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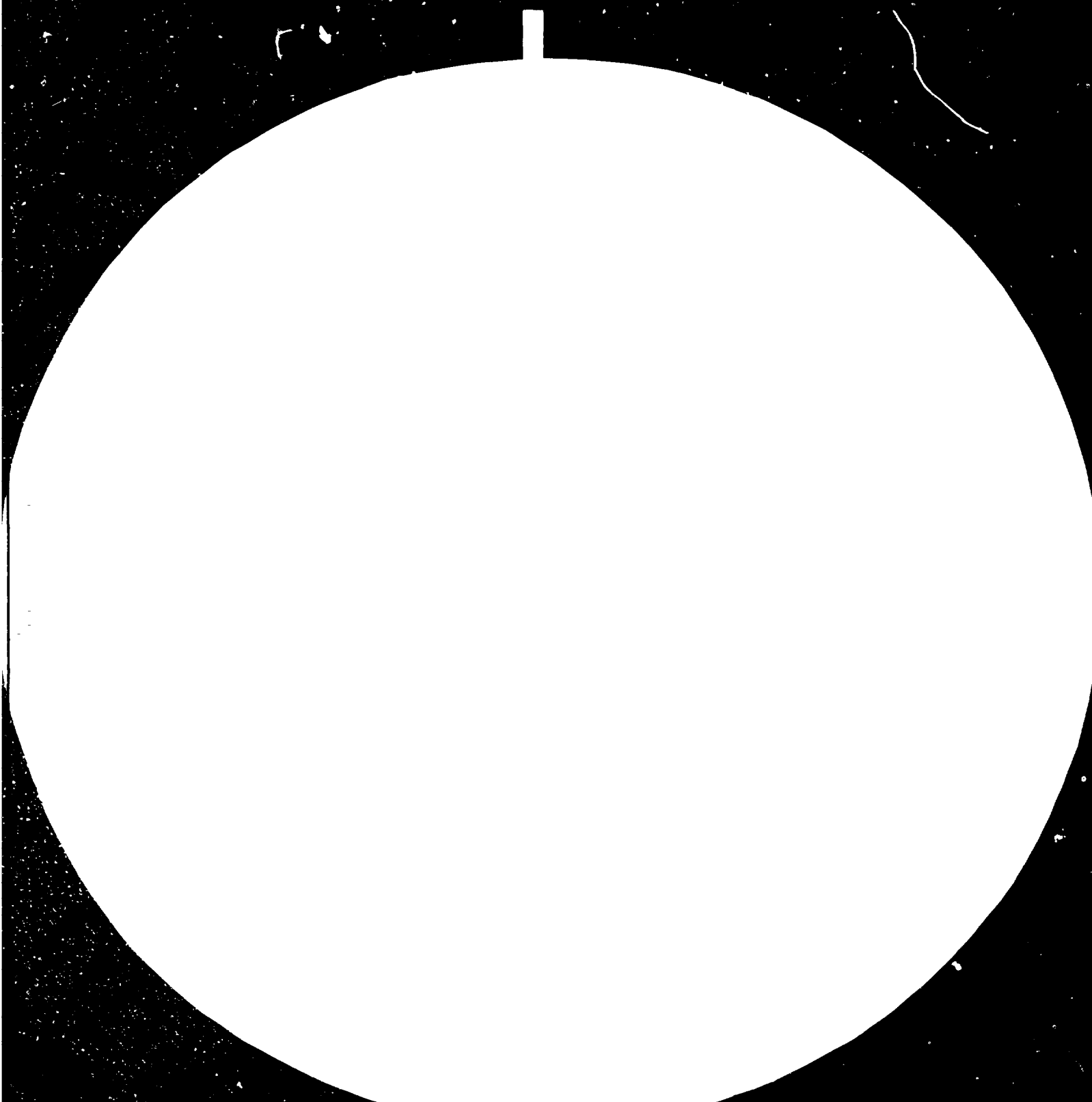
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Microfilm Resolution Test Chart

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WORK PROGRAMME
UNIDO
TECHNOLOGY PROGRAMME

**Development and Transfer of Technology Branch
and Industrial Information Section
(for 1982 and 1983)**

005112

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INTRODUCTION

The Work Programme of the UNIDO Technology Programme for 1982-83 is presented in the following pages. While several activities listed therein are already under implementation, the purpose of this presentation is to provide a conspectus of the Programme's activities and its essential thrust for the guidance of the members of the UNIDO Technology Programme, for the information of others and as a basis for the internal management and future planning of the UNIDO Technology Programme. Activities being implemented and proposed under the Regular Budget and the UNIDF, as well as UNDP and other funding, are presented.

In the nature of things, the Work Programme is indicative. It is so intended in order to retain the necessary dynamism and flexibility to maximize the contribution of the UNIDO Technology Programme to the development and transfer of technology for the benefit of the developing countries. The resource requirements of activities proposed under the Regular Budget are higher than the resources presently available to the UNIDO Technology Programme. Activities under UNIDF, UNDP and other funding are necessarily tentative, subject to acceptance for funding by the appropriate authorities. The realization of the full potential of the Work Programme is thus dependent on the staff and the financial resources made available. Detailed phasing of activities has not been indicated for this reason.

A substantial number of activities in the Work Programme will be implemented in co-operation with other parts of UNIDO or with relevant United Nations or other international organizations, as the case may be.

Any new activity other than ongoing will be undertaken after my approval. Additions or modifications to the Work Programme will be issued periodically, as necessary.

G.S. Gouri
Director
Division for Industrial Studies

EXPLANATORY NOTE

Figures on the right under each activity indicate the funds available or needed in dollars. Figures indicating the years alone refer to regular budget funds. Question marks before the figures (e.g. UNIDF?) indicate that funds are not so far approved and the requisite procedures for obtaining funds should be followed. In these cases the figures shown under each activity are indicative and will need justification in each case.

