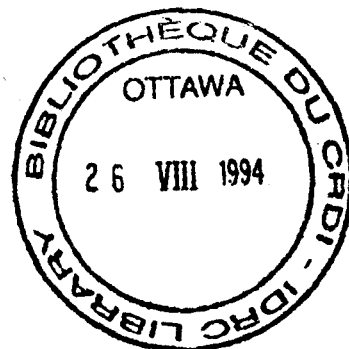


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OVERVIEW OF  
TECHNOLOGICAL RESEARCH CENTERS  
IN DEVELOPING COUNTRIES



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OVERVIEW OF  
TECHNOLOGICAL RESEARCH CENTERS  
IN DEVELOPING COUNTRIES

Prepared for  
Cooperative Programs Division  
International Development Research Centre

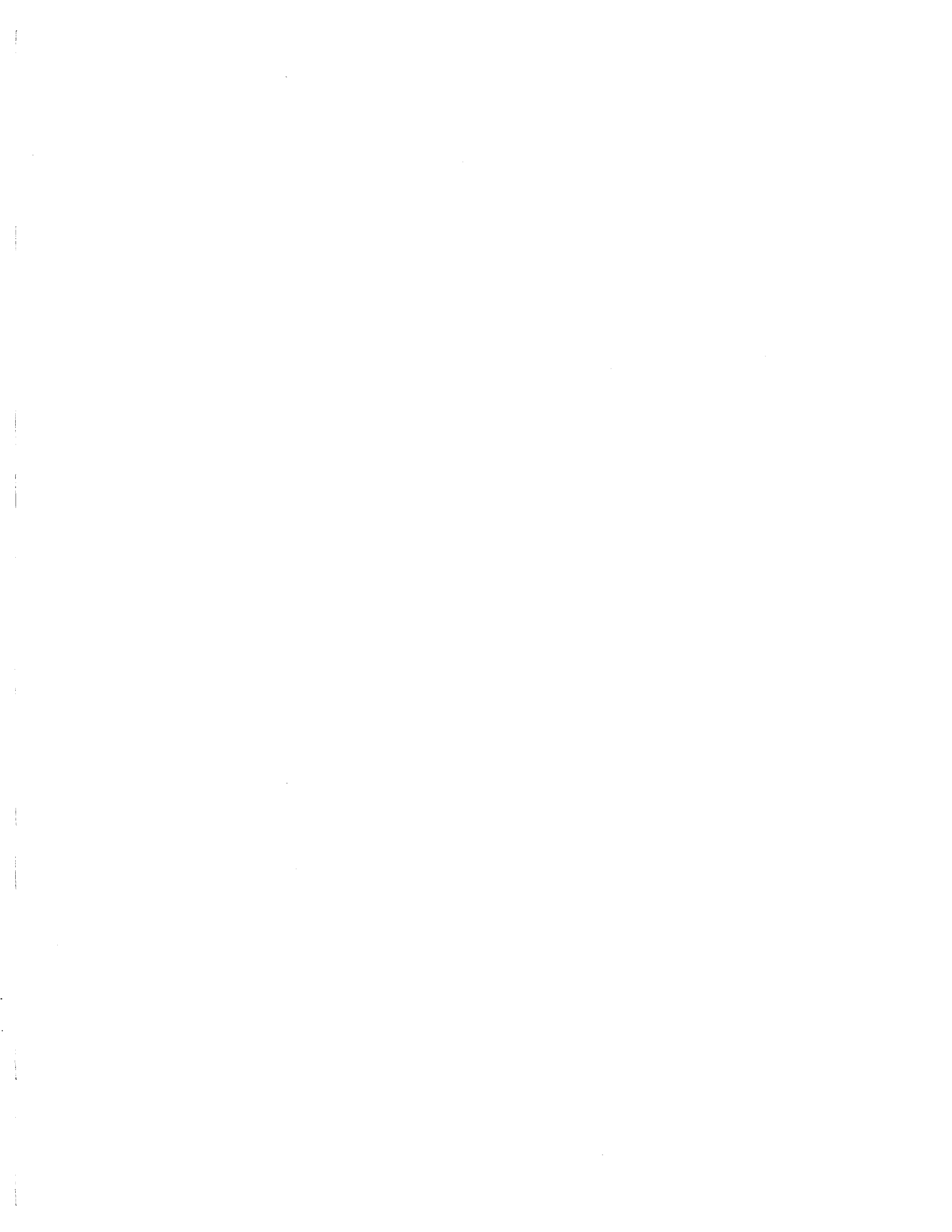
by  
Marcel A. Mercier & Associates

October, 1984



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## PREFACE

In April of this year Mr. James Mullin, Vice-President, Collaborative Programs, requested that a project team be set-up to develop a Policy Paper for the establishment of a Technology for Local Enterprises Program within the Cooperative Programs Division. For this purpose he retained the consulting services of Marcel A. Mercier and two of his Associates Professor Vikram Bhatt of the School of Architecture at McGill University, and Mr. Stuart Black.

The work of the project team was supplemented with the assistance of the Cooperative Programs Division (CPD) staff who provided valuable comment and feedback during the study.

In developing the policy paper it was necessary to develop an overview of the extent of the research infrastructure existing in developing countries for the proposed field. A summary of the information collected has been organized into the form of the listing of research institutions presented in this document.

Other important outputs resulting from the study are the following:

- . A policy paper entitled Technology for Local Enterprises, A Proposal to Establish a New Program in the Cooperative Programs Division of the International Development Research Centre, September, 1983;
- . A Guide to Canadian Technological Research Centers and Institutions, October, 1984;
- . A Report of Visits to India conducted as a survey of that country's research infrastructure in this field and listing some two hundred technological research centers.

We wish to thank all people who provided input to the study and who made available valuable information and their time for visits and discussions with members of the project team. The work completed was made possible through their generous contributions.

Marcel A. Mercier

October, 1984





## INTRODUCTION

The purpose of this report is to present a listing of developing countries research centers engaged in technological research whose outputs can be picked up by small and medium enterprises.

The listing was developed through desk-top review and information collection through correspondence and visits to a select number of institutions. During the first step of the desk-top review a large number of published and unpublished directories and listings were collected and reviewed to identify the names and addresses of research institutions working in the area proposed for the Technology for Local Enterprises Program. A sample of the principal directories, listings, and other sources consulted is included at the end of this introduction. This step resulted in the identification of over 500 institutions. These are presented in Section Two of this guide.

A letter was then sent to all institutions identified requesting copies of Annual Reports and any other information to describe their research activities. Replies were received for approximately 25% of the total mailing by the time this report was prepared (3-4 months after the mailing). The institutions from whom replies were received are listed in Section One of this report. This section also provides a highlight of the information received from each institution. Replies continue to arrive.

When possible we addressed our correspondence to the named director of the institute, rather than using only a position title. In cases where the person was no longer in the position our letter was usually forwarded to the individual and to the new person in the position identified. It was found, however, that in most cases there had been no staff turnover.

In reviewing the list of institutions identified and responses received it was found that the great majority had had no prior contact with IDRC.

Overall we were very pleased with the rate of response received for our mailing especially when considering the time allowed for responding, the distances involved (and the number of postal systems that must have been used), and the timeliness of much of our initial source information. It demonstrates a very strong interest on behalf of researchers in this field to make their research known and to collaborate with others.

All information collected was recorded in a computerized data base using a micro computer. The information was key-worded by title and country, and sorted according to IDRC region. A file number was assigned to each entry which corresponds to a physical file used to file the information received.

