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**INDUSTRIAL  
DEVELOPMENT  
ABSTRACTS**

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# **INDUSTRIAL DEVELOPMENT ABSTRACTS**

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**UNIDO Industrial Information System (INDIS)**



**UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION**  
**Vienna, 1987**

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# INDUSTRIAL DEVELOPMENT ABSTRACTS

## Introduction

This publication provides a specialized guide to UNIDO documentation on industrialization in developing countries, much of which is unpublished. It supplements the indexes available from various United Nations bodies and specialized agencies, providing a fuller picture of economic development activities of the United Nations family.

The following material is indexed: major studies and reports, publications in series, and selected articles; reports and proceedings of expert working groups, workshops and seminars; internal studies; and reports related to technical assistance.

*Industrial Development Abstracts* consists of four parts: a subject index, an author index, a document number index and bibliographical abstracts. The number given with each entry in the subject, author and document indexes is the computer access number of the item. The abstracts are printed in sequence according to the access number, which appears at the top left of each entry. The descriptors used are taken from the *UNIDO Thesaurus of Industrial Development Terms*.

*Industrial Development Abstracts* is processed using the CDS/ISIS software package developed by the International Labour Office (ILO) and currently supported by the United Nations Educational, Scientific and Cultural Organization (UNESCO). The system is compatible with indexing systems used by other United Nations bodies and specialized agencies, thus facilitating the exchange of information.

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# RESUMES D'ETUDES SUR LE DEVELOPPEMENT INDUSTRIEL

## Introduction

Le but de la présente publication est de servir de guide pour une documentation, en grande partie inédite, concernant l'industrialisation des pays en développement, et de fournir un complément aux index publiés par les divers organismes des Nations Unies, en donnant une idée plus complète des activités que ceux-ci consacrent au développement économique.

On y trouvera des résumés de diverses catégories de documents : études et rapports importants, publications périodiques et articles sélectionnés; y figurent aussi des rapports et comptes rendus de réunions d'experts, de journées d'études et de séminaires, des études internes, et des rapports sur des activités d'assistance technique.

Les *Résumés d'études sur le développement industriel* sont divisés en quatre parties : un index par sujets, un index par auteurs, un index par cotes de documents et des analyses bibliographiques. Le numéro de chaque rubrique dans les listes par sujets, par auteurs et par cotes correspond au numéro d'enregistrement du document sur fichier magnétique. Les résumés sont classés par ordre numérique d'après leur numéro d'enregistrement qui est reproduit en haut et à gauche de chaque rubrique. Les abréviations utilisées sont tirées du *Thesaurus of Industrial Development Terms* de l'ONUDI.

Les *Résumés d'études sur le développement industriel* sont établis à l'aide du Système de documentation automatique et du Système intégré d'information scientifique (CDS/ISIS), ensemble de programmes mis au point respectivement par le Bureau international du Travail (BIT) et

l'Organisation des Nations Unies pour l'éducation, la science et la culture (UNESCO), et conçu de la même manière que les systèmes d'indexation adoptés par d'autres organismes des Nations Unies et institutions spécialisées, ce qui facilite l'échange rapide d'informations.

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### Введение

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Индексирован следующий материал: основные исследования и доклады, публикации в сериях и отдельные статьи; доклады и отчеты о работе рабочих групп экспертов, симпозиумов и семинаров; внутренние исследования и доклады, касающиеся технической помощи.

*Резюме по вопросам промышленного развития* состоит из четырех частей: индекс вопроса, индекс автора, индекс номера документа и краткий перечень справочной литературы. Номером, под которым регистрируется каждый индекс вопроса, автора и документа, является номер выборки информации по этому вопросу в ЭВМ. Резюме печатаются в последовательности, соответствующей номеру выборки информации, который ставится в верхнем левом углу каждой регистрационной записи. Используемая при описании терминология взята из *Словаря по промышленному развитию ЮНИДО*.

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## EXTRACTOS DE DESARROLLO INDUSTRIAL

### Introducción

Esta publicación sirve de guía especializada de la documentación de la ONUDI relativa a la industrialización de los países en desarrollo, documentación en gran parte inédita. Constituye un suplemento de los índices que pueden proporcionar los diversos órganos y organismos especializados de las Naciones Unidas, facilitando un cuadro más completo de las actividades de desarrollo económico realizadas por el sistema de las Naciones Unidas.

En los extractos se clasifica el siguiente material: informes y estudios principales, publicaciones que forman parte de series y artículos seleccionados; informes y actas de grupos de expertos, cursos prácticos de capacitación y seminarios; estudios internos, e informes sobre cuestiones de asistencia técnica.

Los *Industrial Development Abstracts* constan de cuatro partes: un índice de materias, un índice de autores, un índice por número de documento, y extractos bibliográficos. El número que acompaña a cada materia, autor y documento en los índices correspondientes es el número de entrada que les está asignado en la computadora. Los extractos se publican siguiendo el orden de esos números de entrada, que figuran en la esquina superior izquierda de cada inscripción. Los descriptores empleados se han tomado del *Thesaurus of Industrial Development Terms* de la ONUDI.

