1.1 Relocation Survey:	
a) Established a horizontal control along the perimeter	
b) Determine the location of the proposed landfill site	
c) Monumenting the boundary corners.	
1.2 Topographic Survey:	
a) Run a vertical control to the site and establish a permanent bench mark on the site	
b) Lay out on the ground the base line and the grid line 100 m by 100m.	
c) Determine the elevation of the grid line intersection	
d) A creek survey and water bodies shall be made if there is any	
1.3 Profile Survey:	
A profile survey at every 100 m along the base line shall be made.	
1.4 Preparation of Plans:	
a) Location plan shall be prepared on the standard DENR Land Management Bureau Form.	
b) Topographic plan showing the grid line and the elevation on each intersection at scale 1:1000 M.	
c) A contour map shall be prepared at 1.0 meter interval.	
2. Cost of Services	5,000.00
For all the work stated in the scope of work shall be paid on a per hectare.	

E. EIA of A Landfill Site:

1. Professional Fees: (4.0 man-months of an Environmentalist 3.5 man-months of a Hydrologist/Geologist/Transport Specialist/Equipment Specialist/Inst'l. Specialist/ Sociologist/Public Health Specialist Researcher)	300,000.00
2. Surveys:	502,500.00
3. Reimbursables:	250,000.00
4. Contingencies:	315,760.00
TOTAL LANDFILL SITE	1,641,900.00

I FORMULATION OF MASTER PLAN

POSITION	BILLING RATE / m-m
Sr. Environmentalist	P 150,000.00
Solid Waste Management Expert	150,000.00
Industrial and Medical Waste Management Expert	150,000.00
Water Quality Expert / Chemical Engineer	100,000.00
Sociologist	100,000.00
Economist	100,000.00
Financial Analyst	100,000.00
Institutional Expert	150,000.00
Public Awareness Specialist	100,000.00
Environmental Lawyer	200,000.00
Urban Planner / Land Use Specialist	108,000.00
Geologist / Hydrogeologist	108,000.00
Traffic / Road Engineer	100,000.00
Geodetic Engineer	100,000.00
Operation and Maintenance Specialist	100,000.00
Cost Engineer	100,000.00
Civil / Sanitary Engineer	100,000.00

II CONDUCT OF FEASIBILITY STUDY

POSITION	BILLING RATE /m-m
Sr. Environmentalist	P 150,000.00
Solid Waste Management Expert	150,000.00
Sociologist	100,000.00
Economist	100,000.00
Financial Analyst	100,000.00
Institutional Expert	150,000.00
Estuarine Ecologist	200,000.00
Terrestrial Ecologist	200,000.00
Meteorologist / Noise / Air Specialist	150,000.00
Risk Assessment Specialist	200,000.00
Operation and Maintenance Specialist	100,000.00
Electro-Mechanical Engineer	100,000.00
Structural Engineer	100,000.00
Cost Engineer	100,000.00
Civil / Sanitary Engineer	100,000.00
Public Awareness Expert	100,000.00

III. SUPPORT STAFF (For I and II)

Research Engineer	45,000.00
CAD Operator	24,000.00
Encoder / Tabulator	19,200.00
Draftsman	19,200.00
Driver	12,000.00
Enumerators	12,000.00

UNIT COST

o Topographic Survey	P	3,500.00 / Ha
o Boundary Survey		2,000.00 / Ha
o Water Quality Test		2,500.00 / Sample
o Leachate Sampling/Analysis		5,000.00 / Sample
o Geological Survey		
- Mobilization / Demobilization (LS)	P	40,000.00
- Boring, 3"Ø x 40 m deep		950.00 / m
- Standard Penetration Test		450.00 / m
- Undisturbed Sampling		875.00 / m
- Core Sampling including Core boxes		2,070.00 / m
- Mechanics test		2,100.00 / sample
- Physical test		950.00 / sample

3. 民間分析ラボ

社名：SGS Philippine Testing and Control Services Inc.