## How the Directory is Organized

The directory is organized in two major sections. The first section lists the institutions from whom replies were received including a summary of the information provided and some of the ideas identified for collaborative research projects. Section Two lists all research institutions and groups identified during the project. Each section is geographically organized by IDRC region and within each region the institutions are grouped by country.

## Sources of Information Consulted

The following sources were used to develop the basic list presented in Section Two of this guide. These are not the only sources. As institutions were identified during the project, e.g. through reports, studies, correspondence, etc., their names were added to the list.

American Council of Voluntary Agencies for Foreign Service, A Listing of U.S. Non-Profit Organizations in Small Industry Development Assistance Abroad, Technical Assistance Information Clearing House, New York, 1979.

Encyclopedia of Associations, 18th Edition, Gale Research Company, Detroit, 1984.

Georgia Institute of Technology, Directory of Consultants to Small Rural Industries, 1975.

Industry, Trade and Commerce, Directory of Scientific Research and Development Establishments in Canada, Government of Canada, 1969.

ILO, Management, Administration and Productivity, International Directory of Institutions and Information Services, Geneva, 1981.

Jequier, Nicolas Appropriate Technology Directory, OECD Development Centre, Paris 1979.

Liaison bulletin.

Lutheran World Service, Village Technology Handbook, 1977.

OECD, Register of Development Research Projects in Asia, Paris, 1980.

OECD, Register of Development Projects in Africa, Paris, 1981.

Peace Corps, Resources for Development, Appropriate Technology for Development, No. 3A, Washington D.C., July 1981.

UNDP, Directory of Services for Technical Cooperation Among Less Developed Countries, 1978.

UNEP, Directory of Institutions and Individuals Active in Environmentally Sound and Appropriate Technologies, 1979.

UNIDO, Directory of Industrial and Technological Research Institutes, The Industrial and Technological Information Bank, UNIDO/IS.275, January 1982.

UNIDO, Directory of Industrial and Technological Research Institutes in Africa, The Industrial and Technological Information Bank, UNIDO/IS.299, March 1982.

U.S. Agency for Interantional Development, Directory of Development Resources, 1981.

WAITRO, Directory of Member Organizations 1982, The Hague, The Netherlands, 1982.

WAITRO, Sources of Funds for International Cooperation in Research and Development, Netherlands, 1981.

World of Learning

Yearbook of International Organizations, Edited by the Union of International Associations, K.G. Saur, 1983/84.



**SECTION ONE****RESPONDENTS AND REPLY HIGHLIGHTS****East Africa****South Asia****West Africa****Asia****Middle East****Latin America**



East Africa





Director  
Pelegano Village Industries  
P.O. Box 464  
Gaborone, BOTSWANA

840612 DC0165

Reply received from Mr. Frank Taylor who established PVI and who now operates a consulting company, Development Consultancies - listed as specialists in rural development and small scale enterprises. Will probably have to send a follow up letter to PVI to obtain the information.

=====

Frank Taylor  
Development Consultancies  
P.O. Box 2020  
Gaborone, Botswana  
Tel. 59529 Tlx. 2299 BD

840612 DC0506

Reply received: Letter praised TLE as having the potential to provide a very practical and real impetus to development in the Third World, and expressed an interest in cooperation.

Promising ideas include an agricultural project utilizing simple forms of rainwater micro-catchment techniques.

SME Priority: high - listed as specialists in rural development and small and medium enterprises.

=====

Dr. R.O. Arunga  
Director  
Kenya Industrial Research and  
Development Institute (KIRDI)  
P.O. Box 30650  
Nairobi, KENYA  
Dr. Arunga

840612 DC0174

Reply received: Letter noted with interest Cooperative Program's inventory.  
To illicit cooperation they enclosed their Annual Report and  
Statement of Accounts (1980/81 and 1981/82).

SME Priority: high

=====

The Principal  
College of Engineering  
Mechanical Engineering Department  
University of Nairobi  
P.O. Box 30197  
Nairobi, KENYA

840612 DC0175

Reply received: Enclosed with letter, Annual Reports for 1980/81, 1981/83 and  
Departmental Achievements since inception. Would like to hear  
from us once we identify areas of research cooperation.

=====

Attention Dr. F. Wangatti  
Secretary  
National Council for Science  
and Technology  
P.O.B. 30623  
Nairobi, KENYA

840612 DC0180

Reply received: Letter stated their inability to fund many research applications in SMEs due to shortage of funds. Very interested in developing projects with Cooperative Programs.

Enclosed a list of projects funded by the council and their Annual Report (1981/82).

Also enclosed a very useful list of Kenyan institutions that have a potential role in research for SME.

SME Priority: high

=====

Dr. C. Ricaud  
Director  
Mauritius Sugar Industry  
Research Institute (MSIRI)  
Reduit, MAURITIUS

840612 DC0187

Reply received: Enclosed 1982 Annual Report with letter.

=====

Mr. P. Mpawenayo  
Centre d'etudes et d'Applications  
de l'energie au Rwanda  
Universite National du Rwanda  
B.P. 117  
Butare, RWANDA  
Mr. Mpawenayo

840612 DC0194

Reply received: Sent report of the activities for the academic year 1981/82.

=====  
Dr. A.L. Mtui  
Director  
Building Research Unit  
P.O. Box 1964  
Dar es Salaam, UNITED REP. OF TANZANIA  
Dr. Mtui

840612 DC0198

Reply received: (from the PMO) Very supportive of IDRC's efforts to stimulate scientific and technical research in developing countries.

- enclosed 1981 Annual Report.
  - and list of publications by BRU
- =====

Eustace Gondwe  
Head  
Department of Civil Engineering  
University of Dar es Salaam  
P.O. Box 35131  
Dar es Salaam, UNITED REP. OF TANZANIA

840612 DC0199

Reply received: Letter informed us that Prof. Mawenta is on leave until July 1985, and stated their enthusiasum with the possibilities of cooperating with and sending proposals to CP in the future.

- Enclosed a summary of the Department's activities and a report on the Water Resources and Environmental Engineering program under UNESCO's African Network of Scientific and Technological Institutions (ANSTI project).

SME Priority: high

=====  
Dr. G.C. Mrema  
Director  
Department of Agricultural Engineering  
and Land Planning  
University of Dar es Salaam  
Sub Post Office  
Chuo Kikuu  
Morogoro, UNITED REP. OF TANZANIA  
Mr. Mrema

840612 DC0200

Reply received: Letter described the department's activities and resources  
=====

The Director General  
Small Industries Development Organization  
(SIDO)  
P.O. Box 988  
Dar es Salaam, UNITED REP. OF TANZANIA

840612 DC0201

Reply received from Ozzie Schmidt, AFNS Kenya, enclosing the SIDO publication "Small News", and suggesting that we ask to be put on thier mailing list.

=====  
Mr. C.L. Tarimu  
Director General  
Tanzania Industrial Research and  
Development Organization (TIRDO)  
P.O. Box 23235  
Dar es Salaam, UNITED REP. OF TANZANIA  
Mr. Tarimu

840612 DC0207

Reply received: Enclosed the Organization's latest Annual Report (1982/83).

- sent first three Annual Reports (1979-1981).

=====

Mr. B.J. Chambaka  
Director  
Ubungo Farm Implements Limited  
P.O. Box 20126  
Dar es Salaam, UNITED REP. OF TANZANIA

840612 DC0208

Reply received: From the former director Mr. Kida informing us of the name  
of the new director.

