

付録 5 収集文献一覧表



1. Politics, Economy & Culture

1.1 General

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER   | SIZE | NO. OF PAGES |
|-----|--|------|---|------|--------------|
| 1   | Towards Full Employment  | 1973 | ILO   | B5   | 471pp.       |
| 2   | Government and Politics in Kenya   | 1972 | Gertzel, Goldschmidt, Rothchild.<br>East african Pub. House | B5   | 611pp.       |
| 3   | Economic Survey, 1978  | 1978 | Min. of Fin. & Planning<br>Kenya                            | B5   | 188pp.       |
| 4   | Development Planning in East Africa  | 1971 | Paul G. Clark   | A4   | 153pp.       |
| 5   | Economic Integration: The East African Experience                                | 1975 | Arthur Hazlewood<br>Heinemann                               | A4   | 180pp.       |
| 6   | Priorities in Economic Research In Kenya Over the Second Plan Period'1970-74,s/p | 1970 | IDS   | A4   | 14pp.        |
| 7   | Employment, Incomes and Equality   | 1972 | ILO   | B5   | 600pp.       |
| 8   | Underdevelopment in Kenya  | 1976 | Colin Leys<br>Heinemann                                     | A4   | 284pp.       |

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER                                   | SIZE | NO. OF PAGES |
|-----|---|------|---|------|--------------|
| 9   | Planning for Progress:<br>Our Fourth Development Plan<br>A Short Version of the<br>Development Plan 1979-1983 |      | Government Printers                                 | A5   | 73pp.        |
| 10  | Sessional Paper No.4 of<br>1980 on Economic Prospects<br>and Policies   | 1980 | Government Printer                                  | A5   | 35pp.        |
| 11  | Development plan 1979-1983<br>Part 11   | 1979 | Government Printer                                  | B4   | 186pp.       |
| 12  | Development Administration<br>-The Kenyan Experience-   | 1970 | Goran Hyden Robert<br>Jackson and Okumu             | A5   | 366pp.       |
| 13  | Development Plan 1979-1983<br>Part 1  | 1979 | Government Printer                                  | B4   | 522pp.       |
| 14  | East Africa: its people<br>and resources  | 1972 | W.T.W. Morgan<br>Oxford University<br>Press         | 1972 | 312pp.       |
| 15  | Economy Survey  | 1980 | Ministry of Economic<br>Planning and<br>Development | 1980 | 194pp.       |

### 1.2 Health & Nutrition

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER | SIZE | NO. OF PAGES |
|-----|---|------|-------------------|------|--------------|
| 16  | Food and Nutrition Strategy for Kenya, o/p                              | 1975 | IDS               | A4   | 40pp.        |
| 17  | Nutrition, Health & Population in Strategies for Rural Development, d/p | 1976 | IDS               | A4   | 45pp.        |

### 1.3 Education

|    |  |      |                                   |    |        |
|----|--|------|-----------------------------------|----|--------|
| 18 | The Role of Adult Education in the Development of E. Africa, d/p           | 1966 | IDS                               | A4 | 9pp.   |
| 19 | Education, Training, & Employment of Secondary School Leavers in Kenya d/p | 1972 | IDS                               | A4 | 34pp.  |
| 20 | Education, Society and Development   | 1974 | Court, Ghai<br>Oxford Univ. Press | A5 | 345pp. |
| 21 | The Education System of Kenya: An Economic View, d/p                       | 1971 | IDS                               | A4 | 47pp.  |
| 22 | Laws of Kenya<br>The Education Act<br>Chapter 211                          | 1970 | Government Printer                | B5 | 57pp.  |

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER  | SIZE | NO. OF PAGES |
|-----|---|------|--------------------|------|--------------|
| 23  | Report of the national committee on educational objectives and policies | 1976 | Government Printer | B4   | 228pp.       |

#### 1.4 Migration

|    |  |      |     |    |        |
|----|--|------|-----|----|--------|
| 24 | Rural-To-Urban Labor Migration: A Tabulation of the Responses to the Questionnaire used in the migration survey, d/p | 1970 | IDS | A4 | 180pp. |
| 25 | Migration and Economic Development   | 1976 | IDS | A4 | 105pp. |

#### 1.5 Rural Development

|    |  |      |                                 |    |        |
|----|--|------|---------------------------------|----|--------|
| 26 | Rural Responses to Industrialization   | 1976 | R. H. Bates<br>Yale Univ. Press | B5 | 380pp. |
| 27 | Innovation in Rural Development d/p  | 1972 | IDS                             | A4 | 19pp.  |
| 28 | The Women's Group Program in the S.R.D.P., o/p                                     | 1975 | IDS                             | A4 | 106pp. |
| 29 | S.R.D.P. Second Overall Evaluation of the Special Rural Development Programme, o/p | 1975 | IDS                             | A4 |        |

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER        | SIZE | NO. OF PAGES                             |
|-----|--|------|--------------------------|------|--|
| 30  | Nyeri Industrial Development Project--<br>-Feasibility Study<br>(English & Japanese) | 1977 | JICA Survey Mission      | A4   | Eng.<br>231<br>pp.<br>JAP.<br>299<br>pp. |
| 31  | Tha Athi River Urban Council Memorandum to be submitted to Hon. Waruru Kanja M.P.    | 1980 | Athi River Urban Council | A4   | 6pp.                                     |

#### 1.6 Agriculture

|    |  |      |     |    |        |
|----|--|------|-----|----|--------|
| 32 | Some Aspects of Milk Marketing in Kenya, d/p   | 1966 | IDS | A4 | 35pp.  |
| 33 | Kenya Dairy Production Improvement Programme, o/p  | 1976 | IDS | A4 | 221pp. |
| 34 | Farm Equipment Innovations for Agricultural Development and Rural Industrialization, o/p | 1975 | IDS | A4 | 238pp. |

#### 1.7 History

|    |                           |      |  |    |        |
|----|---------------------------|------|--|----|--------|
| 35 | A History of East Africa  | 1972 | Marsh, Kingsnorth<br>Cambridge Univ. Press | B6 | 218pp. |
| 36 | Discovering Africa's Past | 1978 | Basil Davidson<br>Longman                  | B5 | 218pp. |

| NO. | TITLE                             | YEAR | AUTHOR, PUBLISHER                   | SIZE | NO. OF PAGES |
|-----|-----------------------------------|------|-------------------------------------|------|--------------|
| 37  | India and East Africa             | 1971 | R. G. Gregory<br>Clarendon Press    | A4   | 555pp.       |
| 38  | How Europe Underdeveloped Africa  | 1976 | Walter Rodney                       | B6   | 316pp.       |
| 39  | Harambee<br>its origin and growth | 1972 | Owino-Ombudo<br>Academic Publishers | A5   | 52pp.        |

## 2. Industry

### 2.1 General

|    |  |      |  |    |        |
|----|--|------|--|----|--------|
| 40 | Readings on the Multinational Corporation in Kenya     | 1978 | Raphael Kaplinsky<br>Oxford Univ. Press                | A5 | 315pp. |
| 41 | Industrial Geography of Kenya                          | 1972 | Ogendo<br>East African Pub. House                      | A4 | 308pp. |
| 42 | Co-operative Institutions and Economic Development     | 1977 | Paris Andreau<br>East African Literature Bureau        | A5 | 541pp. |
| 43 | Problems of African Business Enterprise, d/p           | 1965 | Center for Econ. Research, University College, Nairobi | A4 | 11pp.  |
| 44 | Employment & Productivity in Kenyan Manufacturing, d/p | 1972 | IDS  | A4 | 26pp.  |



| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER  | SIZE | NO. OF PAGES |
|-----|--|------|--|------|--------------|
| 45  | The Performance of Multi-Nationals and Other firms in less economically developed countries - a comparative analysis of Ugandan Data | 1976 | IDS  | A4   | 23pp.        |
| 46  | African Businessmen  | 1971 | Marris, Somerset<br>Routledge & Kegan Paul<br>London                 | A5   | 288pp.       |
| 47  | Labor Movement in Kenya  | 1968 | Clement K. Lubembe<br>Equatorial Publishers                          | A5   | 240pp.       |
| 48  | Who Controls Industry in Kenya   | 1968 | East African Publishing House<br>National Christian Council of Kenya | A5   | 279pp.       |
| 49  | Laws of Kenya<br>The Co-operative Societies Act Chapter 490  | 1972 | Government Printer   | B5   | 72pp.        |
| 50  | Maridadi Fabrics   |      | Maridadi Fabrics   | A4   |              |
| 51  | Directory of Industries 1977   | 1977 | Central Bureau of Stat. Ministry<br>Finance and Planning             | A4   |              |

## 2.2 Informal Sector

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER         | SIZE | NO. OF PAGES |
|-----|---|------|---------------------------|------|--------------|
| 52  | Small Scale Enterprise, o/p   | 1973 | IDS                       | A4   | 156pp.       |
| 53  | The African Artisan   | 1977 | Kenneth King<br>Heinemann | A5   | 226pp.       |
| 54  | The Informal Sector in Kenya, o/p   | 1977 | IDS                       | A4   | 195pp.       |
| 55  | Employment, Technology and Growth - the Role of the Intermediate Sector in Kenya, o/p | 1976 | IDS                       | A4   | 100pp.       |
| 56  | Low Cost Rural Equipment Suitable for Manufacture in East Africa                      | 1975 | Minto, Westley<br>IDS     | A4   | 82pp.        |

## 2.3 Technical Education & Training

|    |  |      |     |    |       |
|----|--|------|-----|----|-------|
| 57 | Managing Extension Staff - Two experiments in Kenya, d/p                               | 1976 | IDS | A4 | 30pp. |
| 58 | Technical & Vocational Training in Kenya and the Harambee Institutes of Technology d/p | 1973 | IDS | A4 | 58pp. |

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER                             | SIZE | NO. OF PAGES |
|-----|--|------|---|------|--------------|
| 59  | Technical Education in Africa  | 1970 | J. S. McNown<br>East African Publishing House | A5   | 147pp.       |
| 60  | Baringo Development Training Centre, o/p   | 1976 | IDS   | A4   | 93pp.        |
| 61  | Transfer of Technology from Developed Nations to Kenya, s/p  | 19   | IDS   | A4   | 11pp.        |
| 62  | Some Background and Attitude Characteristics of Trainees at Village Politechnics s/p                           | 1971 | IDS   | A4   | 23pp.        |
| 63  | Clerical Training Manual   | 1975 | Directorate of Personnel Management           | 1975 | 158pp.       |
| 64  | The Industrial Training Act<br>The National Industrial Training Scheme for the Training of Indentured Learners |      | Government Printer                            | A5   | 22pp.        |
| 65  | The Industrial Training Act<br>The National Industrial Training Scheme for the Training of Craft Apprentices   | 1973 | Government Printer                            | A5   | 22pp.        |