4.1 DEVELOPMENT OF TECHNOLOGY POLICIES AND PROGRAMMES

Objective: To stimulate action by developing countries at the national level for the adoption of technology policies and plans by sensitizing them on the issues involved; providing the necessary conceptual and methodological basis for national action; and assisting specific developing countries, on request, to make an in-depth examination of their technological needs and the means of fulfilling those needs.

Specific emphasis will be given to the implications of emerging technological advances for developing countries and to enable those countries to take appropriate national-level action and design and implement requisite policies and programmes.

Work Plan for 1982/83

- a) Six countries will be assisted through expert missions and/or meetings by examination at the national level of their current policies and the feasibility of their adopting integrated technology policies and plans. (Tanzania (completed), Senegal, Caribbean region and others).

1982/83? 20,000

Senegal: UNIDF: 39,000

- b) Three developing countries will be assisted in the national level examination of the implications of emerging technological advances and the policy actions to be taken.

(Egypt and two others)

1982: 25,000

1982/83? 50,000

- c) The Government of Mexico will be assisted in setting up a permanent national team to monitor technological advances.

(IFSTD: 93,000)

- d) The GAU will be assisted through professional inputs to a meeting on the application of new technologies to Africa and in the follow-up action for the implementation of the recommendations.

UNIDE; 20,000

1982: 5,400

- e) Long-term technological trends will be studied in the petrochemical (completed) and heavy electrical industries and the results disseminated to developing countries.

1982/83? 15,000

- f) Possible selective applications of space technologies to development development problems of developing countries will be studied to provide inputs for the UN Conference on Space.

1982; 11,500

- g) Technological trends in the telecommunication industry with particular reference to the utilization of optical fibres for the benefit of developing countries will be studied in co-operation with ITU.

1982/83? 10,000

- h) Information on long-term technological trends in sectors covered by the System of Consultations will be consolidated and further studies initiated in two sectors.

1982: 11,000

1982/83? 20,000

- i) A study on the disaggregation of seabed mining technology and the possibilities of co-operation among developing countries in seabed mining and mineral processing will be conducted (completed), leading to a meeting on ocean technologies in co-operation with the UN Secretariat.

1981: 15,000

1982/83? 30,000

- j) A study will be conducted on the implications of technological trends in materials technology and use of materials will be carried out.

1982/83? 15,000

- k) An expert meeting will be held to review technology policy issues for the 1980s with special reference to emerging technological advances.

1982 EGM 30,000

- l) Preparations will be undertaken for the holding of an International Forum on Technological Advances in 1983/84.

FFSTD? 500,000

Genetic engineering and biotechnology

- m) Discussions will be carried out with interested governments and an expert mission on physical facilities organized (completed) in regard to the establishment of an International Centre for Genetic Engineering and Biotechnology, leading to a meeting of interested governments on this question.

UNIDF? 350,000

1982: 10,400

- n) Six major programmes on R + D and related activities in the fields of genetic engineering and biotechnology will be elaborated and promoted.

1982: 16,500

- o) National-level meetings/missions will be conducted in three countries to assist them to review the implications of genetic engineering and biotechnology for their own development programmes and to take appropriate action.

1982: 24,000

- p) A meeting of UNIDO high-level experts will be held to review the actions taken in the fields of genetic engineering and biotechnology and to recommend lines for further action.
(completed)

covered in p) above

- q) A study on the experience of microbial leaching of copper in selected countries in Latin America will be carried out, in co-operation with the Andean Pact, and the results disseminated.

1982: 14,500

- r) A quarterly monitor on genetic engineering and biotechnology will be issued to target audiences in developing countries.

Staff work

1982/83? 4,000

- s) Studies on the legal aspects of the transfer of genetic engineering technologies will be carried out leading to an expert meeting on the subject.

staff work

1982/83? 25,000

Microelectronics

- t) A meeting on the implications of microelectronics for the Latin American region will be held in co-operation with CEPAL.

(UNIDF: 62,700)

- u) A programme of studies in selected sectors and countries in regard to implications of microelectronics will be carried out in co-operation with the UNCTC and ILO.

FFSTD? 400,000

- v) Starting with an expert mission to selected countries, a network of project for selective applications of microelectronics in six developing countries will be initiated and the results reviewed.

1982: 35,000

UNIDF

FFSTD 500,000

- w) A study of the Japanese experience in formulating policies and guidelines for the development of mini-computer industry and its applications will be carried out from the point of view of its relevance to developing countries.

1982/83? 15,000

- x) A programme of co-operation among developing countries and developed countries in establishing software houses in developing countries will be initiated.

1982: 1,000

also see w) above

- y) A project report for establishing a computer-based district level rural development information system will be prepared for the state of Karnataka in India.

1982: 6,000

- z) Publications on informatics and industrial development will be prepared as inputs to the SPIN II Conference.

1982: 31,000

- aa) Preparatory activities in the field of industry will be undertaken in co-operation with IBI as inputs to the SPIN II Conference.

Staff Work

- bb) A quarterly microelectronics monitor will be issued to target audiences in developing countries.

Staff Work

1982/83?: 4,000

4.2 IDENTIFICATION AND EVALUATION OF ALTERNATIVE TECHNOLOGIES

Objective: To identify and evaluate alternative technologies suitable to developing countries, to disseminate the results and to promote the application of such technologies.

Work Plan 1982/83

- a) Work will be continued in co-operation with ILO for the preparation and publication of ten technical memoranda in selected sectors.

ILO Budget and
UNIDO-IDF (Sweden)

- b) Two volumes on technologies from developing countries and one volume on Romanian technologies will be compiled and published.

Staff Work
UNIDF?: 10,000

- c) Studies on technical implementation plans for metal production development units will be carried out in selected African countries in co-operation with the Division of Industrial Operations.

UNIDF? 200,000

- d) Research and development projects for process technology for small-scale steel-making operations will be formulated in selected developing countries in Africa and their implementation promoted, in co-operation with the Division of Industrial Operations.