Los *Industrial Development Abstracts* se tramitan utilizando el paquete de programa CDS/ISIS, desarrollado por la Oficina Internacional del Trabajo (OIT) y actualmente apoyado por la Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura

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INDUSTRIAL DEVELOPMENT ABSTRACTS

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15401

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Leicester, Robert H.  
Walford, G B  
UNIDO

EXPERT GROUP MEETING ON TIMBER CONSTRUCTION, VIENNA, 1985  
ON A MANUAL FOR INTRODUCING TIMBER ENGINEERING DESIGN IN DEVELOPING  
COUNTRIES

Vienna 1986 6 p

UNIDO-ID/WG 447/13

<UNIDO pub> introducing a <handbook> on <timber> <engineering> in  
<developing countries> - covers (1) terms and definitions,  
<classification> procedures, <engineering design> code, worked  
examples (2) timber <specifications> as to durability, sizes and  
<humidity> contents, construction methods, <maintenance and repair>  
(3) structural analysis (stresses and deformation), loads,  
composite structures (4) use of <Australia>n <standards>, suitable  
to DCs <infrastructure> and <tree species>. <Recommendations>,  
<bibliography>

ENGL

32 10

15402

1986

UNIDO

TECNIBERIA, MADRID

(R) BOLIVIA CHOICE AND FORMULATION OF TECHNOLOGICAL PROCESS ROUTES  
FOR IRON AND STEEL PRODUCTION BASED ON DOMESTIC RAW MATERIALS AND  
NATURAL RESOURCES FINAL REPORT.

SI/BOL/85/802

Vienna, 1986 1 vol (various pagings). tables, graphs.

<UNIDO pub> <Final report> on <choice of technology> for <iron and  
steel industry> in <Bolivia> - covers (1) previous studies, <market  
information>, <domestic consumption>, <natural resources>, <human  
resources> (2) selection of alternatives; <mining> and preparation  
of <iron>, <limestone> and <lime>; <iron ore>, <ore processing>;  
use of <charcoal>; <direct reduction>; <rolling> mill (3) <capital  
costs>, <production costs>; project formulation; <manpower>,  
<infrastructure>, <utilities>; <financial aspects> and <economic  
aspects> Conclusions, <statistics>, <bibliography>. Additional  
references <location of industry>, <transport>. <Restricted>.

ENGL

36 10

15403

1986

Mencik, F

UNIDO

CHINA FOOTWEAR TECHNOLOGY. TECHNICAL REPORT.

DP/CPR/83/004

Vienna, 1986. 17 p.

UNIDO-DP/ID/SER.A/678

<UNIDO pub>. <Expert report> on assistance to <shoes> manufacture in <China> - covers (1) findings regarding activities at a <leather> <technology> <development centre> in Shanghai; <machinery>; required <knowhow> (2) visits to <factory>s; suggestions for improvements (3) lectures delivered, <training programmes> (4) <modernization> of the Shanghai shoe industry. <Recommendations>, <job description> Additional references <testing>, <quality control>, <pilot plant>.

ENGL  
32.40

15404 1986

Perez, Alfonso M.

UNIDO

ESTUDIO SOBRE LAS INDUSTRIAS DE METALES NO FERROSOS EN NICARAGUA.

Vienna, 1986. 60 p. tables, diagrams.

<UNIDO pub> on <nonferrous metals> in <Nicaragua> - covers (1) technical characteristics and socio-<economic conditions> of the nonferrous metals <industrial sector>; <mineral resources>, <geographic distribution>, <transport> (2) existing <metalworking industry>s (3) <legal aspects> and <institutional framework> (4) <development policy> and <government contribution>; mineral deposits, prospects (5) alternative development strategies and <cooperation>; <development potential>; <marketing>; <pricing>, <labour>; constraints. <Bibliography>, <statistics>, <maps>

SPAN  
36.20

15405 1985

Gloeckl, Josef A.

UNIDO

COMFAR TRAINING COURSE, COLOGNE, FRG

FINAL REPORT OF COMFAR TRAINING COURSE, NOV. 1985.

Vienna, 1985. 22 p.

<UNIDO pub> on a <seminar> on the use of COMFAR, held in <Germany FR> - covers (1) organization of the seminar to train participants to calculate <investment> projects using <computer programmes> (2) <case study> on production of burnt <calcium carbonate> in <Nigeria>; <equipment> problems. <List of participants>.

ENGL  
12.40

15406 1986

Watts, Julian A.

UNIDO

(R) MODEL FOR THE FINANCIAL STRUCTURE AND OPERATIONS OF AN INTERNATIONAL REPAIR AND MAINTENANCE AGENCY.

Vienna, 1986. 1 vol. (various pagings).

<UNIDO pub>. <Expert report> on <planning> an international <maintenance and repair> agency in <Africa>n countries - covers (1)

<regional cooperation> between the SADCC countries (<Angola>, <Botswana>, <Lesotho>, <Malawi>, <Mozambique>, <Swaziland>, <Tanzania>, <Zambia>, <Zimbabwe>) to construct a repair and maintenance (IRMA) and <spare parts> (SPA) agency (2) <supply>, <consulting>, and <trade> functions of SPA, need for <electronic data processing>, <organizational aspects>, <foreign exchange> needs, <financial aspects> and <planning>; problems of <debt>s and <pricing>, <role of UNIDO>, <investment>s operational analysis Annexes list of <banks> prepared to invest. <Recommendations>

ENGL  
25.20

15407 1986

Kassi, Kakou

UNIDO

(R) COTE D'IVOIRE. RAPPORT DU PERSONNEL DE CONTREPARTIE SUR LES SYSTEMES D'INFORMATION INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 41 p.

UNIDO-UNIDO/IS/R.27

<UNIDO pub> on <industrial information> and <technical information> systems in <Ivory Coast> - compares 31 existing <information service>s. <Restricted>.