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER  | SIZE | NO. OF PAGES |
|-----|--|------|--------------------|------|--------------|
| 66  | Questions and Answers on Craft & Technician Apprenticeship Training in Kenya | 1977 | Ministry of Labour | A5   | 25pp.        |

#### 2.4 Industrial Management

|    |  |      |   |    |        |
|----|--|------|---|----|--------|
| 67 | Projections, Projects and Procedures: Some Aspects of Planning for Implementation, d/p | 1965 | IDS   | A4 | 18pp.  |
| 68 | Improving Performance in Public Enterprise   | 1975 | East African Management Institute/German Foundation for International Development | A5 | 209pp. |
| 69 | Planning for Profit and Prosperity   | 1967 | Ryan, Waters<br>The English Press Limited<br>Nairobi                              | A4 | 160pp. |
| 70 | Finance for Development  | 1968 | Newlyn<br>East African Pub. House   | A4 | 107pp. |

#### 3. Statistics

|    |  |      |                               |    |        |
|----|--|------|-------------------------------|----|--------|
| 71 | Employment and Earnings in the Modern Sector 1972-1973 | 1976 | Min. of Fin. & Planning Kenya | A4 | 173pp. |
|----|--|------|-------------------------------|----|--------|

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER   | SIZE | NO. OF PAGES |
|-----|---|------|---|------|--------------|
| 72  | Census of Industrial Production 1972              | 1978 | Min. of Fin. & Planning Kenya   | A4   | 113pp.       |
| 73  | Kenya Population Census 1969 Vol. II              | 1971 | Min. of Fin. & Econ. Planning   | A4   | 82pp.        |
| 74  | Employment and Earnings 1963-1967                 | 1971 | Min. of Fin. & Econ. Planning   | A4   | 53pp.        |
| 75  | Statistical Abstract                              | 1979 | Central Bureau of Stat. Ministry of Economic Planning and Community Affairs | A4   | 291pp.       |
| 76  | Employment and Earnings in the Modern Sector 1976 | 1976 | Central Bureau of Stat. Ministry of Economic Planning and Community Affairs | A4   | 116pp.       |
| 77  | Kenya Statistical Digest                          | 1979 | Central Bureau of Stat. Ministry of Economic Planning and Community Affairs | A4   | 35pp.        |
| 78  | Kenya Statistical Digest                          | 1979 | Central Bureau of Stat. Ministry of Economic Planning and Community Affairs | A4   | 40pp.        |

| NO. | TITLE   | YEAR | AUTHOR, PUBLISHER  | SIZE | NO. OF PAGES |
|-----|---|------|--|------|--------------|
| 79  | Ministry of Labour Annual Report                  | 1976 | Ministry of Labour   | A4   | 69pp.        |
| 80  | Kenya Statistical Digest March 1979 Vol XVII-No.1 | 1979 | Central Bureau of Statistics,<br>Ministry of Economic Planning and Community Affairs | A4   | 35pp.        |

#### 4. African & Kenyan Guidebooks & Maps

|    |   |      |  |    |        |
|----|---|------|--|----|--------|
| 81 | East Africa in Colour                           | 1972 | D.C. Money<br>Evans Brothers Limited   | A4 | 62pp.  |
| 82 | Kenya, a holiday guide                          | 1977 | Michael Tomkinson<br>London & Hammamet | A4 | 109pp. |
| 83 | Africa Guide                                    | 1976 | Africa Guide Company                   | A4 | 311pp. |
| 84 | Kenya Yearbook 1978                             | 1978 | Newsread International                 | A4 | 283pp. |
| 85 | Kenya Primary Geography Pupil's Book-Standard 5 | 1978 | Curtis<br>Evans Brothers Limited       | A4 | 62pp.  |
| 86 | Road Map of Kenya                               |      |  |    |        |
| 87 | Map of Nairobi                                  |      |  |    |        |

| NO. | TITLE                                | YEAR | AUTHOR, PUBLISHER     | SIZE | NO. OF PAGES |
|-----|--------------------------------------|------|-----------------------|------|--------------|
| 88  | Route Map, Kenya & Northern Tanzania |      | Survey of Kenya       |      |              |
| 89  | Kenya an official handbook           | 1973 | General Printers Ltd. | B4   | 208pp.       |
| 90  | Africa Guide                         | 1980 | World of Information  | B4   | 430pp.       |

#### 5. Organization Reports

|    |   |             |     |    |       |
|----|---|-------------|-----|----|-------|
| 91 | Institute for Development Studies - Res. & Pub.                       | 1977        | IDS | A5 | 93pp. |
| 92 | Industrial & Commercial Dev. Corp. Report and Accounts 1975/76        |             |     | A4 | 52pp. |
| 93 | Industrial and Commercial Development Corporation Report and Accounts | 1976/<br>77 |     | A4 | 50pp. |
| 94 | Institute for Development Studies - Res. & Pub.                       | 1977        | IDS | A5 | 93pp. |
| 95 | Kenya Industrial Estates Ltd.   |             |     | A5 | 19pp. |
| 96 | Ind. and Com. Dev. Corp. Report and Accounts 1976/77                  |             |     | A4 | 50pp. |

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER                 | SIZE | NO. OF PAGES |
|-----|--|------|-----------------------------------|------|--------------|
| 97  | Board of Adult Education<br>Annual Report 1969-70                                    | 1970 |                                   | A5   | 24pp.        |
| 98  | Kenya Industrial Estates<br>Ltd. Annual Report 1975/76                               |      |                                   | A5   | 28pp.        |
| 99  | Syllabus, Mechanical<br>Engineering Technician's<br>Course                           | 1978 | Murang'a College of<br>Technology | A4   | 20pp.        |
| 100 | Ind. & Com. Dev. Corp.<br>Report and Accounts 1974/75                                |      |                                   | A4   | 48pp.        |
| 101 | Department of Community<br>Development and Social<br>Services, Annual Report<br>1965 | 1968 |                                   | A5   | 20pp.        |
| 102 | Ministry of Education<br>Annual Report 1976  | 1978 |                                   | A4   | 66pp.        |
| 103 | Institute for Development<br>Studies - Res. & Pub.                                   | 1977 | IDS                               | A5   | 93pp.        |

6. Others

|     |   |      |     |    |        |
|-----|---|------|-----|----|--------|
| 104 | Introductory Research<br>Methodology, o/p | 1974 | IDS | A4 | 190pp. |
|-----|---|------|-----|----|--------|



| NO. | TITLE   | YEAR      | AUTHOR, PUBLISHER   | SIZE | NO. OF PAGES |
|-----|---|-----------|---|------|--------------|
| 105 | NYERI TOWNSMEN KENYA  | 1975      | CARL. A. DUITO,<br>East African Literature Bureau               |      |              |
| 106 | Agricultural Development in Kenya<br>- An Economic Assessment -                 | 1976      | J. Reyer, JK. Maitha,<br>W. M. Senga, OXFORD                    |      |              |
| 107 | The National Industrial Training Scheme for the Training of Indentured Hearners |           | The Industrial Training Act R of Kenya                          |      |              |
| 108 | Monbasa Industrial Training Center  |           | Ministry of Labour  |      |              |
| 109 | The MAASAI  | 1979      | S.S. SANKAN<br>Kenya Literature Bureau                          |      |              |
| 110 | KAIRO<br>Research Catalogue   | 1942-1969 | East African Community  |      |              |
| 111 | Peoples and Cultures of Kenya   | 1980      | Andrew Fedders<br>Cynthia Salvadori,<br>Transafrika Rexcollings |      |              |
| 112 | African Traditional Architecture  | 1978      | Susan Denyer,<br>Heinemann, London                              |      |              |

| NO. | TITLE  | YEAR | AUTHOR, PUBLISHER   | SIZE | NO. OF PAGES |
|-----|--|------|---|------|--------------|
| 113 | Turkana-Pastoral Craftsmen   | 1977 | Andrew Fedders and Cynthia Salvadori, Transafrica Publication                                       |      |              |
| 114 | Kenya: Into the Second Decade<br>Report of a mission sent to Kenya by the World Bank | 1975 | World Bank by The Johns Hopkins Univ. Press   |      |              |
| 115 | Turkana: Pastoral Craftsmen  |      | Andrew Fedders & Cynthia Salvadori, Transafrica Publication, Transafrica Book Distributors, Nairobi |      |              |

- 116 "The Village Polytechnic Movement as a Shadow System of Education in Kenya" David Court, IDS, University of Nairobi.
- 117 "Village Polytechnic Leavers --- The Maseno Story" David Court, IDS, University of Nairobi.
- 118 "The Technology Problem in Rural Small-Scale Industries --- A case study from Kenya"  
Hans Kristensen, IDS papers A 74. 10, University of Nairobi, 1974
- 119 "Rural Industries in Kenya --- Background to studies of Labour Skills and Rural Industrial Development"  
Britha Mikkelsen, IDS, University of Nairobi, 1974
- 120 "Science and Technology for development"  
Proceedings of the First Seminar of the Kenya National Academy  
March, 1978  
C.P.M.Khamala Kenya National Academy for Advancement of Arts and Sciences
- 121 "The Kenya Village Polytechnic Programme" 1974  
A report by an Evaluation Mission of the Government of Kenya and the Norwegian Agency for International Development.
- 122 "The Village Polytechnic Movement"  
John Anderson, IDS, University of Nairobi, 1970
- 123 The Science and Technology Act, 1977, No. 3 of 1977
- 124 Beulah N. Raju, Education in Kenya - Problems and Perspectives in Educational Planning and Administration, Heinemann, 1973
- 125 Republic of Kenya, The Industrial Training Act - The National Industrial Training Scheme for the Training of Indentured Learners
- 126 Republic of Kenya, Questions and Answers on Craft Apprenticeship Training in Kenya, Revised Edition 1977
- 127 Ministry of Labor, Republic of Kenya, Mombasa Industrial Training Centre



**資料－1 技術移轉調查質問様式(1)**



INSTITUTE FOR DEVELOPMENT STUDIES  
UNIVERSITY OF NAIROBI

QUESTIONNAIRE

THE INSTITUTIONAL CONTEXT OF TECHNOLOGY TRANSFER IN KENYA

Questionnaire No.

|   |   |   |   |   |
|---|---|---|---|---|
|   |   |   |   |   |
| 1 | 2 | 3 | 4 | 5 |

Greetings. I am an employee of the Institute for Development Studies, University of Nairobi. We are visiting some residents in this area talking with them about the equipment and technical knowledge that are most used here and the organizations that help in the distribution of the equipment or the acquisition of the necessary technical knowledge.