UNIDF? : 200,000

- e) A newsletter on mini-hydro generating units will be issued in co-operation with ESCAP.

Staff Work

- f) A bibliography on mini-hydro generating units will be issued in co-operation with ESCAP.

Staff Work

- g) A manual for design on mini-hydro generating units will be published in co-operation with OLADE.

UNIDF?: 20,000

- h) A profile of solar equipment manufacturers will be prepared and distributed to developing countries.

1981: 15,000

Staff Work

- i) A publication will be issued on alternative technologies in the use of aluminium with special reference to the Hungarian experience.

Staff work

4.3 TECHNOLOGY RESEARCH, DEVELOPMENT AND EVALUATION

Objective: To promote research and development and adaptation through strengthening industrial research and service institutions, fostering co-operation among them and facilitating pilot plant and commercialization activities for technologies appropriate to developing countries.

Work Plan for 1982/83

- a) Work will be continued on the promotion of the establishment of a pilot plant for the conversion of cellulosic waste to ethanol in the Philippines in co-operation with the Division of Industrial Operations (IOD).

Implementation: IOD

- b) The establishment of pilot demonstration units for the gasification of agricultural waste through pyrolysis will be promoted in four African countries in co-operation with the Division of Industrial Operations.

Implementation: IOD

- c) Co-operation in research and development and adaptation of small-scale distillation plants will be promoted between Brazil and Kenya.

UNIDF? 50,000

- d) A techno-economic study for a pilot plant for rice husk ash cement will be carried out in co-operation with IOD.

figures for implementation; IOD

- e) Work on tripartite co-operation among research institutes of Brazil, Uruguay and Paraguay will be continued.

UNIDF?

- f) A directory of research institutes offering co-operation in R + D will be brought out (completed).

NIL

- g) A directory of research institutes in Africa will be brought out.

1982: 7,500

- h) A compilation of iron and steel research institutes offering co-operation in research together with their areas of specialization will be prepared.

Staff work

- i) A study will be issued on the methods of and facilities for analysing and testing of bauxite ores.

UNIDF?

- j) The establishment of pilot plants for production of solar cells based on amorphous silicon will be evaluated (completed).

1982: 4,500

- k) A directory of research institutions working on the industrial conversion of biomass, in particular into ethanol, will be compiled and disseminated.

Staff work

4.4 DEVELOPMENT OF TECHNOLOGICAL CAPABILITIES

Objective: To promote the development of technological capabilities in developing countries through a variety of actions with reference to field conditions and specific areas and with particular emphasis on the strengthening of existing institutions and promotion of interlinkages.

Work Plan for 1982/83:

- a) Technological monographs on the institutional infrastructure for technological development in selected developing countries will be published.

Staff work

- b) A desk study of the technological infrastructure in least developed countries of Africa will be carried out and a programme drawn up and implemented to promote the development of their technological capabilities.

1982: 13,000

- c) The Government of the Sudan will be assisted in the setting up of a national centre for transfer of technology.

UNIDF?

- d) The Government of Guinea will be assisted in setting up a national centre for transfer of technology.

UNIDF?

- e) Studies will be undertaken on the feasibility of establishing or strengthening 'centres of excellence' in selected sectors in developing countries.

1982/83? 20,000

- f) A follow-up meeting for review of action taken on the recommendations of the Symposium on Industrial Technology in Africa will be held.

UNIDF? 40,000

- g) A symposium on Industrial Technology in the Arab countries will be held.

UNIDF? 80,000

- h) The setting up of a regional centre for research, development and training in mini-hydro generating in the People's Republic of China will be assisted in co-operation with IOD.

Figure for implementation: IOD

- i) A publication on the disaggregation of technology in the petrochemical industry will be issued (completed).

Staff work

- j) A promotional meeting for small industry development in the agro industry sector will be held in the Guanajuato state of Mexico. (completed)

UNIDF: 20,000

- k) A project on small industry co-operation between selected developing countries and Sweden in the engineering industries sector will be continued.

UNIDF: 11,400

(out of a total of 265,620)

- l) A project on small industry co-operation between selected developing countries and the Netherlands in the food processing sector will be implemented.

UNIDF: 365,000

- m) Assistance will be given to formulation of joint programmes with ESCAP-RCTT and the ARCT.

1982/83? 25,000

- n) Work will be continued on promotion of technological co-operation between selected small-scale units of Nepal and India.

RPC

- o) A programme will be elaborated for assistance in small industries particularly garments, shell craft, marble craft and related industries of the Philippines to formulate technological services delivery and to design machine adaptation.

UNIDF?

- p) The establishment of technological services mechanisms for small industries of Thailand, Malaysia and the Caribbean region will be promoted.

UNIDF?

- q) A programme will be formulated for promoting technological services, particularly consultancy and engineering design organizations in developing countries.

Staff Work

UNIDF?

1982/83?

- r) A programme to upgrade technological capabilities of African industrial manpower will be implemented, including the publication of an inventory of technological manpower and institutions in Africa.

UNIDF: 518,700

- s) A programme of promoting adoption of energy conservation technologies in selected industrial sectors in developing countries will be implemented.

UNIDF: 187,000

- t) Guidelines for setting up black and white television receiver assembly plants will be compiled and disseminated (completed).

UNDP:

- u) The Government of Burundi will be assisted in setting up a national centre for technology.

(co-operation with UNCTAD in IFSTD project)

- v) Three regional work shops will be organized (Asia, Africa, Latin America) on technology development and transfer problems in co-operation with regional and subregional institutions.

UNIDF

- w) Assistance will be provided to the Manoiriver Union in organizing a Technology Fair.

UNIDF: 10,000

- x) During the Technology for the People Fair in Manila in 1983, a technical symposium will be organized.

UNIDF

- y) There will be substantive participation by UNIDO in the International Conference on Transfer of Technology, 1982 in Cairo (completed).