住所：Don Tim Building 5468 So. Superhighway, Makati

P.O.Box 2174, MCPO 1261 Metro Manila, Philippines

電話番号：817-6231 (35)

FAX番号：(00632) 8182971 ; 8150952

4. SWMに係るNGOリスト

LIST OF SOME NGO'S WORKING ON SOLID WASTE MANAGEMENT

1. International Resource Recovery and Recycling Network Foundation, Incorporated (IRRREN)

Dr. Emma A. Pujalte, MNSA
Founding President/Chief Executive Director
Triple R Management Center
117 Soliven Avenue Corner Copenhagen Street
Pasig Green Park Village 1612
Manggahan, Pasig City
Tel. No. 645-0054 Fax. No. 645-8896

2. Recycling Movement of the Philippines (RMP)

Ms. Luz Sabas
Executive Director
Ecology Center, Quezon City
Tel. Nos. 922-03-80; 922-2942; 99-88-95; 99-86-35

3. Center for Advanced Philippine Studies (CAPS)

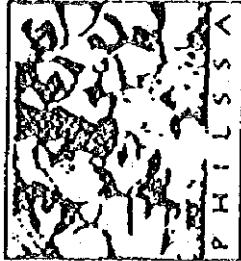
Danila G. Lapid
Executive Director
Rm. 8 Maya Building,, 678 EDSA, Cubao
Quezon City, 1109
Tel. No. (632) 912-3608
Fax No. (632) 912-3479

4. Metro Manila Linis Ganda, Inc.

Ms. Narda Camacho
Vice President
123 B. N. Domingo St.
Quezon City

5. Public Education and Awareness Campaign for the Environment (PEACE)

Dr. Angelina P. Galang
Coordinator
Miriam College
Quezon City



**PARTNERSHIP OF PHILIPPINE
SUPPORT SERVICE AGENCIES**

NGO Resource Center
S/J: Joseph Cardinal Höffner
Social Training Center
Social Development Complex
Ateneo de Manila University campus
Loyola Heights, 1108 Quezon City
P h i l i p p i n e s
Tels. 924-4532 / 924-4001 to 20
loc. 2835 to 36

CARMEL "Melay" V. ABAO

*Program Coordinator
Private Environmental Development Program*

Greenline

Rene B. Trinidad
Business Development Manager

GREENLINE ENVIROTECH PHILIPPINES INC.

1901B West Tower, Philippine Stock Exchange Centre,
Exchange Road, Pasig City, Metro Manila, Philippines.
Tel: (632) 631-1664-68/631-1597 Fax: (632) 631-1593