We are only interested in the opinion of Local People in general and we are not recording the names of those we have spoken with. I would greatly appreciate it if you could respond to the following few questions.

**I. GENERAL ATTITUDES**

1. What would you say are the most important facilities, equipment or skills that have been introduced in this community in the last five years? \_\_\_\_\_

|  |  |      |
|--|--|------|
|  |  | 8, 9 |
|--|--|------|

2. How has the introduction of these facilities, equipment or human skills affected your community \_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 10, 11 |
|--|--|--------|

3. Who introduced these facilities, equipment or human skills in this community? \_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 12, 13 |
|--|--|--------|

4. Do you think that there is need for the introduction of more facilities, equipment or human skills in this area?

Yes  
No

|   |  |    |
|---|--|----|
| 1 |  | 14 |
| 2 |  |    |

5. (IF "YES") What particular facilities, equipment or human skills do you think should be introduced in this area?

(a) Facilities \_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 15, 16 |
|--|--|--------|

(b) Equipment \_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 17, 18 |
|--|--|--------|

(c) Skills \_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 19, 20 |
|--|--|--------|



6. Who should take the initiative in the introduction of such facilities, equipment or human skills in this community? \_\_\_\_\_  
\_\_\_\_\_

21, 22

7. What have the people in this area done in the past to introduce new facilities, equipment or skills?  
\_\_\_\_\_  
\_\_\_\_\_

23, 24

8. (a) Do you think it is necessary or unnecessary that the Local People contribute in the establishment of new Institutions?

Necessary

|   |
|---|
| 1 |
| 2 |

25

Unnecessary

(b) Why do you think so? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. (a) Do you have any institution that teaches people how to use new equipment or teaches them new skills

Yes

|   |
|---|
| 1 |
| 2 |

28

No

(b) What is this institution called \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

30

10. (IF "YES") Who initiated the establishment of this institution \_\_\_\_\_  
\_\_\_\_\_

31, 32

11. (a) If you are asked to contribute or participate setting up a new institution, would you be willing to cooperate with the person seeking to establish such an institution?

Yes

|   |
|---|
| 1 |
| 2 |

33

No

(b) (IF "YES") In which way would you be able to contribute or participate? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

34, 35

12. Have you in the past contributed to the establishment of such an institution through HARAMBEE?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

36, 37

13. Could you tell me in your own words what "HARAMBEE" means to you \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

38, 39

14. Do you agree or disagree with the following statement:  
 "It is sometimes necessary to force members of the community to contribute to the Harambee projects because when all people will benefit from a project, all must contribute to it".

Agree

|   |
|---|
| 1 |
| 2 |
| 3 |

40

Disagree

N.A.

**II. AGRICULTURAL PRODUCTION**

15. Which is the main crop grown here? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

41

16. (a) Is there any facility or equipment which needed to increase production of this crop?

Yes

1

No

2

42

DK

3

(b) (IF "YES") What facility or equipment?

Facility \_\_\_\_\_  
 \_\_\_\_\_

43

Equipment \_\_\_\_\_  
 \_\_\_\_\_

44

17. (a) Is there any facility or equipment which is needed for processing what is produced here?

Yes

1

No

2

45

DK

3

(b) (IF "YES") What facility or equipment?

Facility \_\_\_\_\_  
 \_\_\_\_\_

47

Equipment \_\_\_\_\_  
 \_\_\_\_\_

47

18. (a) Is there any facility or equipment which is needed to store what is produced here?

|     |   |    |
|-----|---|----|
| Yes | 1 | 48 |
| No  | 2 |    |
| DK  | 3 |    |

(IF "YES") What facility or equipment?

|           |  |    |
|-----------|--|----|
| Facility  |  | 49 |
| Equipment |  | 50 |

19. Other than processing or storage facilities are there any other industries that should be developed here?

|     |   |    |
|-----|---|----|
| Yes | 1 | 51 |
| No  | 2 |    |
| DK  | 3 |    |

20. (IF "YES") Which industries and why do you think they should be developed here?  
(MENTION THREE INDUSTRIES ONLY)

(1) Industry \_\_\_\_\_ Reason \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(2) Industry \_\_\_\_\_ Reason \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(3) Industry \_\_\_\_\_ Reason \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

21. Which of the following tools do you have in your farm?

|             |   |    |
|-------------|---|----|
| Hoe         | 1 | 64 |
| Panga       | 2 | 65 |
| Oxplough    | 3 | 66 |
| Oxcart      | 4 | 67 |
| Wheelbarrow | 5 | 68 |

22. Where do you normally get information about farming?

\_\_\_\_\_  69

\_\_\_\_\_

23. If you wanted to start a small industry making something that is most required in this area where would you go for advice? \_\_\_\_\_

\_\_\_\_\_  70

\_\_\_\_\_

III. VILLAGE POLYTECHNICS

Now I would like to ask you about the Village Polytechnic in this community.

24. When was the Village Polytechnic in this area started?

Year 19 \_\_\_\_\_   71, 72  
 (Code last two digit)

25. Who started this Project or whose idea was it?

Position in Community \_\_\_\_\_  75

26. Can you please tell me the kind of training being given at the Village Polytechnic?

\_\_\_\_\_  74

\_\_\_\_\_

27. (a) Do the students at the Polytechnic have any part of their training "on the job" within the local community?

|     |  |    |
|-----|--|----|
| Yes |  | 75 |
| No  |  |    |
| DK  |  |    |

(b) (IF "YES") What kinds of jobs do you know they have done in this community in the last months? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |        |
|--|--|--------|
|  |  | 76, 77 |
|--|--|--------|

28. (a) Do you think there is need for more trained people do this kind of job in this area?

|     |   |    |
|-----|---|----|
| Yes | 1 | 78 |
| No  | 2 |    |
| DK  | 3 |    |

END OF CARD I

28. (b) Why do you say so? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

8, 9

29. (a) Are there other jobs for which skilled people are lacking in this community?

Yes  
 No  
 DK

1  
 2  
 3      10

(b) (IF "YES") Which jobs or skills are there?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

11, 12

Now I would like to ask you about the Family Life Training Centre in this community.

30. When was the family life centre started?

Year 19 \_\_\_\_\_

13, 14

31. Who started this projects or whose idea was it?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

16

32. Can you, please tell me the kind of training being given at the Family Life Training Centre?

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

16

33. (a) Do the students at the Family Life Centre have any part of their training "On the Job" in the Local Community?

|     |   |    |
|-----|---|----|
| Yes | 1 | 17 |
| No  | 2 |    |
| DK  | 3 |    |

34. (IF "YES") What kinds of activities do you know they have been involved in the last six months?

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

 18, 19

35. Have you ever gone to the family life training centre for any purpose?

|     |   |    |
|-----|---|----|
| Yes | 1 | 20 |
| No  | 2 |    |

36. (IF "YES") For what purpose did you go there?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

 21, 22

37. (IF WENT FOR TRAINING OR DEMONSTRATION)  
Have you now adopted any techniques or methods you learn or any equipment you were shown at the Family Life Centre?

|     |   |    |
|-----|---|----|
| Yes | 1 | 23 |
| No  | 2 |    |

38. (IF "YES ") What method or technique or equipment was this? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

 24, 25



39. Now we have almost come to the end of the interview,  
I have only a few questions to ask you about yourself.

(DO NOT ASK) Respondent's Sex \_\_\_\_\_

|        |   |    |
|--------|---|----|
| Female | 1 | 26 |
| Male   | 2 |    |

40. Where were you born?

|                |                      |                      |        |
|----------------|----------------------|----------------------|--------|
| PLACE          | <input type="text"/> | <input type="text"/> | 27, 28 |
| DISTRICT _____ | <input type="text"/> | <input type="text"/> | 29, 30 |

41. In which year were you born (PROBE) 19 \_\_\_\_\_   31, 32

42. How long have you lived in this place?  
\_\_\_\_\_ years   33, 34

43. (a) Can you write or read in any language?

|     |   |
|-----|---|
| Yes | 1 |
| No  | 2 |

(b) (IF "YES") In what language?

|         |   |    |
|---------|---|----|
| Arabic  | 1 | 37 |
| Swahili | 2 | 38 |
| English | 3 | 39 |

44. What level of formal schooling did you attain?

|                                  |   |    |
|----------------------------------|---|----|
| None _____                       | 1 | 40 |
| Some Primary _____               | 2 |    |
| Completed Primary _____          | 3 |    |
| Some Secondary _____             | 4 |    |
| Completed Secondary _____        | 5 |    |
| University/Polytech./<br>College | 6 |    |
| Other (Specify) _____            | 7 |    |

45. (a) Have you had any additional training?