- z) Two volumes on national experiences with mini hydro plants will be published (China and Philippines).

Publications Budget

4.5 MONITORING IMPLEMENTATION OF RECOMMENDATIONS OF THE INTERNATIONAL FORUM ON APPROPRIATE INDUSTRIAL TECHNOLOGY

Objective: To systematically follow up, subject to availability of resources, as many recommendations of the Forum as possible through specific projects. Activities under this heading together with the relevant activities in other sections of the work programme and in UNIDO as a whole will constitute UNIDO's continuing co-operative programme of action on appropriate industrial technology.

Work Plan for 1982/83:

- a) The recommendations of the International Forum in selected sectors will be reviewed together with the recommendations of consultation meetings in those sectors and specific activities identified for further promotion.

Staff Work

- b) A preliminary guide to low-cost transport vehicles for rural communities in developing countries will be prepared.

RB 1982/83: 5,000

- c) A concept of integrated utilization of selected agricultural crops through a chain of appropriate technologies will be developed through the preparation of area-specific reports on such possibilities.

RB 1982/83: 5,000

- d) A scheme for award of grants for graduate-level research in appropriate technology will be continued.

RB 82/83? 5,000

- e) Detailed proposals will be elaborated with the help of expert advice for research and development in selected subject areas.

RB 82/83? 10,000

- f) A study on the development of rural energy systems for rural industrialization will be completed and specific project proposals promoted.

RB 82/83? 5,000

staff work

- g) A programme for application of appropriate technologies in the state of Guanajuato in Mexico, to be implemented in tripartite co-operation between Mexico, Sweden and India, will be formulated and promoted.

RP: 6,500

- h) Contribution to IFAC Symposium on Systems Approach to Appropriate Technology Transfer to Developing Countries, Vienna, March 1983.

UNIDF? 34,000

4.6 IMPLEMENTATION AND MONITORING OF RECOMMENDATIONS ON TRANSFER OF TECHNOLOGY CONTAINED IN THE NEW DELHI DECLARATION AND PLAN OF ACTION AND THE VIENNA PROGRAMME OF ACTION ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT

Objective: The objective is to implement and monitor recommendations on development and transfer of technology contained in the New Delhi Declaration and Plan of Action and the Vienna Programme of Action on Science and Technology for Development. This will be done by periodical reviews as well as specific activities. These activities together with the relevant activities in other sections of the Work Programme and in UNIDO as a whole will constitute the totality of the response to the recommendations of the two conferences. In regard to the Vienna Programme of Action close co-operation will be maintained with the UNCSTD New York.

Work Plan for 1982/83

- a) A review of the progress made with reference to the recommendations of the two conferences will be made and submitted to IDB (completed)
staff work
- b) Proposals will be formulated for implementation by UNIDO of the areas of concentration in the Operational Plan of Action as identified by the IGCSTD.
staff work
- c) A case study will be carried out for the mobilization of industrial co-operation of the member institutes of IFIAS, particularly in the early identification and assessment of scientific and technological developments.

1981: 4,000

- d) Project formulation for submission to Financing System for Science and Technology for Development will continue to be promoted.

staff work

- e) Proposals for UNIDO IV in regard to technology including a possible volume on 'Technology: 2000' will be elaborated.

staff work

- f) Participation will be continued in the meeting of ACC Task Force on Science and Technology and the Working Groups.

travel funds

5.1 SHORT-TERM TECHNOLOGICAL ADVISORY SERVICES

Objective: To provide at the request of Governments, information, consultation and short-term advisory services to developing countries at the time of the negotiation of technology contracts and related arrangements for large projects. These services will be provided even at short notice, by staff members or by specialized outside consultants, as needed.

Work Plan for 1982/83:

- a) An estimated 20 advisory assignments will be undertaken.

Revolving Fund of UNIDF: 50,000

5.2 MEASURES TO ASSIST DEVELOPING COUNTRIES IN THE ACQUISITION OF TECHNOLOGY AND THE NEGOTIATION OF TECHNOLOGY CONTRACTS

Objective: To assist developing countries to improve the terms and conditions of which they acquire technology, in particular by strengthening their negotiating capabilities and facilitating greater flow of information and co-operation among developing countries in this regard.

Work Plan for 1982/83:

- a) Two meetings of senior officials of Technology Transfer Registries of TIES will be held to draw up further programmes of co-operation, to review trends in selected sectors and to consider technology acquisition issues arising from technological advances.

UNIDF: 70,000 and other sources

- b) The TIES system will be expanded through increased participation, wider coverage and greater frequency of reporting.

staff work

- c) 12 issues of the TIES Newsletter will be published.

staff work

- d) A TIES service agreement manual will be developed.

1982/83? 5,000

- e) A regular information exchange between TIES and the Andean Information System (SAIT) will be established.

staff work

- f) A manual will be developed for computerization of national information systems on technology transfer agreements through the exchange of experiences of selected national focal points.

1982/83? 15,000

- g) Work will be initiated on case studies on sectoral aspects of technology transfer and country experiences.
- 1982/83? 15,000
- h) Study tours to countries with experience in acquisition of technology transfer will be organized on an ad-hoc basis.
- UNIDF?
- i) An annual review on trends in technology acquisition policies and contracts in selected developing countries will be published.
- UNIDF? 15,000
- j) Training workshops in the negotiation of joint venture agreements will be prepared and published.
- UNIDF?
- k) A manual for negotiation of joint venture agreements will be prepared and published.
- 1982: 15,000
- l) Four case studies on the acquisition and transfer of technology in specific industrial sectors will be published.
- 1982/83: 10,000
- m) Follow-up action on the review and/or regulation of technology imports of the countries in the Asean region will be taken to assist them in the reevaluation of their technological policies and strengthening the mechanisms for the acquisition of technology.
- UNIDF?
- n) The Government of China will be assisted in regard to policies for the acquisition of technology, specially as regards acquisition of technology, exports of technology and information support.
- UNIDF: 27,000

- o) Guidelines on warranty and guarantee provisions in technology transfer provisions will be prepared and published.