FREN  
01.20

15408 1986

Gaston, Payom

Sikombe, Emmanuel

UNIDO

(R) CAMEROUN. RAPPORT DU PERSONNEL DE CONTREPARTIE SUR LES SYSTEMES D'INFORMATION INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 29 p.

UNIDO-UNIDO/IS/R.28

<UNIDO pub> on <industrial information> and <technical information> systems in <Cameroon> - covers existing <information system> network in <industry and higher education>, <research centre>s, <institutional framework>; survey of users with indication of the <information service>s needed (2) <training> needs of <staff>. <Recommendations>. <Restricted>.

FREN  
24.20

15409 1986

El Toukhy, M. Ezz Eldin

Yudin, A.

UNIDO

(R) ZAMBIA. COUNTRY REPORT ON THE INDUSTRIAL AND TECHNOLOGICAL INFORMATION SYSTEMS.

RP/RAF/85/621

Vienna, 1986. 19 p.

UNIDO-UNIDO/IS/R.30

<UNIDO pub>. <Expert report> on <industrial information> and <technical information> systems in <Zambia> - covers (1) existing and <development potential> of <information system>s and

<information service>s, assessment of users (<industry and higher education>, <research centre>s), their specific needs (2) identification of focal point for <INTIB> in SIDU, its importance for growth of <small scale industry>; need for <computer> and <electronic data processing>, <staff> needs, <Recommendations>, <questionnaire>, <documentation>, <Restricted>.

ENGL  
24.20

15410 1986

Sekho, Cheikh Tidiane

UNIDO

(R) SENEGAL. RAPPORT DU PERSONNEL DE CONTREPARTIE SUR LES SYSTEMES D'INFORMATION INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 17 p.

UNIDO-UNIDO/IS/R.26

<UNIDO pub> on <industrial information> systems in <Senegal> (reference: <INTIB>) - covers (1) identification and role of <information system>s and <information service>s (2) <organizational aspects>; <staff> requirements; services available to users; <documentation>; <equipment>; (3) needs of <industrial enterprise>s; potential role of INTIB; <training>; identification of users. <Questionnaire>, list of <information centre>s  
Additional reference: <information technology>. <Restricted>.

FREN  
24.20

15411 1986

Touneisi, Mohamed

UNIDO

(R) ALGERIE. RAPPORT DU PERSONNEL DE CONTREPARTIE SUR LES SYSTEMES D'INFORMATION INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 37 p. tables, diagram.

UNIDO-UNIDO/IS/R.25

<UNIDO pub> on <industrial information> systems in <Algeria> (reference: <INTIB>) - covers (1) the <institutional framework>; causes of inadequacies; <economic implications> (2) present and potential industrial <information service>s and <information system>s; users; nature of services required from INTIB; <skills>; <staff> <training> needs; strengthening of services; <organizational aspects> of a national system. Tables, list of <information centre>s, <questionnaire>, <diagram> Additional reference: <information technology>. <Restricted>

FREN  
24.20

15412 1986

Imende, Paul B.

UNIDO

(R) KENYA. NATIONAL COUNTERPART REPORT ON THE INDUSTRIAL AND TECHNOLOGICAL INFORMATION SYSTEMS.

Vienna, 1986. 59 p. tables, diagrams.

UNIDO-UNIDO/IS/R.22

<UNIDO pub> on <industrial information> systems in <Kenya>

(reference: <INTIB>) - covers (1) national <industrial development> (2) <information centre>s; <information system>s and <information service>s currently available; their <development potential>; <information exchange> (3) existing and potential users, their needs; services demanded from INTIB (4) <staff> and <skills> required; <training needs> (5) <computer> and <telecommunications> services for an INTIB national focal point. <Diagram>s, list of information centres. Additional reference: <information technology>. <Restricted>.

ENGL  
24.20

15413 1986

Lesuisse, Alfred

UNIDD

JAMAICA. SMALL SCALE GOAT SKIN TANNING TECHNICAL REPORT.

SI/JAM/85/801

Vienna, 1986. 63 p. diagrams.

UNIDO-DP/ID/SER A/681

<UNIDO pub> <Expert report> on assistance to small scale <tanning> of goat <hides and skins> in <Jamaica> - covers (1) the domestic <leather industry>; availability of hides and skins, tanning as a <small scale industry>; locally used <tannin> derived from mangrove and divi-divi trees (2) <training programmes> conducted during mission <Recommendations>, <diagram>s, <factory layout>, <list of participants>, guide to goat skin tanning. Additional references: <livestock>, <chemicals>, <equipment>.

ENGL  
32.40

15414 1986

Conroy, William T.

Mohs, Ralph M.

Plaetzer, Karl Heinz

Svensson, Hans D

UNIDO

INDUSTRIAL RESTRUCTURING IN PERU: POLICIES FOR GROWTH AND DEVELOPMENT.  
- REESTRUCTURACION INDUSTRIAL EN EL PERU: POLITICAS DE CRECIMIENTO Y  
DESARROLLO

Vienna, 1986. xiv, 123 p. tables. graphs.

UNIDO-UNIDO/IS 614

<UNIDO pub> on <structural change> and <industrial policy>s in <Peru> - covers (1) past experience of <economic growth>; structural change in the <manufacturing> sector (2) the case for a new industrial policy; framework for <industrial growth>; sector-specific policies (3) the <textile industry> (4) <capital goods> for the <mining> sector; <equipment> for <electric power station>s and <electric power distribution>. <Recommendations>, <statistics>, <bibliography>. Additional references: <public sector>, <productivity>, <technological change>, <investment policy>

ENGL SPAN  
14.60

15415 1986



Locke, Brian

UNIDO

(R) KOREA R. DEVELOPMENT OF FLUIDIZED BED COMBUSTION BOILER. TECHNICAL REPORT.