Yes

|   |
|---|
| 1 |
|---|

41

No

|   |
|---|
| 2 |
|---|

(b) (IF "YES") Please, say what \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

42, 43

46. What is your main occupation?

(Code only one)

1\_\_ Farmer

|   |
|---|
| 1 |
|---|

2\_\_ Shopkeeper/businessman

|   |
|---|
| 2 |
|---|

3\_\_ Agricultural labour  
(works for others)

|   |
|---|
| 3 |
|---|

4\_\_ Teacher

|   |
|---|
| 4 |
|---|

44

5\_\_ Civil servant

|   |
|---|
| 5 |
|---|

6\_\_ Fundi

|   |
|---|
| 6 |
|---|

7\_\_ Other \_\_\_\_\_

|   |
|---|
| 7 |
|---|

47. Do you do anything else to support yourself (earn a living)?

1\_\_ Farm

|   |
|---|
| 1 |
|---|

2\_\_ Shopkeeper/businessman

|   |
|---|
| 2 |
|---|

3\_\_ Agricultural labour (works for others)

|   |
|---|
| 3 |
|---|

4\_\_ Fundi

|   |
|---|
| 4 |
|---|

45

5\_\_ Other

|   |
|---|
| 5 |
|---|

9\_\_ No, does not have a secondary occupation

|   |
|---|
| 9 |
|---|

0\_\_ N.A.

|   |
|---|
| 0 |
|---|

48. About how many shillings do you earn every month?

\_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

46, 50

49. Do you own any land, and if so, how many acres?

(If no code 00) acres \_\_\_\_\_

|  |  |
|--|--|
|  |  |
|--|--|

51, 52

50. How many cattle, sheep, or goats do you own?  
 (RECEIVED ACTUAL NUMBER)

|                  |             |  |  |        |
|------------------|-------------|--|--|--------|
| Cattle _____     |             |  |  | 53, 54 |
| for none code 00 | Sheep _____ |  |  | 55-57  |
|                  | Goats _____ |  |  | 58-60  |

51. (a) Do you receive any money from relatives, or from anyone else?

|      |   |    |
|------|---|----|
| Yes  | 1 | 61 |
| No   | 2 |    |
| N.A. | 3 |    |

(Ask only if respondent answered "Yes" to previous question)

(b) In the average, how much do you receive every month?

|  |  |  |       |
|--|--|--|-------|
|  |  |  | 62-64 |
|--|--|--|-------|

INTERVIEWER \_\_\_\_\_  
 DATE \_\_\_\_\_

(TO BE FILLED IN BY INTERVIEWER AFTER COMPLETING INTERVIEW)

Do you think that the respondent gave honest answers to your questions?

|                                      |   |    |
|--------------------------------------|---|----|
| Yes _____                            | 1 | 65 |
| He/She sometimes gave honest answers | 2 |    |
| No _____                             | 3 |    |
| N.A. _____                           | 0 |    |

CHECKED BY \_\_\_\_\_

DATE \_\_\_\_\_

CODED BY \_\_\_\_\_

DATE \_\_\_\_\_

END OF CARD 2



**資料一 2 技術移轉調查質問様式 (2)**



INSTITUTE FOR DEVELOPMENT STUDIES

UNIVERSITY OF NAIROBI

QUESTIONNAIRE

"THE INSTITUTIONAL CONTEXT OF TECHNOLOGY TRANSFER IN KENYA: A STUDY OF SMALL-SCALE ENTERPRISES IN MACHAKOS, NYERI AND KISUMU"

Good morning/afternoon,

The Institute for Development Studies - for which I work - is undertaking a study to find out if and how small-scale entrepreneurs in selected areas of Kenya have been able to introduce new equipment or ways of doing things in their respective enterprises. More specifically, the study seeks to identify the local and/or foreign institutions (companies, associations, public authorities, organizations, publications, etc.) which have served as a source of information about new equipment or processes - or of the equipment and processes themselves - to small-scale entrepreneurs here in Kenya; and to assess the ease with which such equipment and processes have been or can be adopted.

Given the nature of the questions attached, the Institute has determined that the ideal respondent would be the entrepreneur himself/herself, or the person who manages the day-to-day operations of the enterprise on behalf of the entrepreneur. Your cooperation and assistance will therefore be highly appreciated. We assure you that the confidentiality of your business will not be infringed upon.

Questionnaire No: \_\_\_\_\_

Q1. What does your firm produce? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q2. Year the firm was established \_\_\_\_\_

Q3. Size of firm at present:

a) Managerial personnel: \_\_\_\_\_

b) Other full-time staff: \_\_\_\_\_

c) Casual labour: \_\_\_\_\_

Q4. Legal status of firm in Kenya:

a) Self-owned: \_\_\_\_\_

b) Partnership: \_\_\_\_\_

c) Limited company: \_\_\_\_\_

d) Other (specify): \_\_\_\_\_

Q5. Share of ownership in terms of nationality.

a) Kenyan: \_\_\_\_\_ %

b) Foreign: \_\_\_\_\_ %

TOTAL                      100%

Q6. Position of respondent in the firm:

a) Owner: \_\_\_\_\_

b) Managing director: \_\_\_\_\_

c) Other (specify): \_\_\_\_\_





Q7. cont'd

| (1) | (2) | (3) | (4)                        | (5)                        | (6) | (7) | (8) |
|-----|-----|-----|----------------------------|----------------------------|-----|-----|-----|
|     |     |     | d)<br>e)                   | d)<br>e)                   |     |     |     |
| 5)  |     |     | a)<br>b)<br>c)<br>d)<br>e) | a)<br>b)<br>c)<br>d)<br>e) |     |     |     |
| 6)  |     |     | a)<br>b)<br>c)<br>d)<br>e) | a)<br>b)<br>c)<br>d)<br>e) |     |     |     |
| 7)  |     |     | a)<br>b)<br>c)<br>d)<br>e) | a)<br>b)<br>c)<br>d)<br>e) |     |     |     |
| 8)  |     |     | a)<br>b)<br>c)<br>d)<br>e) | a)<br>b)<br>c)<br>d)<br>e) |     |     |     |

Q8. What were the main obstacles you had to overcome before acquiring or renting the equipment and techniques listed in question 7? (examples of obstacles are cost, access to loans, local or foreign competition, availability of needed skills, availability of marketing infrastructure, delays in delivery of equipment or techniques, uncertainty about spare parts, etc.).

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_

4. \_\_\_\_\_

\_\_\_\_\_

5. \_\_\_\_\_

\_\_\_\_\_

6. \_\_\_\_\_

\_\_\_\_\_

7. \_\_\_\_\_

\_\_\_\_\_

8. \_\_\_\_\_

\_\_\_\_\_

A9. Rank the following sources according to the frequency with which they provide you with information about equipment (machines etc.) or production/management techniques relevant to your enterprise; and also according to the number of machines, techniques, etc. which you have adopted as a result of contact with respective sources (highest frequency to rank first):

| SOURCE  | Ranking based on frequency of contact with source | Ranking based on number of machines, etc adopted as a result of contact with source |
|---|---|---|
| a) Government or privated extension service (specify: _____ )   |   |   |
| b) Local professional organization (specify: _____ )  |   |   |
| c) Local professional or trade journal(s) (specify: _____ )   |   |   |
| d) Foreign professional organization(s) (specify: _____ )   |   |   |
| e) Foreign professional or trade journal(s) (specify: _____ )   |   |   |
| f) Foreign associate(s) (Name associate(s) country or countries: _____ )  |   |   |
| g) Local associates (do these have foreign contacts? (Yes _____, No _____, Don't know _____ )   |   |   |
| h) Direct imitation of other entrepreneurs (are these mainly foreign _____, local _____, or both foreign and local _____ entrepreneurs? Mark as appropriate). |   |   |
| i) Other (specify: _____ )  |   |   |

Q10. List all the relevant equipment (c.g. machines) and production/management techniques of which your firm became aware but did not or could not obtain, by source of information, source and function of equipment or technique, and reason(s) for not obtaining the equipment or technique.

| Name of the equipment or technique | Source of information | Source of equipment or technique | Function of equipment or technique | Reason(s) for not obtaining the equipment or technique |
|------------------------------------|-----------------------|----------------------------------|------------------------------------|--|
| 1)                                 |                       |                                  |                                    |  |
| 2)                                 |                       |                                  |                                    |  |
| 3)                                 |                       |                                  |                                    |  |
| 4)                                 |                       |                                  |                                    |  |
| 5)                                 |                       |                                  |                                    |  |
| 6)                                 |                       |                                  |                                    |  |
| 7)                                 |                       |                                  |                                    |  |
| 8)                                 |                       |                                  |                                    |  |
| 9)                                 |                       |                                  |                                    |  |
| 10)                                |                       |                                  |                                    |  |

Q11. If you have any further comments on the points raised in this questionnaire, please make them on this page.







**資料－3 技術移転調査質問様式(3)**



QUESTIONNAIRE

THE INSTITUTIONAL CONTEXT OF TECHNOLOGY TRANSFER IN KENYA  
A STUDY OF SMALL ENTREPRENEURS IN MACHAKOS, NYERI  
AND KISUMU

KAZUHIDE OKADA  
I. D. S.  
UNIVERSITY OF NAIROBI

MARCH, 1981



- Q9. Do you have any sources of the new technology?
- ( ) yes (specify:  
 ( ) no
- Q10. What is the main obstacles in order to introduce a new technology
- ( ) lack of technology source  
 ( ) lack of fund  
 ( ) lack of ability to handle a new technology  
 ( ) other (specify:
- Q11. What aspect of technology do you stand most in need of?
- ( ) Engineering technology  
 ( ) Managerial technology
- Q12. What aspect of engineering does your enterprise stand most in need of?
- ( ) testing and examination  
 ( ) research and development  
 ( ) training skills  
 ( ) other (specify:
- Q13. What aspect of managerial skills does your enterprise stand most need of?
- ( ) accounting/bookkeeping  
 ( ) production  
 ( ) personnel/organization  
 ( ) marketing  
 ( ) other (specify:
- Q14. Have you ever tried to access to some of institutions or organizations which could provide you with services concerning with the above-listed problems?
- ( ) yes  
 ( ) no If you answered 'no', skip the questions until Q19.
- Q15. How many times did you contact?
- ( ) only once  
 ( ) more than twice  
 ( ) often
- Q16. What are the institutions or organizations?

Q17. Were you satisfied with the result?

- very satisfied
- fairly satisfied
- neither satisfied nor dissatisfied
- fairly dissatisfied
- extremely dissatisfied

Q18. If you answered 'neither satisfied nor dissatisfied', 'fairly dissatisfied', or 'extremely dissatisfied', would you write your reasons.

Q19. If you answered 'no', identify your reasons.

- because I didn't know there was such an organization.
- I hesitated to contact although I knew there was such an organization.
- I wondered if I could get relevant consultation about the matters, because I did not know much about such organization.
- other (specify:

Q20. What are the usual information sources for your problem solving

- Professional association or society
  - Kenyan
  - InternationalIf you answered 'International' specify the name of the country/countries in which those sources are based.
- Journals
  - Kenyan
  - International or foreign(specify:
- personal acquaintances
  - Kenyan
  - Foreigners: (specify:
- governmental institutions or organizations
- other (specify:

Q21. Would you explain your comments and feelings about the present technological assistance setups in Kenya?