UNIDF: 35,000

- p) Assistance will be provided to the Negotiations Branch for formulation of checklists/model contracts for acquisition of technology in selected sectors.

staff work

- q) National-level studies will be conducted on the patterns, conditions, institutional and policy aspects of exports of technology in two more countries leading to an expert meeting on co-operation among developing countries in technology transfer.

1982: 8,000

6.1 ESTABLISHMENT OF INTIB NETWORKING SYSTEM AND GENERATION AND DISSEMINATION OF TECHNOLOGICAL INFORMATION BY INTIB

Objective: To establish and further develop the INTIB network of suppliers of technological information and improve its flow; and to generate specific technical information in the area of concern to the pre-investment choice of technology from alternatives in the 20 selected industrial sectors for the operation of INTIB.

Work Plan for 1982/83:

As a continuing activity through 1982/83:

- a) Identifying a number of top-level experts who could advise INTIB as well as the decision-makers in developing countries on questions of technology selection and technology evaluation at the pre-investment stage. Special agreements would be made with some 50-70 international experts to cover the INTIB sector. This is the initial phase in mobilizing access to individual experts who would be referred to for very specific inquiries needing specialized and assessed knowledge from a variety of sources on recent and forthcoming activities and developments in the technologies in question.

Staff work
1982/83? 5,000

- b) Broadening the base of institutional correspondents to cover more INTIB sectors ensuring good geographical distribution. Particular emphasis will be given to the identification of correspondent 'centres of excellence' in the developing countries themselves.

Staff work
1982/83? 5,000

- c) Preparing a directory of world-wide sources of useful and reliable information on technology choices, providing details on the orientation of each data base, the scope, mode and cost of accessing these sources.

Staff work
1982/83? 5,000

- d) As a continuing operation, INTIB will provide, through the Industrial Inquiry Service, answers to inquiries related to technology selection using the INTIB network.

Staff work
1982/83: 15,000

- e) The Industrial Inquiry Service will also supply to inquirers from developing countries answers drawn from a multitude of external and in-house sources covering sectors other than INTIB.

Staff work
(see d) above)

- f) Preparation of six technological information profiles in the sectors selected for the operation of INTIB, presenting comparisons of the principal industrial and technical data on technology choices specific to each of the alternatives offered for selection. These would include: (i) solar energy equipment, (ii) selected petrochemical technologies and (iii) information on pumps for agriculture. Selection of the subjects will inter alia take into account recommendations of consultation meetings.

1982/83? 50,000

- g) Preparation of several information packages relating to technology choices in priority sectors using available material at UNIDO headquarters, in anticipation of expected demand in these sectors.

Staff work

1982/83: 8,000

- h) Preparation and dissemination of industrial and technological profiles under the series 'How to start manufacturing industries', in co-operation with ICPO.

1982/83: 5,000

- i) Monitoring through published material technological advances in selected fields of industry.

Staff work

1982/83: 5,000

6.2 IDENTIFICATION OF AND ESTABLISHMENT OF LINKAGES WITH AN AMONG
INTIB CLIENTS

Objectives: To develop linkages and communication with end-users of INTIB in developing countries, in particular through regional, sub-regional and national institutions so as to disseminate relevant information based on needs and to promote greater availability and utilization of technological information in the decision-making processes.

Description and 1982/83 Work Plan:

As a continuing activity through 1982/83

- a) Holding an expert group meeting to constitute an Advisory Group of INTIB users to promote further co-operation with INTIB and among themselves; to advise on priorities for INTIB's further programme of work, user needs and priorities, etc.

UNIDF? 50,000
- b) Staff mission to selected countries in Africa to promote INTIB use and identify user requirements.

UNIDF ? 30,000
- c) Holding a meeting of representatives of development finance institutions of selected developing countries in order to establish a Technological Information Network (TIEN) on technology selection among them (completed).

1982: 38,000
- d) Participation in international meetings related to INTIB.

Subject to availability of
travel funds

- e) Providing expert advisory services to RITLA.

SIS: 16,500

- f) Briefing visits of trainees from INTIB national and regional focal points, SIDFAs, JPOs, etc. on the work of INTIB.

Staff Work

- g) Promotion through staff missions, SIDFAs and other official contacts of INTIB services and developing co-operation with more national and regional industrial information structures engaged in local processing of INTIB-related inquiries with a view to establishing more focal points and promoting TCDC exchanges of information on technology choices.

Staff Work

Travel subject to availability of travel funds

- h) Preparation of a manual for the establishment - or redesign - of industrial and technological services of a problem-oriented nature in developing countries including integration of an information policy with industrial and technological policies.

1982/83? 10,000

7.1 DEVELOPMENT AND DISSEMINATION OF DATA ON INDUSTRIAL INFORMATION SOURCES

Objectives: To identify and promote utilization of information sources from both developed and developing countries relating to industrial and technological information to be channelled to developing countries by UNIDO under its overall industrial information and advisory services.

Description and 1982/83 Work Plan:

As a continuing activity through 1982/83

- a) **Compiling and updating sectoral Guides to Information Sources for publication under the publications programme; preparing an instruction manual for compilers of such Guides.**

Staff Work
1982/83? 10,000

- b) **Developing a capability to access on-line world-wide data bases, including UNIDO's own (LINK), in order to ensure access to documentation, and to sources of information and of industrial supplies, etc.**

Staff Work

- c) **Developing specific linkages with other UN organizations with a capability to open access to information sources, such as WIPO with the state-of-the-art search programme pursued with the co-operation of the Austrian Patent Office, UNEP with its INFOTERRA Referral System to sources of information on environmental aspects, AGRIS of FAO, and UNISIST OF UNESCO, etc.**

Staff Work

- d) **Developing country files relating to technology structure, institutions, etc. relating to developing countries.**

Staff Work

- (e) Mobilizing UNIDO-generated information material contained in publications, documents, studies, expert reports, etc. by abstracting, indexing and including abstracts in a computerized data base and also in the Industrial Development Abstracts series published under the publications programme.