DP/ROK/82/029

Vienna, 1986. 1 vol. (various pagings). diagrams, illus.

<UNIDO pub> <Expert report> on assistance in development of fluidized bed combustion <boilers> for utilization of low-grade anthracite <coal> in <Korea R> - covers (1) relevant <research programmes> conducted at the Korea Institute of <Energy> and Resources; specific activities and output (2) <seminar> notes on an experience in the <UK> <Recommendations>, <bibliography>, <flow chart>s, illustrations. Additional references: <energy conservation>, <fuel>, <lignite>, <gasification>. <Restricted>.

ENGL

34 30

15416

1986

Massie, Etienne Dominique

UNIDO

(R) CHILI ETUDE POUR UNE REALISATION DU GEMMAGE EN FONCTION DES DONNEES GEOGRAPHIQUES, HUMAINES, CLIMATIQUES, FINANCIERES, DES BESOINS CHILIENS ET DU MARCHE INTERNATIONAL. RAPPORT TECHNIQUE. - ESTUDIO SOBRE LAS POSIBILIDADES DE RESINAR LOS PINOS EN FUNCION DE LOS DATOS GEOGRAFICOS CLIMATICOS Y FINANCIEROS DE CHILE DE SUS NECESIDADES Y DEL MERCADO INTERNACIONAL. INFORME TECNICO

UC/CHI/84/075

Vienna, 1986. 63 p tables, maps, graphs, illus.

<UNIDO pub> <Expert report> on natural <resins> from pines in <Chile> (reference: <forest products>) - covers (1) <forestry> resources; <tree species>; plantation of Pinus Radiata; availability of <workers> (2) methods of tapping and collecting resins (3) <distilling> processes; <filtering>; <storage>; typical end products (4) the <world market> for oleo resins; <demand> in Chile <Recommendations>, <statistics>, <maps>, illustrations, <bibliography>, <glossary>. Additional references: <chemicals>, <economic aspects>, <forest product processing>. <Restricted>

FREN SPAN

35 80

15417

1986

Radzimirski, Stanislaw

UNIDO

(R) INDIA. APPLICATION OF ALTERNATIVE FUELS FOR INTERNAL COMBUSTION ENGINES. IIP, DEHRA DUN. FINAL REPORT

DP/IND/82/001

Vienna, 1986. 19 p.

<UNIDO pub>. <Final report> on assistance in development of two-stroke internal combustion <engines> for neat <methanol> operation in <India> - covers (1) relevant work conducted at a <research centre>; <experiment>s, <testing> of alternative <engine fuel>s; tests of scooters (2) reduction of fresh charge losses into the exhaust to improve fuel economy and decrease <air pollution> (3)

<training> of <technical personnel> at the centre.  
<Recommendations>. Additional references: <energy saving>, <motor vehicles>. <Restricted>.

ENGL  
34 30

15418 1986

Walsh, Michael

UNIDO

(R) HONG KONG. IMPROVEMENT OF EMISSIONS FROM MOTOR VEHICLES. FINAL REPORT.

DP/HOK/82/005

Vienna, 1986. 52 p. tables, graphs.

.....

<UNIDO pub>. <Final report> on assistance in reducing harmful emissions and resultant <air pollution> from <motor vehicles> in <Hong Kong> - covers (1) the serious problem of particulate emissions from vehicles with <diesel engines>; implications for <urban area> <environment>, <health>, tourism, etc. (2) the existing programme for <pollution control>; required improvements; <standards>; <maintenance and repair>, smoke checks, vehicle inspection (3) emission control technologies. <Recommendations>, <statistics>, <project document>, <bibliography>. Additional reference: <nitrogen> <oxide>, <lead>, <petrol>, <road transport>. <Restricted>.

ENGL  
37 30

15419 1986

Collomp, Rene

UNIDO

(R) MADAGASCAR. ENERGIES NOUVELLES ET RENOUELABLES. RAPPORT TECHNIQUE.

DP/MAG/84/007

Vienna, 1986. 44 p. tables, diagrams.

.....

<UNIDO pub>. <Expert report> on assistance to <solar energy> and small <hydroelectric power> projects in <Madagascar> - covers (1) progress of two solar installations to be used in <water> <heating> i.a. in <hospitals>; potential for local supply of <equipment>; <maintenance and repair> (2) sites for setting up micro <electric power station>s (3) measures indicated for <energy conservation> and increased use of <renewable energy>s. <Recommendations>, tables, <diagram>s. Additional references: <investment>, <costs>. <Restricted>

FREN  
34 10

15420 1986

Grossouvre, Pierre de

UNIDO

SENEGAL. PERSPECTIVES D'AMENAGEMENT ET DE REORIENTATION DES ACTIVITES DE L'INDUSTRIE TEXTILE. RAPPORT TECHNIQUE.

DP/SEN/85/006

Vienna, 1986. 49 p.

UNIDO-DP/ID/SER. A/685

<UNIDO pub>. <Expert report> on <textile industry> in <Senegal> - covers (1) situation of the sector; data on various <industrial enterprise>s; <spinning>, <weaving>, <knitting>, <dyeing>; <product mix>, <production capacity>s; <financial aspects> (2) strengths and problems of the sector; <raw material>s (mainly <cotton>); the <market>, <demand>; <development potential>; <employment> aspects; <industrial project>s; proposed action.