**\* Background survey**

1. What are you producing?
2. Year of establishment
3. Size of the company: Total No. of employees
  - Managerial personnels
  - Permanent workers (non-managerial)
  - Temporray workers
4. Legal status of the company
  - a) Selfowned
  - b) Partnership
  - c) Limited company
  - d) other (specify:
5. If you answered b) or c) in the question 4, show the share of ownership in terms of nationality.
  - a) Kenyan %
  - b) foreigners %
6. Your position in the company:
  - a) owner
  - b) Managing Director
  - c) Others (specify:
7. The highest level of formal education completed.
8. How many years have you been working in this company?
9. What different kinds of jobs have you done and how long?

| Jobs | No. of years held |
|------|-------------------|
| 1.   |                   |
| 2.   |                   |
| 3.   |                   |
10. What kinds of jobs have you held prior to join this company and how long?

| Jobs | No. of years held |
|------|-------------------|
| 1.   |                   |
| 2.   |                   |
| 3.   |                   |
11. Where did you learn your skills/knowledge that you are using now?





資料－４ ケニヤにおける技術移転関連機関一覧表



No.

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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|         |  |
|---------|--|
| Date    |  |
| Name    |  |
| Sources |  |

## Supporting organization (OTHER GOVT. CORPORATIONS AND DEPTS)

| No. | Name of Institute  | Speciality                            | Level of Technology | Location Tel.          | Establi- shed year | No. of Staffs | No. of student | Function (A, B, C) |       |     |       |      | Tech. Sources | Interface |            |   |
|-----|--|---------------------------------------|---------------------|------------------------|--------------------|---------------|----------------|--------------------|-------|-----|-------|------|---------------|-----------|------------|---|
|     |  |                                       |                     |                        |                    |               |                | Educ               | Train | R/D | Diff. | Test |               |           | Cons.      |   |
| 1.  | INSTITUTE FOR METEOROLOGICAL TRAINING AND RESEARCH             |                                       | B                   | Nairobi 568444/ 569959 |                    |               |                |                    |       |     |       |      |               |           |            |   |
| 2.  | Kenya Posts and Telecommunications (1) Central Training School | Telecommunications. Engineering       | B                   | Nairobi 891201         |                    |               |                |                    | A     | A   | C     | X    | A             | X         | A and F    | X |
|     | (11) Kenya Training School                                     | "                                     | C                   | Nairobi 582404         |                    |               |                |                    | A     | A   | X     | X    | X             | X         | A, D and F | X |
| 3.  | Railway Training School  | X                                     | X                   | Nairobi 556311         | X                  | X             | X              |                    | X     | X   | X     | X    | X             | X         | X          | X |
| 4.  | EAP & L Training School  | Mechanical and Electrical Engineering | B                   | Runka 2345 & 2348      | X                  | X             | X              |                    | A     | A   | C     | X    | A             | X         | X          | X |
| 5.  | Bata Shoe Training College                                     | Leather technology                    | B                   | Limuru 251             | X                  | X             | X              |                    | A     | A   | C     | X    | A             | X         | X          | X |

## TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA

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## Supporting organization (MINISTRY OF CULTURE AND SOCIAL SERVICES)

| No. | Name of Institute                            | Speciality                                       | Level of Technology | Location Tel.    | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |            | Tech. Sources | Interface |
|-----|--|--|---------------------|------------------|------------------|---------------|----------------|------------------|-------|-----|------------|---------------|-----------|
|     |  |  |                     |                  |                  |               |                | Educ             | Train | R/D | Diff. Test |               |           |
| 1.  | Industrial Rehabilitation Centre             | X  | C                   | Nairobi 22610    | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 2.  | Ahero Family Life Training Centre            | Craft training, Nutrition Animal Husbandry.      | C                   | Ahero 28         | 1974             | 5             | X              | B                | C     | C   | X          | A, C and D    | X         |
| 3.  | Kisii Rural Vocational Rehabilitation Centre | X  | C                   | Kisii 30         | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 4.  | Itando N.R. Centre                           | X  | C                   | Maragoli 149     | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 5.  | Kenyatta Educational Institute               | X  | C                   | Njoro 12         | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 6.  | Rural V.R. Centre, Kericho                   | X  | C                   | Kericho 92       | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 7.  | Kigumo Family Life Training Centre           | Craft, Nutrition, Animal Husbandry, Agriculture. | C                   | Kigumo 11        | 1974             | 3             | X              | B                | C     | C   | X          | A, C and D    | X         |
| 8.  | Muriranga's Rehabilitation Centre            | X  | C                   | Kahuro 36        | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 9.  | Nyandarua Rehabilitation Centre              | X  | C                   | Ol Joro Orok 222 | X                | X             | X              | X                | X     | X   | X          | X             | X         |
| 10. | Rural V.R. Centre, Embu                      | X  | C                   | Embu 169         | X                | X             | X              | X                | X     | X   | X          | X             | X         |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute                     | Speciality   | Level of Technology | Location Tal.  | Established year | No. of Staffs | No. of Student | Educ | Function (A, B, C) |     |       |      | Tech. Sources | Interface |       |
|-----|---------------------------------------|--|---------------------|----------------|------------------|---------------|----------------|------|--------------------|-----|-------|------|---------------|-----------|-------|
|     |                                       |  |                     |                |                  |               |                |      | Train              | R/D | Diff. | Test |               |           | Cons. |
|     |                                       |  |                     |                |                  |               |                |      |                    |     |       |      |               |           |       |
| 11. | Kirinyaga Family Life Training Centre | Craft training, Nutrition, Animal Husbandry, Agriculture     | C                   | Wanguru 31     | 1974             | 3             | X              | B    | C                  | C   | C     | X    | A, C and D    | X         |       |
| 12. | Kilifi Family Life Training Centre    | Craft training, Nutrition, Animal Husbandry and Agriculture  | C                   | Kilifi 94      | 1974             | 4             | X              | B    | C                  | C   | C     | X    | A, C and D    | X         |       |
| 13. | Bura Rehabilitation Centre            | X  | X                   | Mwatate 20     | X                | X             | X              | X    | X                  | X   | X     | X    | X             | X         |       |
| 14. | Kenya School of Social Work Kabeta    | X  | X                   | Nairobi 582366 | X                | X             | X              | X    | X                  | X   | X     | X    | X             | X         |       |
| 15. | Kirathimo F.I.T.C.                    | Craft Training, Nutrition, Animal, Husbandry and Agriculture | C                   | Limuru         | 1974             | 3             | X              | B    | C                  | C   | C     | X    | A, C and D    | X         |       |
| 16. | Iwak FLTC                             | "  | C                   | X              | 1974             | 2             | X              | B    | C                  | C   | C     | X    | A, C and C    | X         |       |
| 17. | Butula FLTC                           | "  | C                   | X              | 1974             | 5             | X              | B    | C                  | C   | C     | X    | A, C and D    | X         |       |
| 18. | Kanduyi FLTC                          | "  | C                   | X              | 1974             | 3             | X              | B    | C                  | C   | C     | X    | A, C and D    | X         |       |
| 19. | Mbooni                                | "  | C                   |                | 1974             | 3             | X              | B    | C                  | C   | C     | X    | "             | X         |       |
| 20. | Kwale                                 | Not  | Yet                 | Officially     | Opened           |               |                |      |                    |     |       |      |               |           |       |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
 \*\*\*\*\*

No.

|         |
|---------|
| Date    |
| Name    |
| Sources |

Supporting organization (MINISTRY OF CULTURE & SOCIAL SERVICES (contd.))

| No. | Name of Institute                    | Speciality  | Level of Technology | Location Tel. | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       | Tech. Sources | Interface |               |                         |
|-----|--------------------------------------|---|---------------------|---------------|------------------|---------------|----------------|------------------|-------|-----|-------|---------------|-----------|---------------|-------------------------|
|     |                                      |   |                     |               |                  |               |                | Educ             | Train | R/D | Diff. |               |           | Test          | Cons.                   |
| 21. | Kapenguria<br>FLTC                   | Handicraft,<br>Nutrition,<br>Animal Husbandry,<br>Agriculture | C                   |               | 1978             | 2             | X              | B                | B     | C   | C     | C             | X         | A, C and<br>D | X                       |
| 22  | Centre for<br>Research &<br>Training | Appropriate<br>Technology                                     | B and C             | Karen         | 1970             | 8             | X              | B                | A     | A   | X     | X             | X         | A, D and<br>F | Village<br>Polytechnics |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
 \*\*\*\*\*

No.

|         |
|---------|
| Date    |
| Name    |
| Sources |

Supporting organization (MINISTRY OF ENVIRONMENT AND NATURAL RESOURCES)

| No. | Name of Institute                      | Speciality             | Level of Technology | Location Tel.                            | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      |       | Tech. Sources | Interface   |
|-----|--|------------------------|---------------------|--|------------------|---------------|----------------|------------------|-------|-----|-------|------|-------|---------------|---|
|     |  |                        |                     |  |                  |               |                | Educ             | Train | R/D | Diff. | Test | Cons. |               |   |
| 1.  | KENYA FORESTRY COLLEGE                 | X                      | B                   | Londiani 29                              | X                | X             | X              | X                | X     | X   | X     | X    | X     | X             | X   |
| 2.  | FOREST IND. TRAINING CENTRE            | X                      | B                   | NAKURU 2109 and 2778                     | X                | X             | X              | X                | X     | X   | X     | X    | X     | X             | X   |
| 1.  | INDUSTRIAL SURVEY AND PROMOTION CENTRE | Industrial Consultancy | A                   | MINISTRY OF INDUSTRY Nairobi Tel. 332811 | X                | X             | X              | X                | X     | X   | X     | X    | X     | X             | Kenya Polytechnic National Council for Science & Technology |
| 2.  | KENYA INDUST. TRAINING INSTITUTE       | Industrial Training    | B                   | Nakuru 2476                              | X                | X             | X              | X                | X     | X   | X     | X    | X     | X             | "   |
| 3.  | KENYA INDUST. RESEARCH DEV.            | Industrial Research    | A                   | Nairobi 557762                           | X                | X             | X              | X                | X     | X   | X     | X    | X     | X             | "   |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

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| Date    |
| Name    |
| Sources |