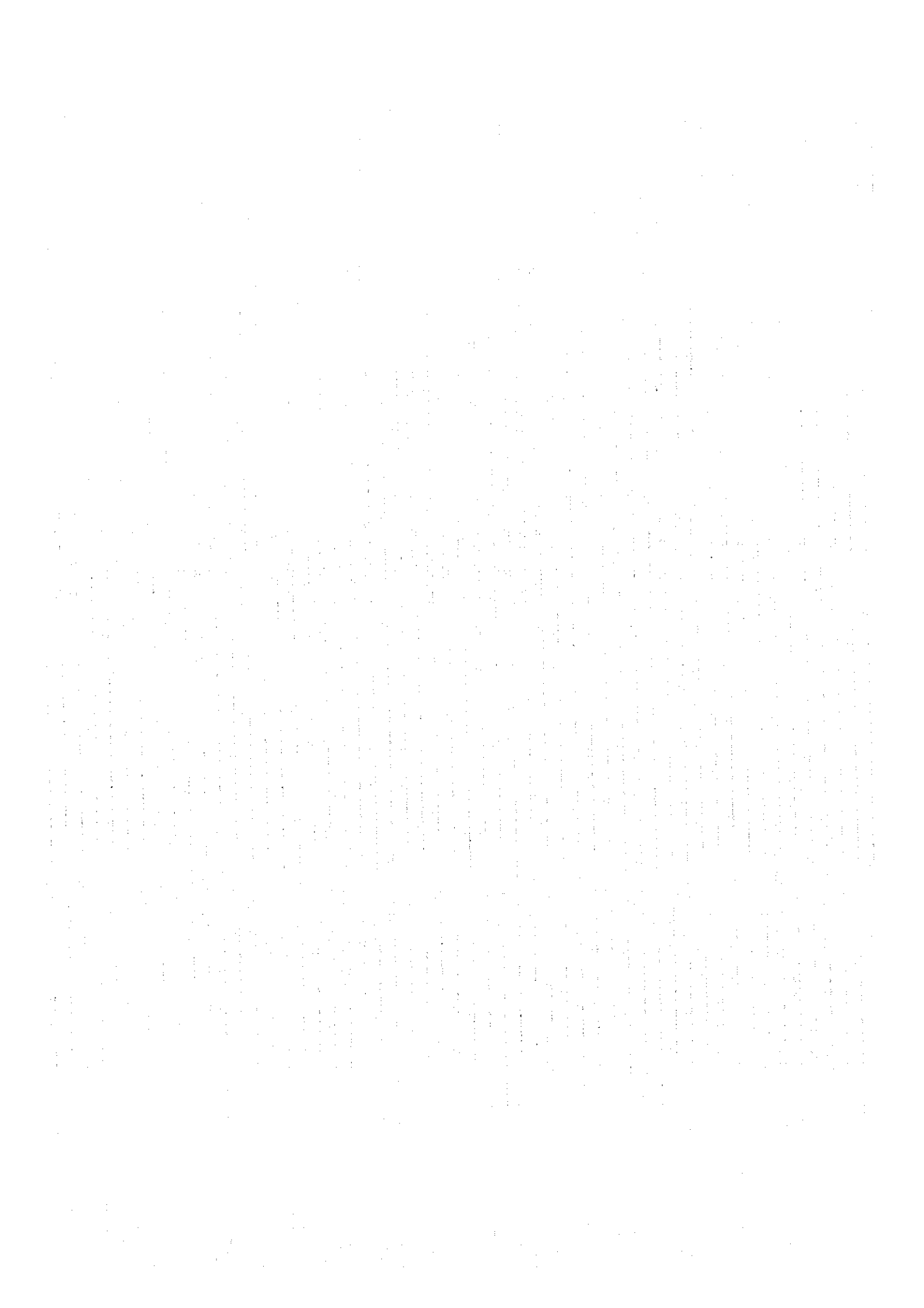


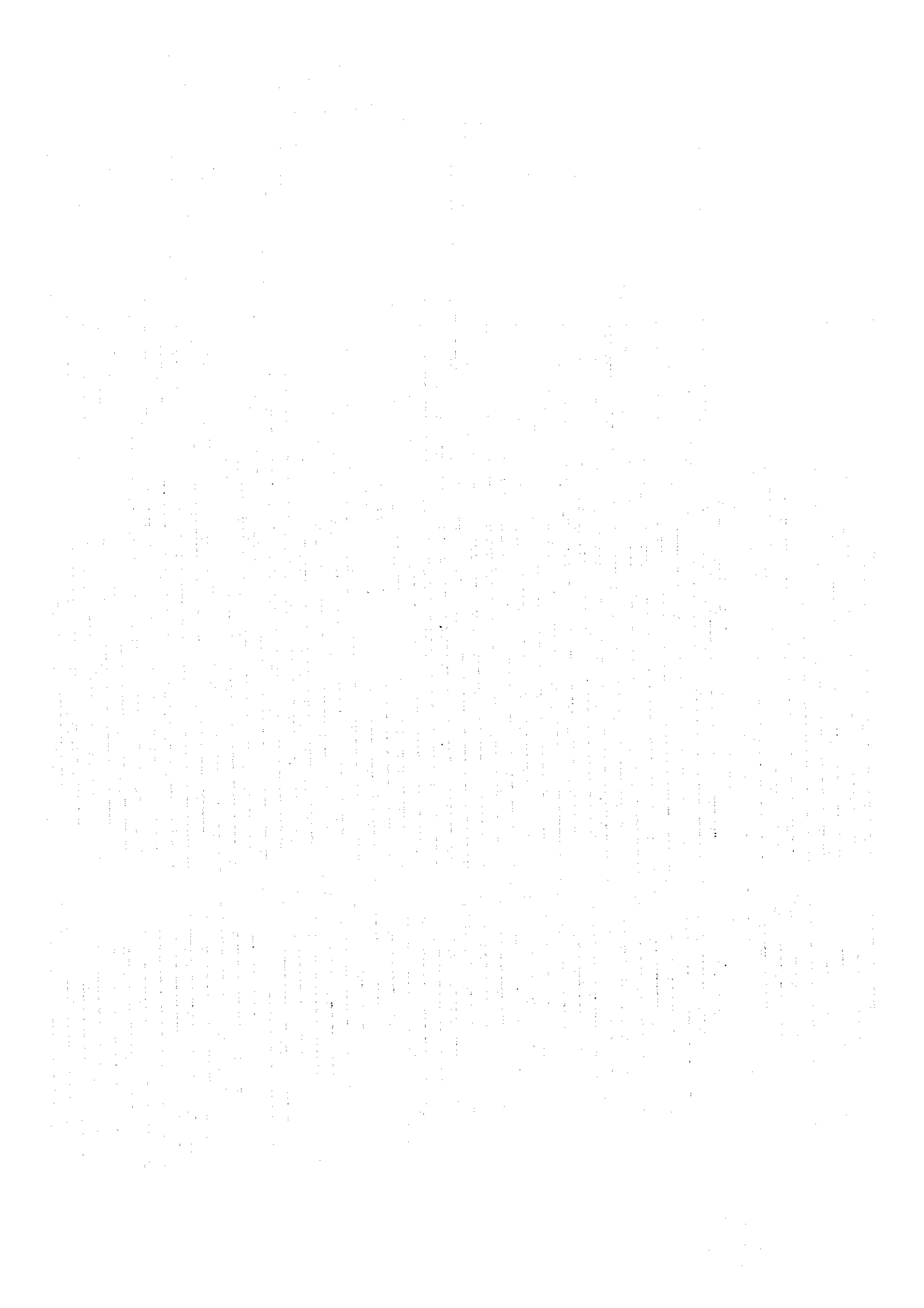
MARIO R. LEGASPI
Special Assistant for Project
Development and Foreign Assistance