FREN  
32 30

15421

1986

UNIDO

ZIEGLER INSTRUMENTS GMBH, MOENCHENGLADBACH  
TRAINING COURSE ON CAD COMPUTER PROGRAMMES, PRAGUE, 1986. FINAL REPORT.  
DP/CZE/82/006  
Vienna, 1986. 2 p.

....

<UNIDO pub>. <Final report> on <training> in the use and function of <computer-aided design> - covers presentation and extensive demonstration of the advanced CAD functions.

ENGL  
26 10

15422

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Nayudamma, Yelavarthy

UNIDO

AN ALTERNATIVE PATHWAY FOR INDUSTRIALIZATION: A BIOMASS-BASED STRATEGY.  
Vienna, 1985. 47 p.  
UNIDO-UNIDO/IS 532

<UNIDO pub> on the potential roles of <biomass> as a basis for <industrialization> - covers (1) <choice of technology> in this sector; existing and <advanced technology> (2) need for an <industrial policy> favouring generation and collection of biomass for industrial conversion (3) relevant <research and development>; <pilot plant>s; specific projects (4) proposals for <cooperation> in a network of <research centres>; <roles of UNIDO>, <roles of developing countries>. Additional references: <biotechnology>, <TCDC>.

ENGL  
35 50

15423

1986

Daus, T.

Manck, Otto

UNIDO

DESIGN AND PRODUCTION OF MICROELECTRONICAL SYSTEMS AND COMPONENTS.  
Vienna, 1986. iii, 54 p. graphs, diagrams.  
UNIDO-UNIDO/IS 624

<UNIDO pub> on <microelectronics>, with special reference to <systems design> and <integrated circuits> - covers (1) design methods for electronic systems (2) breadboarding and printed circuit board design (3) custom designed ICs (4) <computer-aided design> of ICs (5) <silicon> <foundry> for semicustom design.

<Recommendations>, <bibliography>, <diagram>s. Additional references: <computer programmes>, <information technology>.

ENGL  
38.20

15424 1986

Jourdan, Paul

UNIDO

(R) ZIMBABWE. THE NON-FERROUS METALS INDUSTRY.

Vienna, 1986. 76 p tables, map.

<UNIDO pub>. <Final report> regarding the <nonferrous metals> industry in <Zimbabwe> - covers (1) history of <mining> in Zimbabwe; background and present operations (2) mining and <ore processing>; <smelting> and <refining> of <nickel>, <copper> and <tin> (3) production, <exports>, <manpower>, <marketing>, <power supply> (4) the non-ferrous metal <trade>, <processing> of <metals> <Statistics>, <maps> <Restricted>.

ENGL  
36.20

15425 1986

UNIDO

ROUND-TABLE DISCUSSIONS ON THE DEVELOPMENT OF PHOSPHATES AND PHOSPHATE

FERTILIZER INDUSTRY IN DEVELOPING COUNTRIES, GAFSA, TUNISIA, 1985

REPORT OF THE MEETING (DEVELOPMENT OF PHOSPHATES)

- RAPPORT SUR LES TRAVAUX DE LA TABLE RONDE

Vienna, 1986. 88 p

UNIDO-ID/WG 453/14

<UNIDO pub> <Report> of a <meeting> on the development of <phosphates> and <phosphate> <fertilizer industry> in <developing countries> - covers (1) meeting background and organization (2) findings regarding: <mining> of phosphates; beneficiation of low-grade phosphates; their use as fertilizer; production of fertilizers; <economic aspects>, <marketing>, <energy>, maintenance and <environmental> problems <Recommendations>, <list of participants>, <list of documents>, abstracts of country and technical papers. Additional references: <ore processing>, <maintenance and repair>, <energy saving>

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15426 1986

Murazkiewicz, M.

Tomic, P.

UNIDO

(R) FIELD MISSION REPORT ON THE INDUSTRIAL AND TECHNOLOGICAL INFORMATION SYSTEMS IN TUNISIA, ALGERIA, SENEGAL, COTE D'IVOIRE AND CAMEROON

Vienna, 1986. 70 p

UNIDO-UNIDO/IS/R 40

<UNIDO pub> <Expert report> on industrial <informatics> systems in <Tunisia>, <Algeria>, <Senegal>, <Ivory Coast> and <Cameroon> (reference <INTIB>) - covers (1) existing and potential systems,

<information service>s and networks (2) national focal points proposed for INTIB; their specialized <information processing> (3) users of <industrial information>; their needs and priorities (4) nature of services required from INTIB, modalities of linkages and communication with INTIB headquarters. <Recommendations>, <questionnaire>, <bibliography>. Additional references: <information centre>s <information exchange>, <data base>s, <information technology>, <data collecting>. <Restricted>.

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15427 1986  
El-Toukhy, M. Ezz Eldin  
Yudin, A.  
UNIDO

(R) FIELD MISSION REPORT ON THE INDUSTRIAL AND TECHNOLOGICAL INFORMATION SYSTEMS IN NIGERIA, ZAMBIA, TANZANIA, KENYA AND EGYPT. Vienna, 1986. v. 39 p.  
UNIDO-UNIDO/IS/R 39

<UNIDO pub>. <Expert report> on industrial <information system>s in <Nigeria>, <Zambia>, <Tanzania>, <Kenya> and <Egypt> (reference: <INTIB>) - covers (1) existing and potential systems and <information service>s (2) national focal points proposed for INTIB (3) users of <industrial information>; needs and priorities (4) services required by INTIB users; communication with INTIB headquarters. <Recommendations>, <questionnaire>, <bibliography>. Additional references: <information centre>s, <information exchange>, <data base>s, <information processing>, <information technology>. <Restricted>.