Supporting organization (OFFICE OF THE PRESIDENT)

| No. | Name of Institute   | Speciality               | Level of Technology | Location Tel.            | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       | Tech. Sources | Interface |            |       |
|-----|---|--------------------------|---------------------|--------------------------|------------------|---------------|----------------|------------------|-------|-----|-------|---------------|-----------|------------|-------|
|     |   |                          |                     |                          |                  |               |                | Educ             | Train | R/D | Diff. |               |           | Test       | Cons. |
| 1.  | National Council for Science and Technology                                 | Research and Development | A                   | Nairobi 336173           | X                | 22            | None           | X                | X     | A   | X     | X             | X         | D, A and F | X     |
| 2.  | National Youth Service<br>Advance Mechanic and Engineering Training Centres | Training                 | B                   | Nairobi 559933<br>558806 | X                | X             | X              | X                | X     | A   | X     | X             | X         | X          | X     |



TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute     | Speciality  | Level of Technology | Location Tel.  | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      | Tech. Sources | Interface |                    |
|-----|-----------------------|---|---------------------|----------------|------------------|---------------|----------------|------------------|-------|-----|-------|------|---------------|-----------|--------------------|
|     |                       |   |                     |                |                  |               |                | Educ             | Train | R/D | Diff. | Test |               |           | Cons.              |
| 1.  | WATER TRAINING SCHOOL | (i) Water Supplies<br>(ii) Water Engineering<br>(iii) Drilling and Sewerage<br>(iv) Hydrology<br>(v) Laboratory technicians<br>(vi) Motor Vehicle technicians<br>(vii) Irrigation and Survey<br>(viii) Electrical technicians | B                   | Nairobi 558405 | 1978             | 23            | 555            | X                | A     | C   | B     | X    | X             | D         | Kenya Poly-technic |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute                             | Speciality               | Level of Technology | Location Tel.  | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       | Tech. Sources | Interface  |                         |
|-----|---|--------------------------|---------------------|----------------|------------------|---------------|----------------|------------------|-------|-----|-------|---------------|------------|-------------------------|
|     |   |                          |                     |                |                  |               |                | Educ             | Train | R/D | Diff. |               |            | Test                    |
| 1.  | ANIMAL HEALTH and INDUSTRY TRAINING INSTITUTE | Education and Training   | A                   | Nairobi 592241 | X                | X             | X              | A                | C     | X   | A     | C             | A and D    | Egerton, Embu Institute |
| 2.  | MEAT TRAINING CENTRE                          | X                        | X                   | Ashi River 248 | X                | X             | X              | A                | A     | C   | A     | C             | A and D    | X                       |
| 3.  | DAIRY TRAINING SCHOOL                         |                          |                     | Naivasha 48    | X                | X             | X              | A                | A     | A   | X     | X             | A, D and F | X                       |
| 4.  | NATIONAL ANIMAL HUSBANDRY RESEARCH STATION    | Research and Development |                     | Naivasha 48    | X                | X             | X              | C                | C     | A   | X     | X             | A, D and F | X                       |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA

No.

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| Date    |
| Name    |
| Sources |

Supporting organization (MINISTRY OF AGRICULTURE)

| No.                 | Name of Institute                              | Speciality  | Level of Technology | Location Tel.   | Establi- shed year | No. of staffs | No. of Student | Function (A,B,C) |       |     |       |      | Tech. Sources | Interface                                 |       |
|---------------------|--|---|---------------------|-----------------|--------------------|---------------|----------------|------------------|-------|-----|-------|------|---------------|---|-------|
|                     |  |   |                     |                 |                    |               |                | Educ             | Train | R/D | Diff. | Test |               |   | Cons. |
| 1.                  | Kenya Agric. Research Institute                | Improvement in farming methods and Scientific farming |                     | Kakuyu 2121     | X                  | X             | X              | X                | X     | X   | X     | X    | X             | Egerton College                           |       |
| 2.                  | Bukura Inst. of Agriculture                    | Farming skills  | B                   | Butere 23       | X                  | X             | X              | A                | C     | A   | X     | X    | D             | Egerton College, AHIT and EMBU Institute. |       |
| 3.                  | Farmer's Training Centres (f) Central Province |   |                     |                 |                    |               |                |                  |       |     |       |      |               |   |       |
| 1.                  | Wambugu  | F   | C                   | Nyeri 2071      | X                  | X             | 1918           | A                | B     | C   | X     | B    | X             | D   | None  |
| 2.                  | Waruhiu  | A   | C                   | Gichunguri 26   | 1958               | X             | 743            | A                | B     | C   | X     | B    | X             | D   | "     |
| 3.                  | Kenyatta                                       | M   | C                   | Kigumo 13       | 1961               | X             | 751            | A                | B     | C   | X     | B    | X             | D   | "     |
| 4.                  | Njabini  | N   | C                   | S.Kinna-rop 3Y6 | X                  | X             | 956            | A                | B     | C   | X     | B    | X             | D   | "     |
| 5.                  | O1 Joro Orok                                   | C   | C                   | Nyahururu 62Y1  | X                  | X             | 1007           | A                | B     | C   | X     | B    | X             | D   | "     |
| 6.                  | Kagochi  | C   | C                   | X               | X                  | X             | X              | A                | B     | C   | X     | B    | X             | D   | "     |
| (ii) Coast Province |  |   |                     |                 |                    |               |                |                  |       |     |       |      |               |   |       |
| 1.                  | Mwapa  |   | C                   | Mombasa 485237  | 1965               | X             | 538            | A                | B     | C   | X     | B    | X             | D   | "     |
| 2.                  | Taita  |   | C                   | Wundanyi 43     | X                  | X             | X              | A                | B     | C   | X     | B    | X             | D   | "     |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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| Date    |
| Name    |
| Sources |

Supporting organization (MINISTRY OF AGRICULTURE (contd.))

| No. | Name of Institute        | Speciality                      | Level of Technology | Location Tel. | Establi- shed year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      | Tech. sources | Interface |       |
|-----|--------------------------|---------------------------------|---------------------|---------------|--------------------|---------------|----------------|------------------|-------|-----|-------|------|---------------|-----------|-------|
|     |                          |                                 |                     |               |                    |               |                | Educ             | Train | R/D | Diff. | Test |               |           | Cons. |
|     | (11) Eastern Province    | M<br>E<br>T<br>H<br>O<br>D      | C                   | NKURU 30      | 1961               | X             | 1228           | A                | B     | C   | X     | B    | X             | D         | None  |
|     | 1. Kaguru                |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 2. Kaaga                 |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | (1v) Nyanza Province     | F<br>A<br>R<br>M<br>I<br>N<br>G | C                   | Maseno 8      | X                  | X             | X              | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 1. Siriba                |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 2. Homa Bay              |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 3. Maseno                |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 4. Siaya                 |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 5. Kisii                 |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | (v) Rift Valley Province |                                 | C                   | Sabatia 10    | X                  | X             | X              | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 1. Naresura              |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 2. Baringo               |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 3. Eldoret               |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 4. Kabiranga             |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 5. Nyahururu             |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 6. Chebororwa            |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 7. Kamwetí               |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |
|     | 8. Narok                 |                                 |                     |               |                    |               |                | A                | B     | C   | X     | B    | X             | D         | "     |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute                    | Speciality   | Level of Technology | Location Tel. | Establi- shed year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |            | Tech. Sources | Interface |         |  |
|-----|--------------------------------------|--|---------------------|---------------|--------------------|---------------|----------------|------------------|-------|-----|------------|---------------|-----------|---------|--|
|     |                                      |  |                     |               |                    |               |                | Educ             | Train | R/D | Diff. Test |               |           |         |  |
|     | (vii) <u>Western Province</u>        |  |                     |               |                    |               |                |                  |       |     |            |               |           |         |  |
|     | 1. Kaimosi                           |  | C                   | Kaimosi 4     | 1957               | X             | 929            | A                | B     | C   | X          | B             | X         | D       | None                                       |
|     | 2. Busia                             |  | C                   | Busia 24      | X                  | X             | X              | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 3. Bukura                            |  | C                   | X             | 1959               | X             | 2216           | A                | B     | C   | X          | B             | X         | D       | "  |
|     | (viii) <u>Nairobi Province</u>       |  |                     |               |                    |               |                |                  |       |     |            |               |           |         |  |
|     | 1. Ngong                             | X  | C                   | Karen 2574    | X                  | X             | 529            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | <u>OTHERS</u>                        |  |                     |               |                    |               |                |                  |       |     |            |               |           |         |  |
|     | 1. Kianyaga                          | X  | C                   | X             | 1961               | X             | 849            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 2. Machakos                          | X  | C                   | X             | 1963               | X             | 1914           | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 3. Embu                              | X  | C                   | X             | 1961               | X             | 680            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 4. Kitui                             | X  | C                   | X             | X                  | X             | 733            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 5. Bomet                             | X  | C                   | X             | X                  | X             | 489            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 6. Isinya                            | X  | C                   | X             | X                  | X             | 246            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 7. Lugari                            | X  | C                   | X             | 1971               | X             | 698            | A                | B     | C   | X          | B             | X         | D       | "  |
|     | 8. Griftu                            | X  | C                   | X             |                    | X             | 33             | A                | B     | C   | X          | B             | X         | D       | "  |
| 6.  | <u>EMBU INSTITUTE OF AGRICULTURE</u> | 1. Crop production<br>2. Animal production<br>3. Agricultural Engineering<br>4. Home Economics<br>5. Farm Management | B                   | Embu 49       | X                  | 42            | 460            | A                | A     | C   | X          | A             | X         | A and D | A.H.I.T.I. Egerton Ministry of Agriculture |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute                  | Speciality                                    | Level of Technology | Location Tel.             | Established year                | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       | Tech. Sources | Interface |       |                   |
|-----|------------------------------------|---|---------------------|---------------------------|---------------------------------|---------------|----------------|------------------|-------|-----|-------|---------------|-----------|-------|-------------------|
|     |                                    |   |                     |                           |                                 |               |                | Educ             | Train | R/D | Diff. |               |           | Test  | Cons.             |
| 1.  | DIRECTORATE OF INDUSTRIAL TRAINING | (i) Trade Testing<br>(ii) Industrial Training | B and C             | Nairobi 557688 and 557190 | In existence since Independence | X             | 7364           | B                | A     | C   | X     | A             | C         | A & D | Kenya Polytechnic |
| 2.  | NAIROBI INDUST. TRAINING CENTRE    | Craft Training                                | B and C             | Nairobi 557665            | X                               | X             | 223            | A                | A     | C   | X     | C             | C         | D     | D.I.T.            |
| 3.  | KISUMU INDUST. TRAINING CENTRE     | Craft Training                                | B and C             | Kisumu 41800              | X                               | X             | 156            | A                | A     | C   | X     | C             | C         | D     | D.I.T.            |
| 4.  | MONBASA INDUST. TRAINING CENTRE    | Craft Training                                | B and C             | Mombasa 485711            | X                               | X             | 95             | A                | A     | C   | X     | C             | C         | D     | D.I.T.            |
| 5.  | TEXTILE TRAINING CENTRE            | Textile Technology                            | A                   | X                         | X                               | X             | X              | X                | X     | X   | X     | X             | X         | A     | D.I.T.            |