=====

Dr. W.T. Weerakoon  
Director  
Technology Development and Advisory Unit (TDAU)  
P.O. Box 32379  
University of Zambia  
Lusaka, ZAMBIA  
Dr. Weerakoon

840612 DC0225

Reply received: Letter noted the constraints placed on the Unit's activities  
due to lack of funds, and also their willingness to collaborate  
with IDRC in its capacity as coordinator for the Network of  
Appropriate Technology Centres in Africa (NATCA).

- Enclosed the TDAU Handbook.

SME Priority: high

=====

Prof. Keith A. Viewing  
Director  
Institute of Mining Research (IMR)  
University of Zimbabwe (UZ)  
P.O. Box MP 167  
Mount Pleasant  
Salisbury, ZIMBABWE  
Prof. Viewing

840612 DC0229

Reply received: Sent 15th Annual Report (February 1984).

=====  
Mr. E.R. Morrison  
Director  
Geological Survey of Zimbabwe  
P.O.B. 8039  
Causeway  
Harare, ZIMBABWE  
Mr. Morrison

840612 DC0231

Reply received: Letter noted that the department's functions do not involve  
research, and that their annual report is confidential.  
Referred us to Prof. Viewing of the Institute of Mining  
Research, University of Zimbabwe.

=====



Timber Engineering Research Centre  
Department of Civil Engineering  
University of Zimbabwe  
Mount Pleasant  
P.O.B. M.P. 167  
Harare, ZIMBABWE  
sir

840612 DC0236

Reply received: Letter stated that the Centre will not be operational until mid-1985. Will forward an annual report in due course.

=====  
Mr. V. Babikanyisa  
School of Business and  
Industrial Studies  
University of Zambia  
P.O.B. 21692  
Kitwe, ZAMBIA  
Mr. Babikanyisa

840612 DC0219

Reply received: Letter welcomed any research funding, and since the School did not publish an Annual Report, Mr. Babikanyisa described the School's activities.  
=====

Mr. A.J. Spear  
Director  
Institute of Agricultural Engineering  
Department of Research and Specialist  
Services  
Ministry of Agriculture  
P.O. Box BW. 330  
Borrowdale  
Salisbury, ZIMBABWE

840612 DC0228

Reply received: Sent 1980-81 Annual Report and proceedings of the "Intermediate Technology Symposium" (1975).

- Informed us of the merger with the Extension and Training Section of the Engineering Branch of Agritex.

=====

Dr. E.H. Williams  
Director  
Standards Association of Central Africa (SACA)  
17 Coventry Rd.  
P.O. Box 2259  
Harare, ZIMBABWE

840612 DC0233

Reply received: Letter stated that there is no organization in Zimbabwe responsible for industrial research, so SACA is sometimes entrusted with R & D activity of this nature.

- Enclosed a UNIDO report "Strengthening of the SACA" (1983).

=====

South Asia



Mr. A.K.M. Moniruzzaman

840612 DC0399

Director

Appropriate Agricultural Technology Cell (AATC)

Bangladesh Agricultural Research Council (BARC)

130-B, Road No. 1

Dhanmondi Residential Area

Dacca 5, BANGLADESH

Mr. Moniruzzaman

Reply received: Letter stated that neither BARC or AATC carry out research, rather they advise, coordinate and manage research.

- Enclosed an interesting chart of institutes and universities which do conduct agriculture research. Perhaps we could obtain a similar chart for industrial research institutes.

=====

Mr. S.C. Sharma  
Director  
Central Control and Research  
Laboratory  
Cawnpore Sugar Works Limited  
Post Office Marhowrah  
Distt. Saran  
Bihar, INDIA  
Mr. Sharma

840612 DC0405

Reply received: Sent check list of the company's structure.

=====

Dr. Nitya Nand  
Director  
Central Drug Research Institute (CDRI)  
Council of Scientific and Industrial Research (CSIR)  
Chattar Manzil Place  
Lucknow 226 001, INDIA  
Dr. Nand

840612 DC0406

Reply received: Letter informing us that the 1982-83 Annual Report is  
forthcoming.  
Enclosed 1981 Brochure.

=====

Dr. G.N. Acharya  
Scientist  
Central Electronics Engineering Research Institute  
Pilani (Rajasthan)  
333031, India

DC0502  
840730

Reply received: Letter outlined areas of direct interest to CEERI.  
Promising ideas included technology in such areas as solar  
heaters and cookers, electronic gadgets, rodent repellents,  
water pumps, hydro boilers and neem oil production.

Enclosed introductory pamphlet.

SME Priority: High

=====  
Dr. S. Kumar  
Director  
Central Glass and Ceramic  
Research Institute  
Jadavpur  
University P.O.  
Calcutta 700032, INDIA

840612 DC0636

Reply received: Sent 1980-81 and 1981-82 Annual Reports.

SME Priority: High  
=====

Prof. M.M. Taqui Khan  
Director  
Central Salt and Marine Chemicals  
Research Institute  
Waghawadi Rd.  
Bhavnagar 364002, INDIA  
Prof. Khan:

840612 DC0640

Reply received: Letter outlined promising areas of collaboration.

- Enclosed technical information brochure on the Institute.

SME Priority: High

=====  
Mr. P.C. Saxena  
Director  
Central Water and Power  
Research Station  
P.O. Khadakwasla Research Station  
Pune 411024, INDIA  
Mr. Saxena

840612 DC0656

Reply received: Sent six topical brochures on CWPRS.

- Requested more information.

=====



M. Nawaz Sharif  
Director  
Regional Centre for  
Technology Transfer  
Manickvelu Mansion  
49 Palace Road  
Bangalore 560 052, Karnataka, INDIA

840612 DC0400

(Affiliated with the Economic and Social Commission for Asia and the Pacific).

Reply received: Letter reminding us that they have a pending project proposal with IDRC on the packaging of technology information, and also that Vickram Bhatt will be visiting them. They state that they will look forward to greater collaboration in areas that could have immediate impact in transferring technology to SMEs.

Enclosed the Centre's introductory report.

SME Priority: high

=====

Mr. Tarun Das  
Executive Director  
The Association of Indian Engineering  
Industry (AIEI)  
172, Jor Bagh  
New Delhi 110 003, INDIA  
Mr. Das

840612 DC0401

Reply received: No letter.

Documents sent include 1983 Annual Report, R & D Capabilities and Facilities (1982 and 1983), and profile of 1984 seminar on Cooperative Research in Advanced Technologies Appropriate to Developing countries.

=====

Shabbir A. Gureshi  
Member (Technology)  
Pakistan Council of Scientific and Industrial Research  
Shahra-E-Kamal Ataturk  
P.O. Box no. 672  
Karachi - 0109  
Pakistan

DC0501  
840730

Reply Received: Letter welcoming assistance in various fields of scientific and industrial research.

Enclosed 1981-82 Annual Report.

=====

Dr. G.S. Sidhu  
Director  
Council of Scientific and Industrial Research  
(CSIR)  
Rafi Marg  
New Delhi 110001, INDIA

840612 DC0402

Reply received: CSIR Handbook (1981) and 1982-83 Annual Report enclosed with letter.

=====

Mr. B.K. Mazumdar  
Director  
Central Fuel Research Institute  
Dhanbad, Bihar  
INDIA

DC0500  
840730

Reply received: No letter

Sent 1982-83 Director's Report.