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15428 1986  
El-Toukhy, M. Ezz Eldin  
Yudin, A.  
UNIDO

(R) EGYPT. COUNTRY REPORT ON THE INDUSTRIAL AND TECHNOLOGICAL INFORMATION SYSTEMS. Vienna, 1986. iv, 24 p.  
UNIDO-UNIDO/IS/R 33

<UNIDO pub>. <Expert report> on industrial <information system>s in <Egypt> (reference: <INTIB>) - covers (1) existing and potential systems and <information service>s (2) national focal points of INTIB (3) users of <industrial information>, their specific needs and priorities (4) services required by INTIB users. <Recommendations>, <questionnaire>, <bibliography>. Additional references: <information centre>s, <information exchange>, <data base>s, <information processing>, <information technology>. <Restricted>.

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15429 1986  
Muraszkiwicz, M.

Tomic, P

UNIDO

(R) SENEGAL. RAPPORT NATIONAL SUR LES SYSTEMES D'INFORMATION  
INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 33 p.

UNIDO-UNIDO/IS/R 36

<UNIDO pub>. <Expert report> on industrial <information system>s in  
<Senegal> (reference: <INTIB>) - covers (1) existing and potential  
<information service>s and systems (2) national focal points  
proposed for INTIB; their information activities (3) users of  
<industrial information> and <technical information> (4)  
information needs and services required by INTIB users (5)  
<training> needs of national information systems  
<Recommendations>. <questionnaire> <bibliography> Additional  
references: <information centre>s. <data base>s. <information  
processing>. <Restricted>.

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1986

Muraszkiewicz, M

Tomic, P

UNIDO

(R) ALGERIE. RAPPORT NATIONAL SUR LES SYSTEMES D'INFORMATION  
INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 32 p.

UNIDO-UNIDO/IS/R 35

<UNIDO pub>. <Expert report> on industrial <information system>s in  
<Algeria> (reference: <INTIB>) - covers (1) existing and potential  
<information service>s and systems (2) national focal points  
proposed for INTIB; their activities; the <institutional framework>  
(3) users of <industrial information> and <technical information>;  
services required by INTIB users; communication with INTIB  
headquarters <Recommendations>. <questionnaire>. <bibliography>  
Additional references: <information centre>s. <data base>s.  
<information processing>. <information technology> <Restricted>.

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15431

1986

Muraszkiewicz, M

Tomic, P.

UNIDO

(R) TUNISIE. RAPPORT NATIONAL SUR LES SYSTEMES D'INFORMATION  
INDUSTRIELLE ET TECHNIQUE.

Vienna, 1986. 35 p.

UNIDO-UNIDO/IS/R 34

<UNIDO pub>. <Expert report> on industrial <information system>s in  
<Tunisia> (reference: <INTIB>) - covers (1) existing and potential  
<information service>s and systems (2) national focal points  
proposed for INTIB; their activities; types of <data collecting>  
and <information processing>. the <institutional framework> (3)  
users of <industrial information> and <technical information>;  
services required by INTIB users; communication with INTIB  
headquarters; <Recommendations>. <questionnaire>. <bibliography>.  
Additional references: <information centre>s. <data base>s.

<information technology>. <Restricted>.

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15432 1986

UNIDO

BORGHI E BALDO INGG. MILAN

(R) SUDAN FEASIBILITY STUDY FOR A CENTRAL WORKSHOP FOR THE  
MANUFACTURE OF SPARE PARTS FOR THE SUDANESE TEXTILE INDUSTRY VOL I  
U.II FINAL REPORT

SI/SUD/78/802

Vienna, 1986. 116 p. tables, graphs, diagrams

<UNIDO pub>. <Feasibility study> on the manufacture of <spare parts> for the <textile industry> in <Sudan> - covers (1) background and <methodology> (2) present production <machinery> location, <spinning> and <weaving> machinery, <productivity> <evaluation> (3) problems and constraints in the fields of spare parts quality, <maintenance and repair>, <power supply>, <transport>, <manpower needs> and <quality control> (4) development <forecast> up to 1995 (5) proposed <domestic production> of spare parts, <domestic consumption>, <imports>, <training centre> (6) <raw materials>, <capital investment>, <working capital>, <capital costs>, <labour costs> (7) <utilities>, <waste disposal> (8) <economic aspects> and <social aspects>; creation of <employment opportunities> <Recommendations>, <statistics>, <maps>. <Restricted>

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15433 1986

Sigurdson Jon

Tagerud, Jael

UNIDO

SELECTED ASPECTS OF MICROELECTRONICS TECHNOLOGY AND APPLICATIONS:

CUSTOM AND SEMI-CUSTOM INTEGRATED CIRCUITS TECHNOLOGY TRENDS

SERIES NO 1

Vienna, 1986. 101 p. tables, diagrams.

UNIDO-UNIDO/IS 631

<UNIDO pub> <Expert report> on <microelectronics> technology and application in <developing countries> with special reference to <integrated circuits> (IC) - covers (1) technology resources and <technological change> <experts engaged in research and development>, the role of <transnational corporations> (3) the IC <market> and <electronics industry>; <world production> of <electronic equipment>; the <semiconductor> market (4) IC <appropriate technology> (5) application of specific integrated circuits (ASICs) the new role of IC <equipment> producers vis-a-vis conventional chip makers; <choice of technology> (6) <computer> assisted design; <testing> (7) experience in <Korea R>, <India> and in other DCs (8) <technology policy> issues <Bibliography>.