Staff Work

1982/83: 22,500

7.2 PUBLICATIONS RELATING TO INDUSTRIAL AND TECHNOLOGICAL INFORMATION FOR DEVELOPING COUNTRIES

Objectives: To produce and channel towards end-users information material generated by UNIDO in the form of documents of various descriptions, periodicals or contributions to the UN publications programme.

Description and 1982/83 Work Plan:

As a continuing activity through 1982/83

- a) Continuing the publication of the monthly UNIDO Newsletter with its language versions, English, French and Spanish, as well as Russian under special arrangement with VINITI, USSR, while examining the possibility to resume publication in Arabic and initiating one in Chinese. Writing features for the Newsletter, updating its readership mailing list of 30,000 entries and processing feedback correspondence from readers.

Computer printing and 1982/83
mailing charges: 62,000

- b) Pursuing the processing for publication of manuscripts generated under the various projects under the Technology Programme, the TIES Newsletter, the Guides to Information Sources, the Industrial Development Abstracts.

Staff Work

- c) Discharging editorial, processing and dissemination responsibilities for the Development and Transfer of Technology series. Six issues each year will be prepared consisting of monographs, technological profiles et al, generated under the Technology Programme.

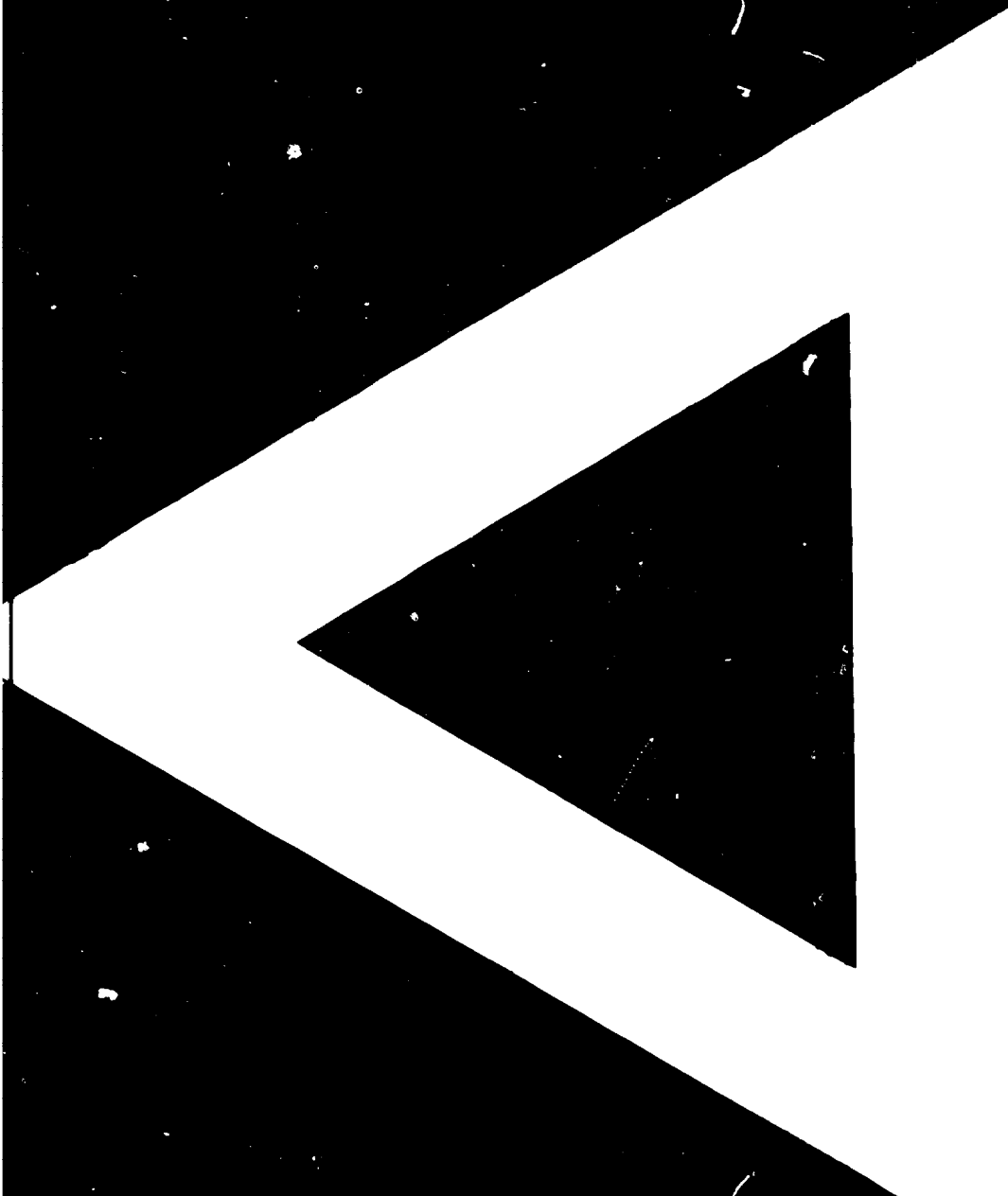
Staff Work

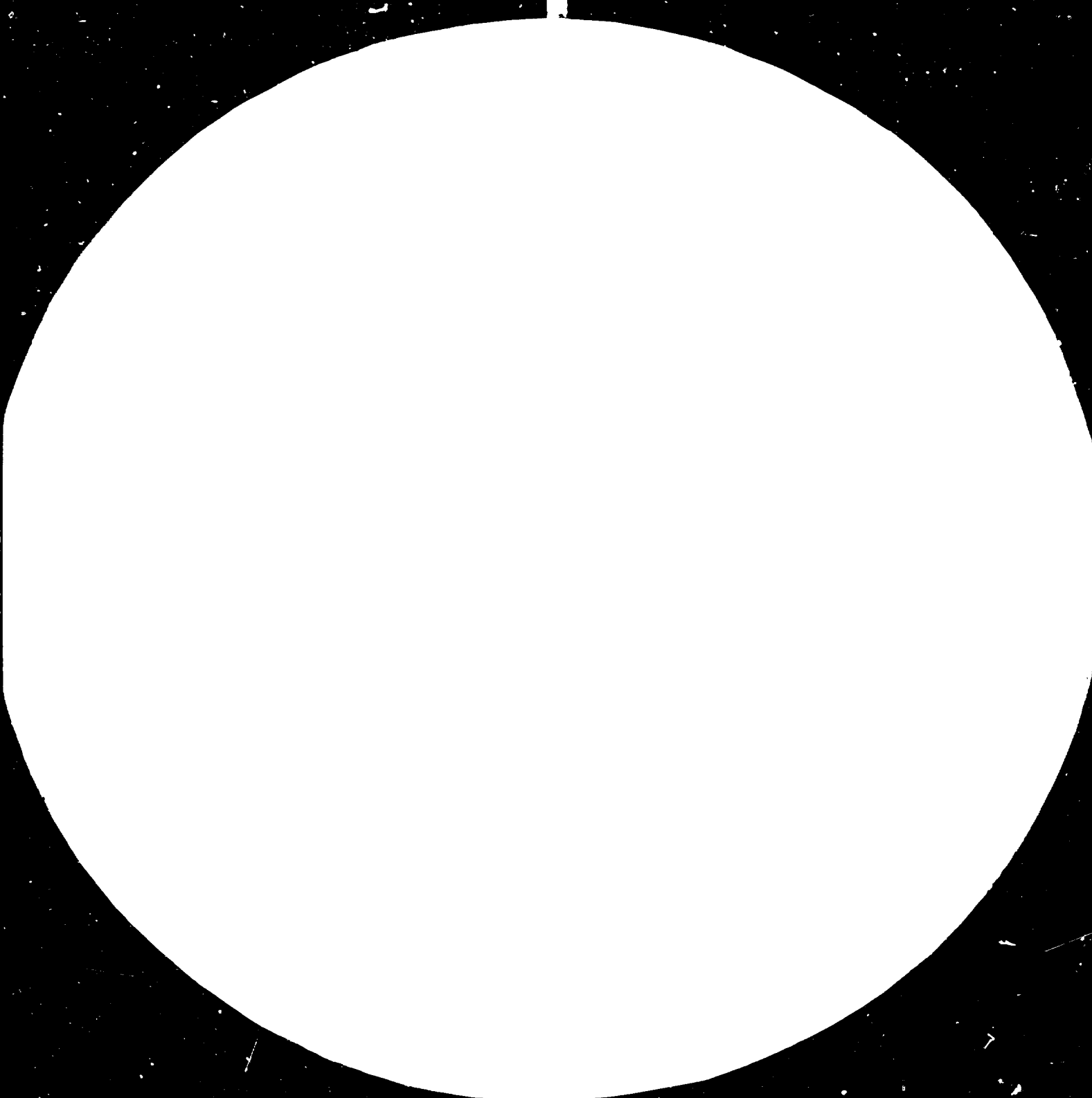
- d) Developing publication material for Technology Programme activities, INTIB, etc.

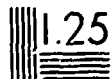
Staff Work

- e) Meeting the overall documentation and referral requirements of UNIDO headquarters and field staff (the Section will send about 100,000 UNIDO documents and other information material each year).









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UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

WORK PROGRAMME
UNIDO
TECHNOLOGY PROGRAMME

Development and Transfer of Technology Branch
and Industrial Information Section
(for 1982 and 1983)

Addendum*

Page 5, para. (a)