=====

Mr. S.C. Sharma  
Director  
Central Control and Research  
Laboratory  
Cawnpore Sugar Works Limited  
Post Office Marhowrah  
Distt. Saran  
Bihar, INDIA  
Mr. Sharma

840612 DC0405

Reply received: Sent check list of the company's structure.

=====

Dr. Nitya Nand  
Director  
Central Drug Research Institute (CDRI)  
Council of Scientific and Industrial Research (CSIR)  
Chattar Manzil Place  
Lucknow 226 001, INDIA  
Dr. Nand

840612 DC0406

Reply received: Letter informing us that the 1982-83 Annual Report is  
forthcoming.

Enclosed 1981 Brochure.

=====

Mr. M.V. Rajasekhran  
Coordinator  
Asian Institute for Rural  
Development  
7/A Rathavilasa Rd.  
Basavanagudi  
Banglore - 560 004, INDIA  
Mr. Rajasekhran

840612 DC0410

Reply received: Letter noted their interest in the new program at IDRC, and enclosed copies of monthly "AIRD News".

They will forward their 1983 Annual Report after printing.

SME Priority: high

=====

Dr. M. I. Mathews  
Director of Industries and Commerce  
Chemical Industries Wing  
Department of Industries and Commerce  
Guidiy Industrial Estate  
Madras 600 032, INDIA  
Dr. Mathews

840612 DC0414

Reply received: Letter described activities of the Chemical Wing.

- Enclosed 1976 brochure.

=====

Mr. J.K. Shah  
Director  
Narottam Lalbhai Research Centre  
Arvind Mills Limited  
Naroda Road  
Ahmedabad 380 025, INDIA  
Mr. Shah

840612 DC0422

Reply received: Letter expressed appreciation of including them in our inventory. Also they request further information on IDRC, such as 'IDRC Reports', 'Searching' and a complete list of scientific and technical publications. These would be helpful in identifying possible areas of cooperation.

- Enclosed two brochures.

=====

Dr. K. Nagarajan  
Director  
Research and Development Centre  
Searle (India) Limited  
25 MIDC Land  
Thane Belapur Road  
Thane 400 601, Maharashtra  
INDIA

840612 DC0427

Reply received: Letter updated the director's name and the address of the Centre. It described the staff, facilities and activities of the Centre.

=====

Rural and Urban Studies Division  
Marga Institute  
61 Isipathana Mawatha  
P.O. Box 601  
Colombo 5, SRI LANKA  
Sir

840612 DC0435

Reply received: Letter reminding us of the long standing association between the Marga Institute and IDRC, dating back to 1973 and comprising 3 or 4 projects each year.

- Enclosed their 10th Anniversary Publication (1972-82).

=====  
Dr. G.N. Acharya  
Scientist  
Central Electronics Engineering Research Institute  
Pilani (Rajasthan)  
333031, India

DC0502  
840730

Reply received: Letter outlined areas of direct interest to CEERI.

- Promising ideas included technology in such areas as solar heaters and cookers, electronic gadgets, rodent repellents, water pumps, hydro boilers and neem oil production.

- Enclosed introductory pamphlet.

SME Priority: high

=====

Ashoke Chatterjee  
National Institute of Design  
Paldi, Ahmedabad 380 007  
India

DC0505  
840731

Reply received: Letter outlined major areas of industrial design research.

Promising ideas include possible areas of collaboration between Canadian professionals working in such fields as educational material, service to SMEs, health and visual communication, energy, and extension training.

SME Priority: high

=====  
Department of Small Industries  
Hemas Buliding  
Ministry of Rural Development  
PO Box 578, Colomobo 1.  
SRI LANKA

DC0700  
082884

Tel. 22781/2/3 Tlx. SMALLINDUS

Reply received: Letter outlined the responsibilities of the Department:

- . workshops for the production of traditional textiles
- . workshops for the production of Coir goods
- . workshops for the production of non-traditional ceramics.

Also stated that they seek to link production facilities with organizations based overseas in twinning arrangements. Previous dealings with Australian leather workshops, Belgian lace, and Scandinavian hand-crafted silver.

SME Priority: high  
=====



Dr. S. Kumar  
Director  
Central Glass and Ceramic  
Research Institute  
Jadavpur  
University P.O.  
Calcutta 700032, INDIA  
Dr. Kumar:

840612 DC0636

Reply received: Sent 1980-81 and 1981-82 Annual Reports.

SME Priority: High

=====  
Prof. M.M. Taqui Khan  
Director  
Central Salt and Marine Chemicals  
Research Institute  
Waghawadi Rd.  
Bhavnagar 364002, INDIA  
Prof. Khan:

840612 DC0640

Reply received: Letter outlined promising areas of collaboration.

- Enclosed technical information brochure on the Institute.

SME Priority: High  
=====

Dr. L.K. Doraiswamy  
Director  
National Chemical Laboratory of India  
Pashan  
Pune 8, INDIA  
Dr. Doraiswamy:

840612 DC0642

Reply received: Sent booklet describing the Laboratory's activities.

- Also received Annual Report (1981-82) from Technical Services  
Division.

=====  
Prof. A. Rahman  
Director  
National Institute of Science, Technology  
and Development Studies  
CSIR Complex  
New Delhi, INDIA  
Prof. Rahman:

840612 DC0643

Reply received: Enclosed Annual Report (1982-83) and brochure.

- Will forward 1983-84 Annual Report when published.

=====

Dr. V.A. Altekar  
Director  
National Metallurgical Laboratory  
Jamshedpur 831007  
Singhbhum District  
Bilhar, INDIA  
Dr. Altekar:

840612 DC0644

Reply received: Sending latest Annual Report and brochure under separate cover.

=====  
Dr. P.K. Jena  
Director  
Regional Research Laboratory  
Council of Scientific & Industrial Research  
Bhubaneswar 4  
Orissa, INDIA  
Dr. Jena:

840612 DC0645

Reply received: Sent 1983-84 Annual Report.

SME Priority: high  
=====

Dr. J.N. Baruah  
Director  
Regional Research Laboratory  
Jorhat, Assam, INDIA  
Dr. Baruah:

840612 DC0646

Reply received: Sent 1982 Annual Report.

SME Priority: high

=====  
Prof. P.K. Rohtagi  
Director  
Regional Research Laboratory  
Library Building  
University of Bhopal  
Bhopal 462026, INDIA  
Prof. Rohtagi:

840612 DC0647

Reply received: Letter expressed desire to develop cooperative projects with CPD in the areas of simple technologies, and materials using local resources.

- Enclosed 1981-82 Progress Report.

SME Priority: High

=====

Dr. S.P. Sharma  
Acting Director  
Structural Engineering  
Research Centre  
Madras, INDIA

840612 DC0648

Reply received: Enclosed 1982-83 Annual Report and brochure entitled  
'Ferrocement Applications for rural Development'.

SME Priority: high

=====

Dr. T. Radhakrishnan  
Director  
Ahmedabad Textile Industry's  
Research Association (ATIRA)  
P.O. Polytechnic  
Ahmedabad 380015, INDIA  
Dr. Radhakrishnan:

840612 DC0651

Reply received: Enclosed brochure.

=====

Mr. K. Ramachandran  
Director  
Automotive Research  
Association of India  
P.O.B. 832  
Pune 411004, INDIA  
Mr. Ramachandran:

840612 DC0652

Reply received: Letter outlined a number of promising areas for collaboration:  
fuel conversion, emission control, modernization of product  
designs and evaluation of products.