ENGL  
38 10

15434

1986

Nexo, S.A.

UNIDO

INDIA. DEVELOPMENT OF MICROPROCESSOR BASED AGRO-DAIRY INSTRUMENTS.  
TECHNICAL REPORT: DEVELOPMENT AND CALIBRATION OF INFRA-RED  
INSTRUMENTS.

DP/IND/81/025

Vienna, 1986 13 p. graphs.

UNIDO-DP/ID/SER A/709

<UNIDO pub> <Expert report> on the development of microprocessor  
based <measuring instruments> for use in <dairy products industry>  
based on experience in <India> - covers: the status of instruments;  
<training> of personnel, <training programmes>; calibration of  
grain-instrument, <standards> methods, <Recommendations>.

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15435

1986

UNIDO

TECHNONET, SINGAPORE

PRODUCTION AND USE OF MACHINE TOOLS IN THE ENGINEERING INDUSTRY OF  
ESCAP DEVELOPING COUNTRIES, SINGAPORE, 1986

THE MACHINE TOOL INDUSTRY IN THE ASEAN REGION: OPTIONS AND STRATEGIES.  
MAIN ISSUES AT REGIONAL LEVEL. SECTORAL WORKING PAPER SERIES NO.49,  
VOLUME I

Vienna, 1986 33 p. tables

UNIDO-UNIDO/IS 634

<UNIDO pub> on the <machine tool industry> in the <ASEAN> region  
with special emphasis on <regional level> issues - covers (1)  
general characteristics: <definition>s, the industrial structure of  
the ASEAN countries, machine tool <development policy>s (2)  
constraints and issues in the fields of technical production,  
<labour productivity> and <skills> and of <financing> (3) strategy  
and policy options <human resources>, <institutional framework>;  
<components> <standardization>, <government policy>s Findings and  
<recommendations>

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1986

UNIDO

WORKSHOP AND DEMONSTRATION ON APPROPRIATE TECHNOLOGY AND EQUIPMENT FOR  
THE FOOD-PROCESSING INDUSTRY, NOVI SAD, YUGOSLAVIA, 1986

REPORT (WORKSHOP ON APPROPRIATE TECHNOLOGY AND EQUIPMENT FOR THE FOOD  
PROCESSING INDUSTRY)

Vienna, 1986 25 p

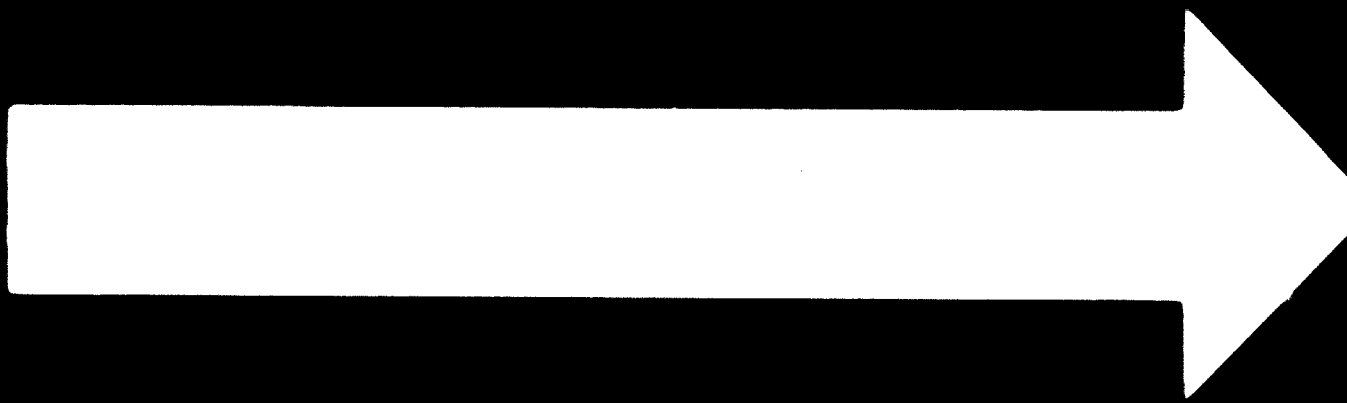
UNIDO-UNIDO/PC 143

<UNIDO pub> <Report> of a <meeting> on <appropriate technology>  
and <equipment> for <food industry> in <developing countries> -  
covers (1) bilateral and groups discussions on cooperation in the  
fields of <agro-industry>, <agri-product processing>, <livestock>,  
<agricultural machinery>, vegetable <oils and fats>, increasing  
<food production> through <irrigation> and drainage systems (2)  
references to situation in <Yugoslavia>, <Algeria>, <Burkina Faso>,  
<Central African Republic>, <Sudan>, <Ethiopia>, <Gambia>,  
<Guinea>, <Guinea Bissau>, <Madagascar>, <Sri Lanka>, <Sierra