Add: In co-operation with the Caribbean Council for Science and Technology (CCST), the United Nations Centre for Science and Technology for Development and UNESCO, a Symposium on the Implications of Advanced Technologies in the Caribbean will be organized in late 1983 or early 1984, and a preparatory meeting will be held in June or July 1983.

UNIDF: \$15,000

To assist the Government of Malaysia in developing a technology policy framework, a national Industrial Technology Symposium will be organized in co-operation with the Standards and Industrial Research Institute of Malaysia (SIRIM), the Ministry of Science and Technology, etc. in Kuala Lumpur in 1983.

UNIDF: \$10,000

In connection with the Technology Development project formulated by UNIDO for the Interim Fund for Science and Technology for Development (now the United Nations Financing System for Science and Technology for Development), and implemented directly by the Government of the Dominican Republic, the Ministry of Technology plans to organize an international symposium, with the support and co-operation of, among others, UNIDO in mid-1983.

1982/1983 \$5,000

* This document has been reproduced without formal editing

A workshop to exchange views on the implications of advanced technologies is planned to be organized in Trinidad and Tobago during 1983 involving senior personnel from relevant ministries, organizations, universities, institutions and selected high-level experts.

1982/1983 \$10,000

Page 5, para. (b)

Add: UNIDO will present a paper on "Technology and co-operation with the third world, with specific focus on the implications of advanced technologies to the developing countries" at the First International Technology Fair and the Ghent International Fair, 3-7 May 1983.

1982/1983 \$2,000

Page 6, para. (f)

Add: A paper entitled "Potential applications of space-related technologies to developing countries" has been prepared for the Second United Nations Conference on the Exploration and Peaceful Uses of Outer Space.

\$13,000

Page 7, para. (j)

Add: A series on state-of-the-art review of technology trends in materials and related technologies will be initiated.

Page 7, para. (k)

Should read: An expert meeting will be held to prepare guidelines for developing countries on institutional response to technological advances.