- Enclosed 1983 Annual Report.
- Paid a visit to IDRC in July 1984.

=====

Mr. D.P. Mandelia  
President  
Birla Research Institute  
for Applied Sciences  
Birlagram 456 331  
Nagda (M.P.), INDIA  
Mr. Mandelia:

840612 DC0653

Reply received: from D.K. Goyal, enclosing annual reports of three Companies.

- Central Indian Machinery Mfg.
  - Gwalior Rayons
  - J.C. Mills
- =====

Dr. H.C. Visvesvaraya  
Director-General  
Cement Research Institute of India  
M-10, South Extension II  
Ring Rd  
Baliabgarh 121004, INDIA  
Dr. Visvesvaraya:

840612 DC0655

Reply received: Sent 1983 Annual report.

SME Priority: High

=====  
Mr. P.C. Saxena  
Director  
Central Water and Power  
Research Station  
P.O. Khadakwasla Research Station  
Pune 411024, INDIA  
Mr. Saxena

840612 DC0656

Reply received: Sent six topical brochures on CWPRS.

- Requested more information.

=====

Dr. V. Sundaram  
Director  
Cotton Technological Research  
Laboratory  
Adenwala Rd., Matunga  
Bombay 400019, INDIA  
Dr. Sundaram

840612 DC0657

Reply received: Enclosed a brief review of the Laboratory's achievements.

=====  
Dr. W. Millns  
Director  
Indian Rubber Manufacturers  
Research Association  
Plot No. B-88, Rd. U-2  
Wagle Industrial Estate  
Thane 400 604  
Maharashtra, INDIA  
Dr. Millns

840612 DC0658

Reply received: Enclosed - a brochure  
- 1982/83 Annual Report

Only too pleased to accept IDRC sponsorship for projects in  
their national research laboratory.

SME Priority: high  
=====



Mr. Santokh Singh  
Chief Engineer-Cum-Director  
Irrigation and Power  
Research Station  
Amritsar, INDIA

840612 DC0661

Reply received: Enclosed Annual Research Memoirs (1982-83)!

=====

Dr. Alim Biswas  
Director  
BCSIR Laboratory  
Dacca, BANGLADESH  
Dr. Biswas:

840612 DC0668

Director for BCSIR, Chittagong requested from Karl Smith of IDRC Health Sciences Division whether IDRC would support projects on medicinal plants. The answer was negative.

=====

Mr. I. Afzal  
Director  
Pakistan Institute of Cotton  
Research and Technology  
New Queens Road  
Karachi, PAKISTAN  
Mr. Afzal:

840612 DC0677

Reply received: Letter stated appreciation for joint cooperative projects.

- Enclosed Cotton Handbook, Achievements of Cotton Committee,  
1981-82 Annual Report, and Cotton Production Plan (1984-85).

=====  
Dr. G.S. Peries  
Director  
Rubber Research Institute of Sri Lanka  
Agalawatta, SRI LANKA  
Dr. Peries:

840612 DC0681

Reply received: Sent 1982 Annual Review.  
  
=====

West Africa



Dr. J.W. Powell  
Technical Consultancy Center (TCC)  
University of Science and Technology  
Kumasi, GHANA  
Dr. Powell

840612 DC0249

Reply received: Informed us that TCC has been working with IDRC for several years, and is sponsoring their Small Farm Equipment Project.

- Enclosed 1982/83 Annual Review

SME Priority: high

=====  
Mr. Cheickna Traore  
Director  
Laboratoire de l'Energie Solaire  
B.P. 134  
Bamako, MALI  
Mr. Traore

840612 DC0268

Reply received: Letter enclosing pamphlet describing the Lab's activities.  
  
=====

Prof. E.U. Odigboh  
Dean  
Agricultural Engineering Department  
Faculty of Engineering  
University of Nigeria  
Nsukka, NIGERIA  
Prof. Odigboh

840612 DC0281

Reply received: Detailed letter outlining the Department's involvement in designing promising prototype machinery for agriculture. Also included a list of their technical reports published in various journals.

- Currently negotiating a cooperative link with Agriculture Engineering Department of Technical University of Nova Scotia, and awaiting an answer to an AFNS project. Will be visiting Canada in November 1984.

SME Priority: high

=====  
Prof. R.N. Kaul  
Head  
Department of Agricultural Engineering  
Institute for Agricultural Research (IAR)  
Ahmadu Bello University  
P.M.B. 1044  
Zaria, NIGERIA  
Prof. Kaul

840612 DC0282

Reply received: Letter inviting us to communicate further with them on areas of possible collaboration, especially through their Agricultural Mechanization Research Program.

- Enclosed pamphlets.  
=====

Dr. O.A. Koleoso  
Research Director  
Federal Institute of Industrial  
Research Oshodi (FIRO)  
P.M.B. 21023  
Ikeja  
Oshodi, Lagos State, NIGERIA  
Dr. Koleoso

840612 DC0293

Reply received: 1982 Annual Report, 1981 information booklet and list of  
research reports.

- No letter.

=====  
Mr. E.H. Hartmans  
Director  
International Institute of Tropical  
Agriculture (IITA)  
P.M.B. 5320  
Oyo Road  
Ibadan, NIGERIA  
Mr. Hartmans

840612 DC0296

Reply received: Letter reminded us that their Institute has worked very  
closely with IDRC since its inception. Noted that their Annual  
Report is on file in the IDRC Library.

=====

Dr. E.K. Okaisabor  
Director  
Rubber Research Institute of Nigeria (RRIN)  
Federal Ministry of Science and  
Technology (FMST)  
P.M.B. 1049  
Iyanomo  
Benin City, NIGERIA  
Dr. Okaisabor

840612 DC0303

Reply received: Sent two publications on their organization and activities:

- RRIN in Brief (pamphlet)
- Highlight of Achievements

SME Priority: High

=====  
Mr. Souleye Sall  
Director  
Centre Experimental de Recherches  
et d'etudes pour l'equipement (CEREEQ)  
B.P. 189  
Dakar, SENEGAL  
Mr. Sall

840612 DC0306

Reply received: Letter describes the activities and objectives of CEREEQ.  
=====



Lt. Col. Sidy Bouya Ndiaye  
Director  
Ecole Polytechnique de Thies  
B.P. 10  
Thies, SENEGAL  
Lt. Col. Ndiaye

840612 DC0307

Reply received: Letter describes the objectives and activities of the centre.

- Also enclosed a list of projects.

=====  
Mr. B.K. Mazumdar  
Director  
Central Fuel Research Institute  
Dhanbad, Bihar  
INDIA

DC0500  
840730

Reply received: No letter

- Sent 1982-83 Director's Report.  
  
=====



Asia Region



Dr. C.S.O. Chan  
Managing Director  
Hong Kong Standards and  
Testing Centre (HKSTC)  
Dai Wang Street, Taipo Industrial Estate  
Taipo, N.T., HONG KONG

840612 DC0326

Tel. 0-6530021 Tlx. 54652 STDS HX

Reply received: Letter outlined present activities, and enclosed a brief description of the Centre. Seek support from IDRC for projects that may be beneficial to Hong Kong's manufacturing industry.

=====  
Mr. Santokh Singh  
Director-General  
Geological Survey of Malaysia  
2nd Floor, Survey Building  
Gurney Road  
Kuala Lumpur, MALAYSIA

840612 DC0347

Reply received: Letter informed us that the GSM is currently carrying out a joint research project with IDRC.