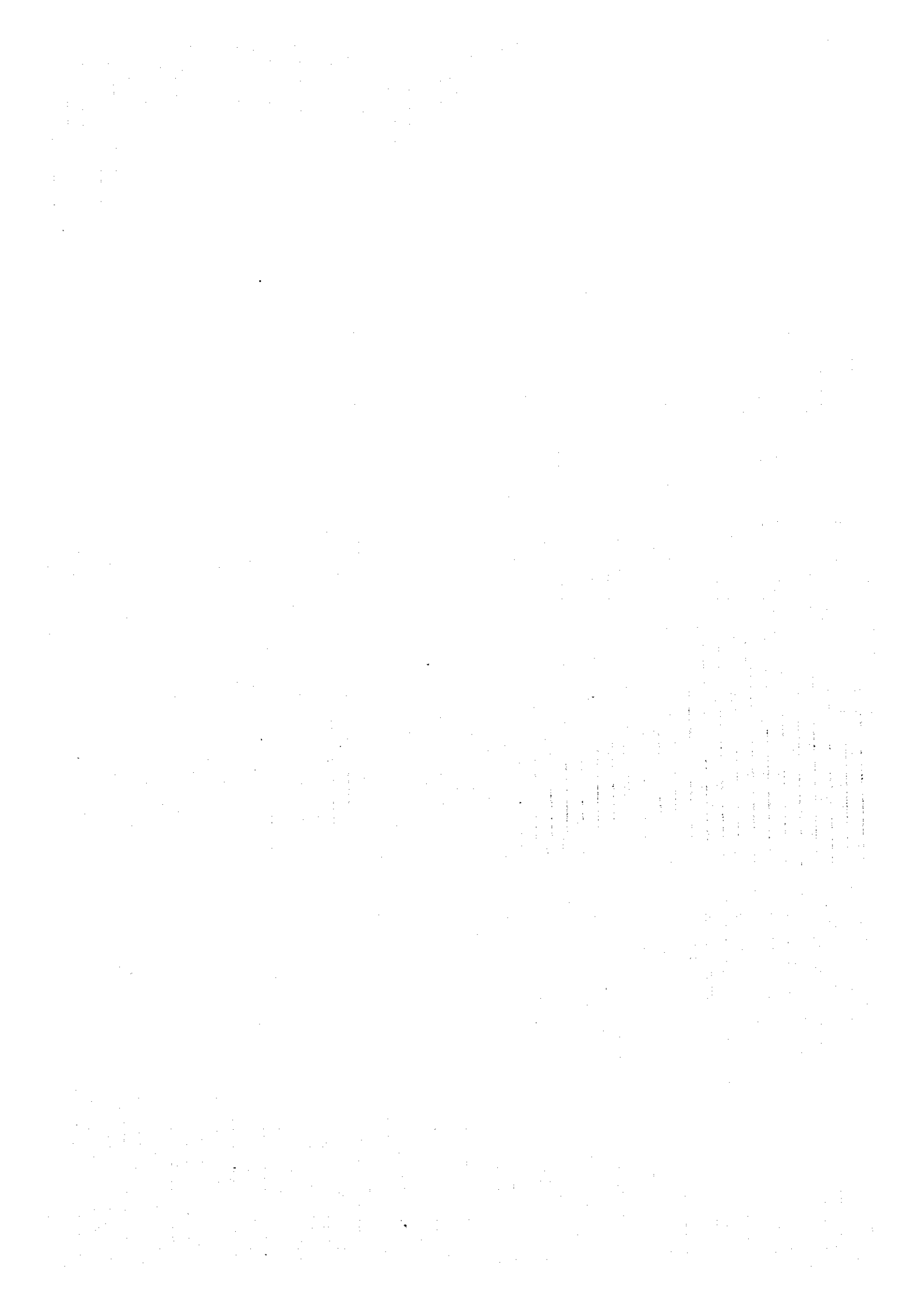
T E S D A

**TECHNICAL EDUCATION AND SKILLS
DEVELOPMENT AUTHORITY**

East Service Road, South Cebu, Cebu







JICA