Supporting organization (MINISTRY OF LABOUR)

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No.  | Name of Institute               | Speciality                                 | Level of Technology | Location Tel.              | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      | Tech. Sources | Interface |       |
|--|---------------------------------|--|---------------------|----------------------------|------------------|---------------|----------------|------------------|-------|-----|-------|------|---------------|-----------|-------|
|  |                                 |  |                     |                            |                  |               |                | Educ             | Train | R/D | Diff. | Test |               |           | Cons. |
|  |                                 |  |                     |                            |                  |               |                |                  |       |     |       |      |               |           |       |
| <u>Supporting organization (MINISTRY OF EDUCATION)</u> |                                 |  |                     |                            |                  |               |                |                  |       |     |       |      |               |           |       |
|  | <u>INSTITUTES OF TECHNOLOGY</u> |  |                     |                            |                  |               |                |                  |       |     |       |      |               |           |       |
| 1.   | GUSII                           | Secretarial Training                       | C                   | Kisii 266                  | 1976             | 4             | 52             | C                | B     | C   | B     | B    | C             | D         | D.I.T |
| 2.   | KIambu                          | Building Construction                      | C                   | Kiambu 2236<br>Kiambu 2352 | 1973             | 28            | 250            | C                | B     | C   | B     | B    | C             | D         | "     |
| 3.   | KIMATHI                         | Secretarial Training                       | C                   | Nyeri 4005                 |                  |               |                | B                | B     | C   | B     | B    | C             | D         | "     |
| 4.   | KIRINYAGA                       | Business Technology                        | C                   |                            | 1978             | 7             | 57             | B                | B     | C   | B     | B    | C             | D         | "     |
| 5.   | MURANG'A                        | Building Construction, Garment Manufacture | C                   | Xerugoya 75                | 1977             | 8             | 86             | B                | B     | C   | B     | B    | C             | D         | "     |
| 6.   | RAMOGI                          | Mechanical Engineering, Carpentry          | C                   | Murang'a 66                | 1976             | 10            | 102            | B                | B     | C   | B     | B    | C             | D         | "     |
| 7.   | RIFT VALLEY                     | Home Science                               | C                   |                            |                  |               |                | B                | B     | C   | B     | B    | C             | D         | "     |
| 8.   | SANG'ALO                        | Building Construction                      | C                   | Nyang'ori 44               | 1976             | 3             | 15             | B                | B     | C   | B     | B    | C             | D         | "     |
|  |                                 | Garment Manufacture                        | C                   | Nakuru 41566               | 1979             | 10            | 78             | B                | B     | C   | B     | B    | C             | D         | "     |
|  |                                 | Building Construction                      | C                   | Bungoma 7                  | 1977             | 5             | 77             | B                | B     | C   | B     | B    | C             | D         | "     |
|  |                                 | Agriculture                                | C                   |                            |                  |               |                | B                | B     | C   | B     | B    | C             | D         | "     |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

| No. | Name of Institute | Speciality                                      | Level of Technology | Location Tel.  | Establi- shed year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       | Tech. Sources | Interface |      |                               |
|-----|-------------------|---|---------------------|----------------|--------------------|---------------|----------------|------------------|-------|-----|-------|---------------|-----------|------|-------------------------------|
|     |                   |   |                     |                |                    |               |                | Educ             | Train | R/D | Diff. |               |           | Test | Cons.                         |
| 1.  | KABETE            | TECHNICAL SCHOOL<br>Engineering Building        | C                   | Nairobi 592139 | X                  |               | 926            | A                | A     | C   | C     | A             | X         | D    | D.I.T. and Kenya Poly-technic |
| 2.  | KAIBOI            | Engineering                                     | C                   | X              | X                  |               | 445            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 3.  | KINYANJUI         | Engineering                                     | C                   | Nairobi 560485 | X                  |               | 307            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 4.  | KISUMU            | Engineering                                     | C                   | Kisumu 40161   | X                  |               | 600            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 5.  | MACHAKOS          | Engineering                                     | C                   | Machakos 21604 | X                  | X             | 584            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 6.  | NAWEGO            | Building  | C                   | Kenya Bay 28   | X                  | X             | 399            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 7.  | MERU              | Building  | C                   | Meru 111       | X                  | X             | 545            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 8.  | NOMBASA           | Building  | C                   | X              | X                  | X             | 425            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 9.  | NAIROBI           | Engineering                                     | C                   | X              | X                  | X             | 687            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 10. | NAKURU            | Engineering Business Ed.                        | C                   | X              | X                  | X             | 782            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 11. | NYERI             | Engineering Industrial Tailoring & Business Ed. | C                   | Nyeri 2330     | X                  | X             | 519            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 12. | RIFT VALLEY       | Engineering                                     | C                   | X              | X                  | X             | 658            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 13. | THIKA             | Engineering & Agricultural Mechanics            | C                   | Thika 21931    | X                  | X             | 622            | A                | A     | C   | C     | A             | X         | D    | "                             |
| 14. | SIGALAGALA        | Building & Surveying                            | C                   | Khayega 601    | X                  | X             | 408            | A                | A     | C   | C     | A             | X         | D    | "                             |

Supporting organization (MINISTRY OF EDUCATION (contd.))



TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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Supporting organization (MINISTRY OF EDUCATION (contd.))

| No. | Name of Institute                        | Speciality   | Level of Technology | Location Tel.  | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      | Interface |           |   |
|-----|--|--|---------------------|----------------|------------------|---------------|----------------|------------------|-------|-----|-------|------|-----------|-----------|---|
|     |  |  |                     |                |                  |               |                | Educ             | Train | R/D | Diff. | Test |           | Cons.     | Tech. Sources   |
| 15. | NRABUNE                                  | Commercial Education   | C                   | Maru 276       | X                | X             | 145            | A                | A     | C   | C     | A    | X         | D         | D.I.T. and Kenya Poly-technic   |
| 1.  | OTHER INSTITUTIONS<br>Kenya Poly-technic | (i)Mechanical Engineering<br>(ii)Electrical Engineering<br>(iii)Building<br>(iv)Science<br>(v)Business Studies<br>(vi)Printing<br>(vii)Inst. Management<br>(viii)General studies<br>(ix)Lib. Science | A                   | Nairobi 338231 | 1961             |               | 2385           | A                | A     | C   | X     | A    | C         | A,B and D | Directorate of Industrial Training (D.I.T.) Mombasa Polytechnic, and K.T.T.C. |
| 2.  | MOMBASA POLY-TECHNIC                     | X  | A                   | Mombasa 24222  | X                | X             | X              | X                | X     | X   | X     | X    | X         | A and D   | D.I.T. and Kenya Poly-technic   |
| 3.  | KENYA TECHNICAL TEACHERS COLLEGE         | X  | A                   | Nairobi 520211 | 1977             | X             | X              | X                | X     | X   | X     | X    | X         | A and D   | X   |

TOTAL LIST OF INSTITUTIONAL COMPONENT FOR TECHNOLOGY TRANSFER SYSTEM IN KENYA  
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No.

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| Date    |
| Name    |
| Sources |

Supporting organization (MINISTRY OF EDUCATION (contd.))

| No. | Name of Institute                                   | Speciality                                  | Level of Technology | Location Tel. | Established year | No. of Staffs | No. of Student | Function (A,B,C) |       |     |       |      | Tech. Sources | Interface               |
|-----|---|---|---------------------|---------------|------------------|---------------|----------------|------------------|-------|-----|-------|------|---------------|-------------------------|
|     |   |   |                     |               |                  |               |                | Educ             | Train | R/D | Diff. | Test |               |                         |
| 4.  | EGERTON AGRICULTURAL COLLEGE                        | Agricultural Science and Biological Science | A                   | Njoro 77      |                  | X             | X              | X                | X     | X   | X     |      |               | Ministry of Agriculture |
| 5.  | JOMO KENYATTA COLLEGE OF AGRICULTURE AND TECHNOLOGY | NOT   | YET                 | IN OPERATION  |                  |               |                |                  |       |     |       |      |               |                         |





資料－5 ケニヤにおける技術移転関連機関調査マニュアル



Survey Manual for total

List of Institutional Component of Technology

Transfer System in Kenya

I Purposes of this survey:

- (1) To review all institutionalized technology transfer system which already have established in Kenya.
- (2) To find the lacking functions in the existing institutionalized technology transfer systems.

II Measures of effectiveness

- (1) Elaborative survey is preferable. Especially the items on "Functions" are very important.
- (2) Evaluation on each survey item should be severe rather than "lenient in marks".
- (3) Survey should be covered as wide as possible.

III Survey procedures

- (1) There might be already a similar table in somewhere in Kenya. Please check it in the possible organization first of all.  
(ex. Co-ordinating Division in Ministry of Economic Planning and Community Affairs UNESCO. Library)
- (2) Utilize the existing table as possible. Rearrange the existing table for our purposes.
- (3) Ask then to the supporting organization. Use Telephone as possible.
  - (1) Each Ministry
  - (2) Each City office
  - (3) Government Company  
(ex. KIE, Kenya Air line etc.)
- (4) Private organization (ex, NCCK, eec)
- (5) Private Association  
(ex. Kenya Machinery Association etc.)

- (6) International Organization  
(ex. U.N.) UNESCO, etc.)

### III How to fill the survey paper

- (1) Write supporting organization on the left upper corner, supporting organization means

Each Ministry, Each city office, Government Company.  
Private organization, private association, community, etc.

- (2) Write data, name of surveyor and data sources on the right upper corner.

- (3) Write a full name of Institute

- (4) Write all specialities on training and R/D in the Institute

- (5) Evaluate the level of technology and fill the evaluation in A, B, C.

- A. high technology (Internationally competitive)
- B. medium technology
- C. low technology (primitive)

- (6) Write the address and telephone

- (7) Write established year

- (8) Write No. of staffs

- (9) Write No. of students/trainees (or clients for consultancy)

- (10) Evaluate each function in the stages and fill it in A,B,C,

- A: functionably working nicely,
- B: not well working
- C: lacking the function.