- Will send 1981 Annual Report after printing.

=====

Dr. Lim Teong Wah  
Director  
Institute for Medical Research (IMR)  
Jalan Pahang  
Kuala Lumpur 02-14, MALAYSIA  
Tel. 03-986033

840612 DC0348

Reply received: Enclosed 1982 Annual report with letter.

SME Priority: Low - IMR is a medical research centre.

=====  
Melito S. Salazar, Jr.  
Director  
Institute for Small-scale Industries  
University of the Philippines  
Virata Hall  
Emilio Jacinto St.  
Diliman  
Quezon City, PHILIPPINES  
Sir

840612 DC0353

Reply received: Letter enclosing 1983 Annual Report.

SME Priority: High  
=====

Dr. Vedasto R. Jose  
Commissioner  
National Institute of Science  
and Technology (NIST)  
727 Pedro Gil St. (P.O.B. 774)  
Manila, PHILIPPINES  
Dr. Jose

840612 DC0356

Reply received: Letter stated that they are willing to cooperate with IDRC,  
and that they would be sending their Annual Report.

- Received 1982 Annual Report.

SME Priority: High

=====  
Mr. Juanito C. Fernandez  
Director  
Bureau of Mines and Geosciences  
P.O.B. 1595  
Taft, Pedro Gil St.  
Manila, PHILIPPINES

840612 DC0357

Reply received: No letter

- Received 1983 Annual Report  
=====

Mr. Florentino O. Tesoro  
Director  
Forest Products Research  
and Development Institute (FPRDI)  
National Science and Technology Authority (NSTA)  
College, Laguna 3720  
PHILIPPINES

840612 DC0360

Reply received: Letter informing us that they have mailed 1983 Annual Report  
and 1984 Operations Plan.

=====  
Dr. Emil Javier  
Director-General  
National Science and Technology Authority (NSTA)  
General Santos Ave.  
P.O. Box 3596  
Bicutan  
Taguig, Metro Manila, PHILIPPINES  
Dr. Javier

840612 DC0367

Reply received: Enclosed 1983 annual report with letter.  
  
=====



Mr. Eduardo P. Villanueva  
Director  
Philippine Textile Research Institute  
General Santos Avenue  
Bicutan, Taguig, M.M.  
P.O. Box 1321  
MCC, Makati, PHILIPPINES

840612 DC0369

Reply received: Sent 1983 Annual Report, Mid-year Report (January-June 1984),  
and a brochure.

=====  
Prof. Choo Seok Cheow  
Chairman  
Science Council of Singapore  
Singapore Science Centre Bldg.  
Science Centre Rd.  
Singapore 2260, SINGAPORE

840612 DC0372

Reply received: Letter stated that they will forward a copy of Annual Report.

- Received Annual Report (1982/83).

=====

Balai Textil Jakarta  
Jl. Let. Jen. Suprpto Blok A  
Daerah V. - Cempaka Putih  
Jakarta, INDONESIA

DC0332

Reply received: Letter outlined the areas of research for small-scale enterprises. Stated that the problem the face is lack of knowledge and experience in garment making technology.

SME Priority: High

=====

Dr. Kamchad Mongkolkul  
Dean  
Faculty of Science  
Chulalongkorn University  
Phaya Thai Rd.  
Bangkok, 10500 THAILAND  
Dr. Mongkolkul

840612 DC0384

Reply received: Letter expressed their appreciation of IDRC's past financial support to the Faculty of Science.

- Enclosed 1982 and 1983 volumes of their "Journal of Scientific Research".

=====

Prof. Alastair M. North  
President  
Asian Institute of Technology (AIT)  
P.O. Box 2754  
42 km, Phaholyothin Highway  
Bangkok, THAILAND

840612 DC0385

Reply received: Letter stated that IDRC and AIT maintain close cooperation through our regional office in Singapore, but they say they are willing to strengthen the relationship further.

- Enclosed 1983 Annual Report.

=====

Food Processing Laboratory  
Department of Agriculture  
APIA  
WESTERN SAMOA

DC0393

Reply received: Letter described the department's research activities in food processing fruits and vegetables.

SME Priority: Low - Agricultural research.

=====

Hong Kong Productivity Council  
Technical Director  
12th Floor, World Commerce Centre  
Harbour City  
11 Canton Road, Tsimshatsui  
Kowloon, HONG KONG

DC0325

Reply received: Sent latest Annual Report.

- Mr. Taylor, the Technical Director, visited IDRC in September 1984.

=====  
International Institution of  
Rural Reconstruction  
Silang, Cavite, PHILIPPINES

840612 DC0358

Reply received: Sent 1981 and 1982 Annual Reports, brochures and pamphlettes.

SME Priority: High  
=====

Mr. Prapath Premani  
Director  
National Energy Administration  
Pibultham Villa  
Kasatsuk Bridge  
Bangkok 5, THAILAND

840612 DC0387

Reply received: From Mr Pravit Ruyabhorn, the former director, informing us that he has forwarded the letter to Mr. Premani.  
=====

Middle East



Mr. Nabil El-Nozahi  
General Manager  
Textile Consolidation Fund (TCF)  
El-Siouf  
Alexandria, EGYPT  
Mr. El-Nozahi

840612 DC0098

Reply received: Enclosed with letter, a collection of annual reports and cotton information bulletins (1982 and 1983).

=====  
Mr. Mohamed Fetah  
Director  
Centre d'etudes et de Recherches des Phosphates Mineraux (CERPHOS)  
73/87 boulevard Moulay Ismail  
Casablanca, MOROCCO  
Mr. Fetah

840612 DC0133

Reply received: Sent letter describing CERPHOS's activities  
- Enclosed 1984 Bulletin (in two volumes).

=====

Dr. Mohamed Lakhsassi  
Director  
Ecole Nationale de l'Industrie Minerale  
B.P. 753  
Agdal  
Rabat, MOROCCO  
Dr. Lakhsassi

840612 DC0135

Reply received: Sent 1983 Report of Activities.

=====

Mr. T. Lajmi  
Chef du Department Geologie  
Office National des Mines (ONM)  
95 ave. Mohamed V  
Tunis, TUNISIA  
Mr. Lajmi

840612 DC0157

Reply received: Letter described the activities of the Department.

=====



Mr. Sitki Sancar  
Director  
Mineral Research and Exploitation  
Institute (MTA)  
Ankara, TURKEY  
Mr. Sancar

840612 DC0162

Reply received: Enclosed short description of MTA, giving its mandate,  
personnel, methodology, interest and activities.

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Latin America



Ing. Alfredo Octavio Russo  
President  
Instituto Nacional de Tecnologia  
Industrial (INTI)  
Avda. Leandro N. Alem 1067  
1001 Buenos Aires  
ARGENTINA  
Mr. Rodriguez

840612 DC0009

Reply received: Interested in establishing a permanent link with IDRC.  
1983-84 Review Magazine

SME Priority: High

=====  
Mrs. Susana R.B. De Sucatte  
Directora Technica  
Centro de Investigacion de  
Celulosa y Papel (CICELPA)  
Avenida Leandro N. Alen 1067  
1001 Buenos Aires, ARGENTINA  
Mrs. De Sucatte

840612 DC0010

Reply recieved: Letter decribed the Centre's activities, and expressed an  
interest in participating in cooperative programs. Have had  
previous contacts with PAPRICAN in Montreal.