1983 \$18,000

Page 7, para.(1)

Should read: An Expert Group Meeting Preparatory to the International Forum on Technological Advances and Development was held in November-December 1982 and the Forum will be held in April 1983.

1982/1983 \$100,000

Page 7, para. (m)

Add: The meeting was convened jointly by the Government of Yugoslavia and UNIDO and took place in Belgrade from 13 to 17 December 1982. The recommendations of the meeting will be presented at a ministerial meeting to be held in July 1983.

UNIDF \$350,000

Page 8, para. (o)

Add: A national seminar to assess the implications of genetic engineering and biotechnology for their own development programmes will be held in the Republic of Korea.

1982/1983 \$15,000

Page 8

Add: (t) A study entitled "Application of biotechnology and genetic engineering to African fermented food processes" has been prepared and one is being prepared on the possibilities of commercializing the production of "Talin" protein sweetener in Africa.

1982/1983 \$5,000

Page 9, item (x)

Add: Guidelines for production and application of software by developing countries will be prepared.

1983 \$8,000

"also see (w) above"

Should read also see (v) above.

Page 10,

Add: (cc) A study on "Prospects of microelectronics application in process and product development in Africa" has been prepared.

RB: \$1,000

Add: (dd)

The Fourth Brazilian Workshop on Microelectronics at Campinas will be assisted and special studies undertaken on microelectronics application for power devices and the biomedical field.

1983 \$9,000

Add: (ee)

An International Symposium on Microelectronics for Productivity will be held at New Delhi in co-operation with the Government of India and the Asia Electronics Union.

1983 \$7,000

Add: (ff)

Preparatory work for a Joint UNIDO/ECWA Meeting on Microelectronics for the ECWA region will be carried out.

1983 \$10,000

Page 14

Add: (1) A brochure will be prepared on agricultural machinery and implements which represent alternative technologies, encompassing main applications, advantages, manufacturing know-how, power source, etc.

Staff Work

Page 16, para. (h)

Add: (i) Technical advice and support will be provided to the Technical Director of the Regional Centre for Research and Training on Small Hydropower in formulating and implementing duties and tasks for the Regional Centre. (ii) In co-operation with ESCAP, particularly the Regional Energy Development Programme (REDP), a Regional Network for Small

Hydropower in the ESCAP region will be established in Hangzhou, China, to be co-ordinated by the Regional Centre. The first activity of the Regional Network will be conducting a training course on the planning, programming and implementation of small hydropower projects in developing countries.

- (i) UNDP project fund \$35,000
- (ii) UNDP project fund \$75,000

Page 18, para.(s)

Add: A project on the application and transfer of energy conservation technology and the preparation of a guideline for dissemination will be carried out in Malaysia from March to May 1983. A meeting to disseminate the experience to other ASEAN countries and non-ASEAN developing countries will be organized in September or October 1983.

UNIDF \$180,000

Page 18, para.(x)

Add: UNIDF \$25,000.

Page 18

Add: (aa) In co-operation with the ESCAP Regional Centre for Technology Transfer (RCTT), the UNDP Regional Energy Development Programme (REDP) and the Government of Malaysia, the Third Senior Expert Group Meeting on Small Hydropower was held in Kuala Lumpur, Malaysia in March 1983.

UNIDF \$47,000

Add: (bb) Regarding the restructuring of the technology servicing sector for industries and to ascertain the implications of emerging technologies a symposium/workshop will be organized in Bangkok, Thailand, during the second quarter 1983.

RB \$10,000

Add: (cc) The Institute of Developing Countries, Yugoslavia, the United Nations Centre on Transnational Corporations and UNIDO organized the Tenth Round Table of Developing Countries on Industrial Co-operation among Developing Countries from Small-scale Industries to Transnational Corporations.

UNIDF \$43,505

Page 20 .

Add: (i) WAITRO is to be assisted by UNIDO in strengthening the capabilities of Industrial and Technological Research Institutes through linkages and co-operative arrangements.

UNFSSTD \$60,000 for WAITRO

Page 22, para.(f)

Add: Project proposals for joint activities by United Nations agencies developed by the ACC Task Force have identified several projects where UNIDO was designated the lead agency. Accordingly, it is planned to initiate the first phase of the joint activities during 1983.

RB/UNIDF/UNFSSTD \$100,000

Page 24, para. (e)

Should read: A co-operative mechanism between TIES members and the Andean Technological Information System (SAIT) in areas of common interest will be established.

Staff Work

Page 25, para. (g)

Should read: Work will be initiated on studies on aspects of technology transfer and country experiences in the areas of software technology.

UNIDF \$25,000

Page 26

Add (r) A study will be initiated on technology transfer contract monitoring methodologies, which will be based on the experiences of selected developing and developed countries.

Staff Work

Add (s) A study on contractual aspects of flows of technology among developing countries will be initiated.

UNIDF \$25,000

Page 30, para. (c)

Add: The TIEN system will be put into pilot operation in 1983.

1982/1983 \$38,000

Page 31

Add: (i) Methodological guidelines concerning the organization of national industrial information structures and services will be prepared.

1982/1983 \$10,000

Staff Work

Add: (j) Project proposals will be formulated for implementation by the UNIDO Industrial Information Policies Assistance Service.

Staff Work

Add: (k) Guidelines concerning a national inventory of industrial information will be prepared.

1982/1983 \$8,000

Add: (l) Guidelines on INTIB services at the national level and on international co-operation will be prepared.

1982/1983 \$10,000

Add: (m) Advisory services concerning the assessment of existing industrial infrastructure and users' needs and the further development of industrial and technological information services will be provided at the request of Governments.

Staff Work

Page 31 contd.

Add: (n) Guidelines will be prepared for information exchange in the field of small industry.

1982/1983 \$5,000

Add: (o) Guidelines will be prepared on inexpensive computerization for small industry.

1982/1983 \$5,000

Add: (p) In co-operation with UNFSSTD, there will be participation in selected aspects of the operation of DEVNET.

UNFSSTD funds