\*Explanations on each function.

- a. Education:

Focus on basic knowledge, theory and engineering

- b. Training:

Focus on skill formation

- c. R/D (Research and Development)

Research and Development on rural appropriate technology  
and more advanced technology.



**d. Diffuse:**

Focus on the diffusing process of the developed (or transferred) technology.

**e. Test/QC: Test/Quality Control.**

Focus on Test and/or Quality Control of the diffused technology.

**f. Consulting:**

Focus on Consulting  
(Engineering, managerial and Financial)

**(11) Fill Technical Information**

Sources. in the following classifications.

**A: Professional Association or Society**

**B: Journals**

**C: Personal acquaintances**

**D: Other government Institutions or organization.**

**E: None**

**F: Other**

**(12) Write Interface if any,**

Interface means the interaction and interrelationship between the institution and other institutions or organizations.

**NOTE 1.** If you are uncertain in survey or you could not survey on any survey item, please just write X in the corresponding space.

**NOTE 2.** Each Function item interacts. So if you have more than two choices, please select the most important one, which the institute thinks.



資料－6 ケニヤの伝統産業地域・種類一覧表



POSSIBLE AREAS AND SITES OF THE STILL EXISTING

TRADITIONAL/INDIGENOUS CRAFTS AND INDUSTRIES:

| DISTRICT     | INDUSTRY                          | PRODUCTS  | NAME OF THE PRODUCER   | LOCATION                 | CHIEF OF THE LOCATION | NEAREST URBAN MARKET CENTER  |
|--------------|-----------------------------------|---|--|--------------------------|-----------------------|--|
| SOUTH NYANZA | Black-Smith<br>(from Scrap-Metal) | Hoes, Knives<br>Spears, Brace-<br>lets etc.             | 1- Jacob Omito<br>2- Phillip Okelo<br>3- Michael Ogola<br>4- Ochiiko Midigo<br>5- Midigo Ombija<br>6- Ongere Omanywa | KOCHIA                   | FRANCIS OYUGI         | HOMA-BAY<br>(OMOYA MARKET)   |
|              | Black-Smith                       | Iron-Imple-<br>ments                                    | Joseph Murimi Chacha   | Suna/Migori              |                       | 1 or klm from<br>the junction<br>of Macalder and<br>Kihancha Road<br>on the right. |
|              | Black-Smith<br>(from scrap-Metal) | Hoes, Spears<br>knives, swords,<br>local Bells,<br>etc. | 1- Tokiko Ongalo<br>2- Awuor Omoro   | South Kara-<br>chuonyo   | TIMOTHY<br>OYARE      | HOMA-BAY<br>(ORLANG MARKET)  |
|              | Iron-Working                      |   |  | Suna/Migori<br>(Wakinga) |                       | MIGORI   |

| DISTRICT     | INDUSTRY                     | PRODUCTS                   | NAME OF THE PRODUCER               | LOCATION                    | CHIEF OF THE LOCATION | NEAREST URBAN MARKET CENTER        |
|--------------|------------------------------|----------------------------|------------------------------------|-----------------------------|-----------------------|------------------------------------|
| SOUTH NYANZA | Basket-Making                | Baskets<br>'Odheru' etc    | Joseph Owaka                       | KANYADA                     | JEMES OBWANA          | HOMA-BAY<br>(Nyalukinyion School)  |
|              | "                            | "                          | Odul Jode                          | KOCHIA                      | FRANCIS OYUGI         | HOMA-BAY<br>(Omoya Market)         |
|              | "                            | "                          | Odedo Ndule                        | GEM                         | SAMUEL AWII           | HOMA-BAY<br>(Anind Oko Pr. School) |
|              | Mat-Making<br>(from Reeds)   | Mats                       | 1. Omuodo Muya<br>2. Joseph Angaga | KOCHIA                      | FRANCIS OYUGI         | HOMA-BAY<br>(Omoya Market)         |
|              | "                            | "                          | DICKSON Aoko                       | West -<br>Karachu -<br>onyo |                       | HOMA-BAY<br>(Pala Market)          |
|              | "                            | "                          |                                    | Waondo<br>Gembe<br>Awendo   |                       | HOMA-BAY                           |
|              | Boat-Making                  | Dhows<br>Canoos            |                                    | Mfangano<br>Rusinga         |                       | HOMA-BAY<br>(Sindo Market)         |
|              | SALT-MAKING                  | Salt                       |                                    | Kaksingri                   |                       |                                    |
|              | Pottery                      | Pots                       |                                    | Kanagumbo<br>Migori         |                       | Rongo Market<br>Migori Market      |
|              | Stone-Carving                |                            |                                    | Rusinga<br>Island           |                       | HOMA-BAY<br>(Mbita-market)         |
| KISUMU       | Mat-Making                   | Mats                       | Isaah Okwanyo                      | North<br>Nyakach            | J. OBWA               | Kisumu(katito)                     |
|              | Black-Smith<br>(Scrap-Metal) | Hoes,Knives,<br>Swords etc | Nyamolo Okwaso                     | North<br>Nyakach            |                       | Kisumu(katito)                     |
|              | Pottery                      | Pots, Earthen<br>dishes    | Esther Auma                        | Nyakach                     |                       | Kisumu(Jogoo)                      |

| DISTRICT | INDUSTRY                       | PRODUCTS                                | NAME OF THE PRODUCER  | LOCATION            | CHIEF OF THE LOCATION | NEAREST URBAN MARKET CENTER  |
|----------|--------------------------------|---|---|---------------------|-----------------------|--|
| KISII    | Pottery                        | Pots, Earthen Dishes etc                | Nyakina Matara  | Girango             |                       | Kisii  |
|          | Black-Smith                    | Knives, Brace-lets etc.                 | Mangene   | Girango             |                       | Kisii  |
|          | Water-Mill                     | Posho-Mill                              | Zedekiah Birai  | West-Mugirango      |                       | Kisii  |
| KAKAMEGA | Iron-Working                   | Iron-Implementy                         | Moi MAKALE  | KISA                | ABWOGI                | 18 km from Kisumu<br>5-8 km on Yala road to Katsombero Primary School<br>BUTERE MARKET |
|          | Wood-Carving<br>Pottery        | Earthen-Ware                            | Lazaro Obara<br>SBVENZIA<br>ASHIVERO (Wife of ALIGURU a clan leader.) | North Maragoli      |                       | Viyalo Sub-Location  |
| BUNGOMA  | Black-Smith                    |   | Flijah Sokori<br>Muliro   | Kaburangu (Village) |                       | Webuye<br>Box 412  |
| BUSIA    | Pottery                        | Pots                                    | North Teso  | Thompson - Olubia   |                       | Busia<br>"   |
|          | Moulding                       | Statuses                                | South Teso  | Raphael Okisia      |                       |  |
|          | Iron-Smelting<br>Iron-Smelting | Iron-Implements<br>Iron-Implements<br>" | South Teso<br>*SAMIA<br>*IMBO   | Raphael Okisia      |                       | Busia  |

| DISTRICT | INDUSTRY   | PRODUCTS                        | NAME OF THE PRODUCER   | LOCATION  | CHIEF OF THE LOCATION | NEAREST URBAN MARKET CENTER |
|----------|--|---------------------------------|------------------------|---|-----------------------|-----------------------------|
| KERICHO  | Water-Mills<br>Grinding stone-<br>Making         | Posho-Mills                     |                        |   | A. Sang               | LITEIN                      |
|          | Water-Mills                                      | Posho-Mills                     |                        | CHEBALUNGU  |                       | Koiwalalach<br>Village      |
|          | Black-Smith<br>(from-rods,<br>Nails)             | Arrows, Spears<br>etc.          |                        | CHEPALUNGU<br>Bomet                                 |                       |                             |
| MACHAKOS | Curvings   | Curios                          | James Muatha<br>Nzwili | Wamnyu<br>Kibauni<br>Ngwata<br>Kikumbulyu<br>Mbooni |                       | Machakos<br>"               |
|          | Pottery  | Pots                            |                        | South Tharaka<br>South Tharaka                      |                       | CHAKARIGA<br>"              |
| MERU     | Wearing<br>Mat-Making                            | Baskets<br>Mats                 |                        |   |                       |                             |
|          | Pottery<br>Black-Smith<br>(from Scrap-<br>Metal) | Pots<br>Arrows, Hoes,<br>Knives |                        | South Tharaka                                       |                       | "                           |







資料-7 ケニアの伝統産業地域・種類調査マニュアル



Survey Manual for "Kenyan Traditional Technology"

**(1) Purposes:**

The rural industrial development by transferring technology requires that the rural indigenous and traditional technology should be re-evaluated and the suitable other technology should be grafted on the indigenous/traditional technology. (see TOTALS)

So the purposes for this survey are;

- (a) to list up the Kenyan Traditional Technology
- (b) to re-evaluate the Kenyan Traditional Technology(ies) whether they are worthwhile to be developed further or not/ whether they are applicable to other purposes.
- (c) to establish the development policy for Kenyan traditional technology.
- (d) to find out the most suitable technology to be transferred and the recommended technology transfer system.
- (e) to evaluate the economic effect of the development of Kenyan traditional technology.

**(2) Procedures: refer to Survey form**

- (a) Name of Technology: write it in simple form
- (b) Location: write address or district
- (c) Ethical Group
- (d) Brief Description of technology: describe the characteristics or features of the technology in brief form
- (e) Degree of Sophistication
  - A: very sophisticated technology
  - B: medium
  - C: very low technology

The above (a)-(e) should be surveyed and the following (f)-(h) should be written later with Japanese and Kenyan researchers.

- (f) technology to be transferred: from modern/traditional sectors
- (g) application of this traditional technology:
- (h) overall evaluation: A; Promising B; Medium C; No future

**"SURVEY ON KENYAN TRADITIONAL TECHNOLOGY"**

No. (       )

|  |            |      |   |
|--|------------|------|---|
|  |            | DATE |   |
|  |            | NAME |   |
| Name of Technology                         |            |      |   |
| Location                                   |            |      |   |
| Ethical Group                              |            |      |   |
| Brief Description of Technology            |            |      |   |
| Degree of Sophistication                   | A          | B    | C |
| Possible technology to be transferred      |            |      |   |
|  | From where |      |   |
| Application of this traditional technology |            |      |   |
| Overall evaluation                         | A          | B    | C |









JICA