- Enclosed Brochures of the Centre and of their Information  
Service, a list of tests offered to industry, a list of  
Technical papers, and their 1983 Annual Report.

SME Priority: High  
=====

Dr. Ovidio Suarez Morales  
President  
Academia Nacional de Ciencias  
de Bolivia  
P.O.B. 5829  
La Paz  
BOLIVIA  
Dr. Morales

840612 DC0014

Reply received: Letter enclosing the following -

1980-82 historical directory of personnel  
1979 Review of the Academy

=====  
Mr. Jerzy Zbigniew L. Lepecki  
Executive Director  
Centro de Pesquisas de  
Energia Eletrica (CEPEL)  
Ilha do Fundao  
Cidade Universitaria  
CEP - 21.197  
P.O. Box 2754  
CEP 20.000  
Rio de Janeiro, BRAZIL  
Mr. Lepecki

840612 DC0019

Reply received: Letter met request for information for inventory

- English brochure on CEPEL, 1982
- Annual Report 1982 (Portuguese)
- Regular publications of INFORME and TECHNICAL REPORT

Also sent us the first quarterly INFORME for 1984.  
=====

Mr. Wayne Sandvig  
Director  
Fundacion Chile  
P.O. Box 773  
Via Sur  
Parque Institucional 6651, CHILE  
Mr. Sandvig

840612 DC0025

Reply received: Letter outlining areas of activity (proven technology)

- Reports describing each field of specialization and facilities
- 1983 Annual Report

SME priority: High

=====

Jose Castella Arguelles  
President  
Comision Nacional de Investigacion  
Cientifica y Tecnologica (CONICYT)  
Casilla 297-V  
Santiago, CHILE

840612 DC0028

Reply received: Letter expressed interest in CPD, and noted previous contact with James Mullin two years ago in Chile.

- Also enclosed a list of university groups and institutes that undertake research for small and medium enterprises in Chile.

=====

Mr. William E. Ladrach  
Director  
Carton de Colombia  
Departamento de Investigacion  
Forestal  
Apartado Aereo 219  
Cali, COLOMBIA  
Mr. Ladrach

840612 DC0032

Reply received: no letter

- Report prepared by Mr. Ladrach (Sept 1983) entitled "Growth Rates and Development of Planted and Natural Hardwood Forests in Colombia".

=====  
Dr. Humberto Rodriguez  
Director  
Solar Energy Research Group  
Department of Physics  
National University  
Apartado Aereo 100, 102  
Bogota, 10, COLOMBIA  
Dr. Rodriguez

840612 DC0034

Reply received: From Dr. Rodriguez enclosing documentation from ESTRATEGIAS ENERGETICAS -- an organization committed to intensifying the search for solutions to energy-related problems.

- also enclosed a conference report on Using Renewable Energy Resources in Developing Countries, July 1980.

It appears Dr Rodriguez has left the Solar Energy Research Group, and is now working on his own. He is interested in working on refrigeration of fish for small Caribbean communities.

See file for address.

=====



Augusto Cano  
Director  
Center for Economic Development Studies (CEDE)  
Univesidad de los Andes  
Calle 18 con Carrera 1-E  
Bogota, COLOMBIA  
Sir

840612 DC0035

'Reply received': Very much interested in participating with CP, asked for further information on our priorities so they can present proposals.

- 1982-83 Report on CEDE's activities.

SME Priority: High

=====

Fundacion par el Fomento de la  
Investigacion Cientifica y Tecnologica  
(FICITEC)  
Apartado Aereo 27872  
Bogota, COLOMBIA  
Sir

840612 DC0037

Reply received: No letter

- One page description of FICITEC, and list of projects

SME priority: High -- Provides technical assistance to small and medium industries

=====

Centro Internacional de Agricultura  
Tropica (CIAT)  
Apartado Aereo 6713  
Cali, COLOMBIA  
Sir

840612 DC0038

Reply received: Sent 1983 Annual Report and brochures on principal staff and overview of activities.

SME Priority: Low (Agriculture)

=====

Rafael D. Toribio  
Rector  
Instituto Tecnologico de Santo Domingo  
Av. de los Proceres  
Gala  
Apdo. 249  
Zona 2  
Santo Domingo  
DOMINICAN REPUBLIC

840612 DC0042

Reply received: Updated the rector's name, enclosed a list of current projects and some information about their publications.

- Enclosed 1984 and 1982 brochures.

=====

Dr. M. O. Hamilton  
Scientific Research Council (SRC)  
P.O.B. 350  
Kingston 6  
JAMAICA  
Dr. Hamilton

840612 DC0053

Reply received: Enclosed latest Annual Report (1980-81) with letter.

- Seems to have had prior dealings with IDRC.

=====

Luis Esteve  
Director  
Institute of Engineering  
c/o Universidad Nacional Autonoma de Mexico (UNAM)  
Ciudad Universitaria  
Alvaro Obregon  
04510 Mexico, D.F.

840612 DC0060

Reply received: Letter updated the Director's name.

- Enclosed 1983 Annual Report, and a description of the  
Institute's objectives.

=====

Mr. Guillermo Fernandez de la Garza  
Executive Director  
Electric Research Institute (IIE)  
Apartado Postal 5-849-5620  
Mexico 5, D.F., MEXICO  
Mr. de la Garza

840612 DC0063

Reply received: Letter and 1983 Annual Report, as well as a Catalogue of  
Technical Developments.

SME Priority:

=====

Mexican Institute of Appropriate Technology,  
S.C. (IMETA)  
Apdo. Postal 63  
254 02000 Mexico, D.F., MEXICO

840612 DC0064

Head, Division of Technological Development: Eugenia Olguin

Reply Received: Letter stated interest in CP Division, and outlined their new  
projects. Also stated their need for financial support for  
R & D activities related to appropriate technology.

- Sent promising proposal ideas for consideration:
    - (1) Integrated systems for production of feedstuff.
    - (2) Anaerobic digestion to treat and recycle industrial effluents with UASB type reactors.
  - Enclosed some information about IMETA and its activities.  
(up to 1983).
- =====

Dr. Arturo Gomez-Pompa  
Director  
Instituto Nacional de Investigaciones  
Sobre Recursos Bioticos (INIREB)  
Km 3, Antigua Carretera a Coatepec  
Xalapa, Veracruz, MEXICO  
Dr. Gomez-Pompa

840612 DC0068

Reply received: Letter and newspaper supplement giving an overview of INIREB's activities;

- Also enclosed a document outlining the "Philosophy and Main Objectives".

=====  
Mr. Hollis Charles  
Director  
Caribbean Industrial Research Institute (CARIRI)  
Tunapuna Post Office  
Tunapuna, TRINIDAD & TOBAGO  
Mr. Charles

840612 DC0081

Reply received: Letter noted that CARIRI has had a long association with IDRC, and went on to describe the Institute's research activities and their interaction with small and medium enterprises.

- Enclosed a chart of research programs, and their 1981 and 1982 Annual Reports.

SME priority: High  
=====

Mr. Henrique Bergamin Filho  
 Director  
 Instituto Nacional de Pesquisas  
 da Amazonia  
 Estrada do Aleixo, km. 3, 5  
 C.P. 478  
 67000 Manaus, BRASIL

840612 DC0602

Reply received: Letter described INPA's research activities.

- Enclosed CNPq Research Institute's brochures, ACTA Amazonica Magazine (1982).

Mr. Yvan Barretto de Carvalho  
 Director  
 Departamento Nacional  
 da Producao Mineral  
 Setor de Autarquias Norte  
 Quadra I  
 Projecao E, Bloco B  
 Esplanada dos Ministerios  
 Brasilia, DF, BRASIL  
 Mr. Barretto:

840612 DC0606

Reply received: Sent the Department's 1982 Annual Report, 1983 Program Report, and a document outlining the internal structure.

Erasto Boretti de Almeida  
 Research Director  
 Instituto de Pesquisas Tecnologicas  
 Cidade Universitaria  
 Armando de Salles Oliveira  
 C.P. 7141  
 01000 Sao Paulo  
 S.P., BRASIL

840612 DC0611

Reply received: Enclosed some IPT publications describing their research activities and main interests.

Mr. Walter Jaffe  
Director  
Fundacion Centro de Investigaciones  
del Estado Para la Produccion Experimental Agroindustrial (CIEPE)  
Zona Industrial  
San Felipe, Yaracuy, VENEZUELA  
Mr. Jaffe

840612 DC0084

Reply received: Sent brochures describing the policies, strategy and activities of the Centre (1982) and 1983 Annual Report.

- Also Mr. Jaffe informed us that as a member of the WAITRO Executive Committee, he received the TLE discussion paper prepared by Bhatt and Mercier, and found it very interesting.

-----

Mr. Miquel Nucete Hubner  
Director  
Fundacion para el Desarrollo  
de la Region Centro Occidental de Venezuela (FUDECO)  
Apartado de Correos No. 523  
Avenida Libertador  
Frente Complejo Ferial  
Barquisimeto, VENEZUELA  
Mr. Hubner

840612 DC0085

Reply received: Letter outlining FUDECO's activities

- Summary of studies completed 1980-83  
- 1982 Report  
- 1982 research supplement

-----

Mr. Jorge Barreto Soulier  
Director  
Instituto de Investigaciones  
Marinas de Punta de Betin  
(INVEMAR)  
Apdo. Aereo 1016  
Santa Marta, COLOMBIA  
Mr. Barreto Soulier

840612 DC0666

Reply received: Letter stated that INVEMAR has been in contact with IDRC since 1977.

- Enclosed 1983 Annual Report.

=====  
Mr. Oscar Coddou Vivanco  
Director  
Instituto Nacional de  
Capacitacion Profesional (INACAP)  
Instituto Profesional Centro de Formacion Technica  
Avenida Chesterton 7028  
Santiago, CHILE  
Mr. Vivanco

840612 DC0027

Reply recieved: Enclosed 1982 Annual Report, a brochure and a sample questionnaire.

=====



Mr. Antonio Fernandez Ibanez, S.J.  
Director  
Salvadorian Foundation for development  
and Minimum Housing  
18 Avenida Norte No. 2  
Apartado postal 421  
San Salvador, EL SALVADOR  
Mr. Ibanez

840612 DC0040

Reply received: Sent 1983 Annual Report and a list of projects for 1984.

=====  
Mr. Rafael Jesus Maria Hernandez Sanchez  
Director  
Dominican Institute of Industrial  
Technology (INDOTEC)  
Apartado Postal 329  
La Feria  
Santo Domingo, DOMINICAN REPUBLIC  
Mr. Sanchez

840612 DC0043

Reply received: Letter informed us that they have been in contact with IDRC's regional office in the area, and that they wish to continue to develop close relations.

- Will forward the necessary documentation.

=====

(Pages 76-78 are blank)

SECTION TWO

LIST OF ALL TECHNOLOGICAL RESEARCH  
CENTERS IDENTIFIED

East Africa

South Asia

West Africa

Asia

Middle East

Latin America



EAST AFRICA



Mr. S.D. Turner  
Applied Research Unit  
Ministry of Local  
Government and Lands  
P.M.B. 006  
Gaborone, BOTSWANA  
Mr. Turner

840612 DC0164

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Mr. Frank W. Taylor  
Director  
Pelegano Village Industries  
P.O. Box 464  
Gaborone, BOTSWANA  
Mr. Taylor

840612 DC0165

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Dr. Elias M. Dewah  
Director  
Rural Industries Innovation Centre  
(RIIC)  
Private 11  
Kanye, BOTSWANA  
Dr. Dewah

840612 DC0166

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Mr. J.-P. Trussart  
Director  
Centre de Recherche des Utilisations  
des energies Alternatives (CRUEA)  
Faculte des Sciences  
Universite du Burundi  
B.P. 2700  
Bujumbura, BURUNDI  
Mr. Trussart

840612 DC0167

---

wr. Zawde Berhane  
Director  
Faculty of Technology  
Addis Ababa, ETHIOPIA  
Dr. Berhane

840612 DC0168

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Dr. P. Kitheka  
Director  
Agricultural Machinery Testing Unit  
P.O. Box 470  
Nakuru, KENYA  
Mr. Kitheka

840612 DC0171

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Mr. T.S. Chana  
Director  
Housing Research and Development Unit  
(HRDU)  
University of Nairobi  
P.O. Box 30197  
Nairobi, KENYA  
Mr. Chana

840612 DC0172

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Dr. G. Oduwo Nyangasi  
Director  
Industrial Research and Consultancy Unit  
University of Nairobi  
P.O. Box 30197  
Nairobi, KENYA  
Dr. Nyangasi

840612 DC0173

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Dr. R.O. Arunga  
Director  
Kenya Industrial Research and  
Development Institute  
P.O. Box 30650  
Nairobi, KENYA  
Dr. Arunga

840612 DC0174

---

Prof. Dr. P.M. Githinji  
Director  
Mechanical Engineering Department  
University of Nairobi  
P.O. Box 30197  
Nairobi, KENYA  
Dr. Githinji

840612 DC0175

---

Mr. J.K. Moi  
Director  
Nakuru Oil Mills Limited (NOM)  
P.O. Box 15  
Nakuru, KENYA  
Mr. Moi

840612 DC0176

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Mr. T.S. Chana  
Housing Research and Development Unit  
(HRDU)  
University of Nairobi  
P.O.B. 30197  
Nairobi, KENYA  
Mr. Chana

840612 DC0178

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Prof. P. Gacii  
Secretary  
National Council for Science  
and Technology  
P.O.B. 30623  
Nairobi, KENYA  
Prof. Gacii

840612 DC0180

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Mr. G. Bournat  
Director  
Bureau de Recherches Geologiques  
et Minières  
B.P. 458  
Antananarivo, MADAGASCAR  
Mr. Bournat

840612 DC0181

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Mr. A.V. Kambalmetore  
Director  
Polytechnic University of Malawi  
University of Malawi  
Private Bag 303  
Chichiri  
Blantyre 3, MALAWI  
Mr. Kambalmetore

840612 DC0185

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Prof. Dr. G.T.G. Mohamedbhai  
Director  
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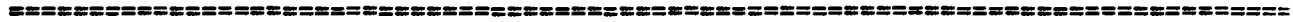
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(Pages 170-178 are blank)



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Reply received: Letter described INPA's research activities.

- Enclosed CNPq Research Institute's brochures, ACTA Amazonica  
Magazine (1982).

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Reply received: Sent the Department's 1982 Annual Report, 1983 Program Report,  
and a document outlining the internal structure.

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Reply received: Sent a brief description of the Institute for Space Research -  
INPE, and a brochure giving its main areas of interest.

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Reply received: Enclosed some IPT publications describing their research  
activities and main interests.

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Revista de administracao municipal  
Instituto Brasileiro de  
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