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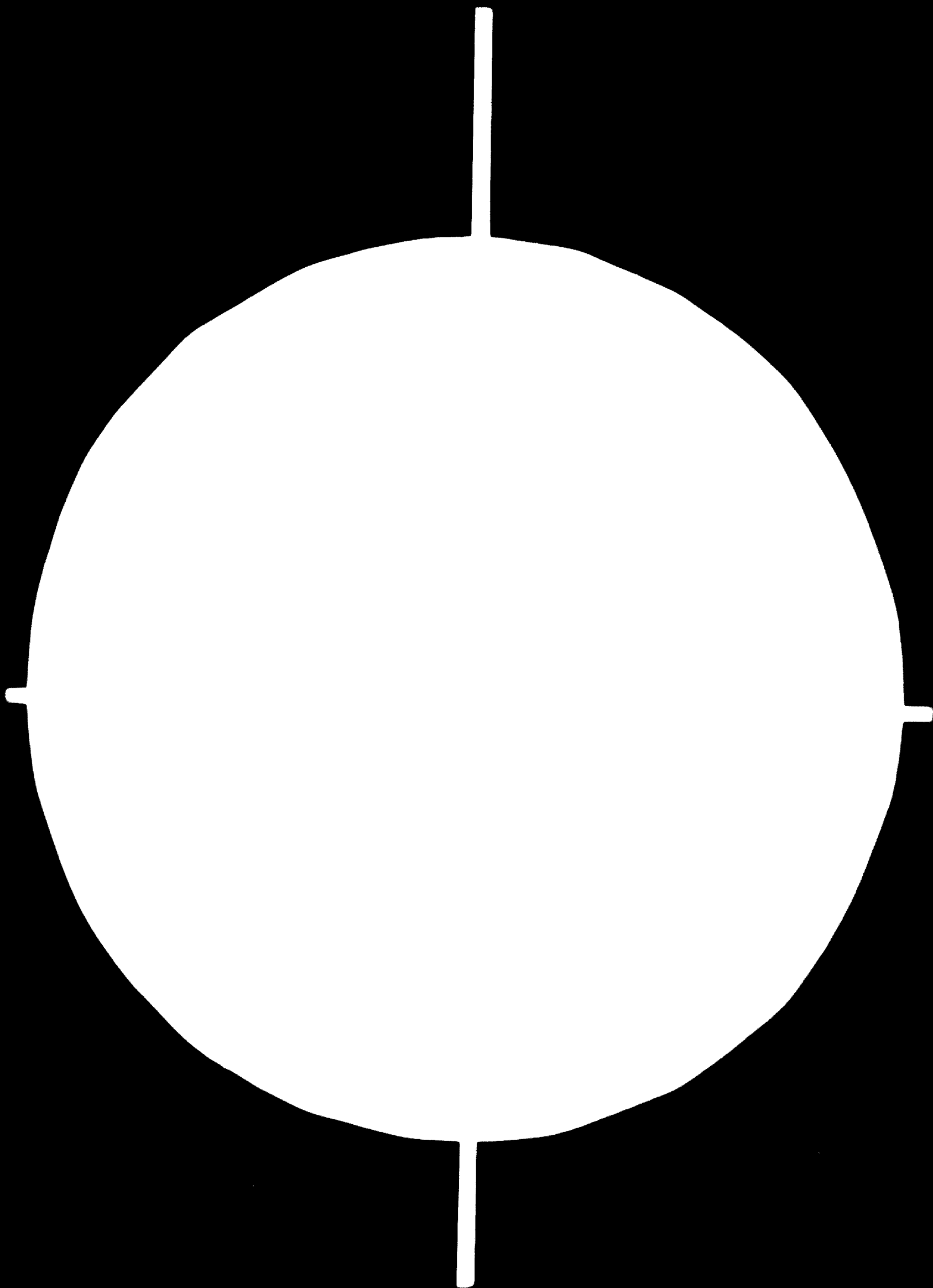
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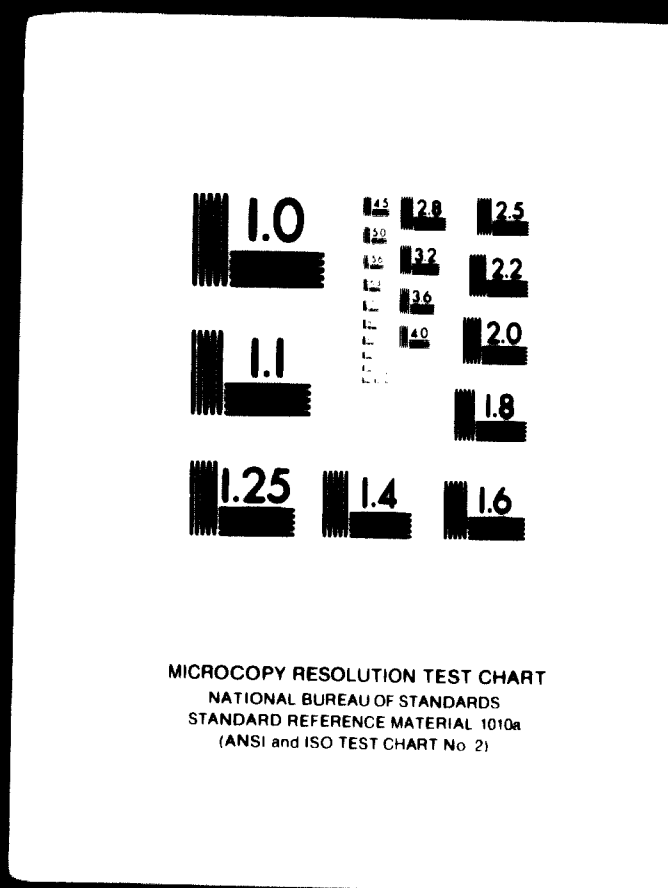
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Leone> and <Tanzania>. <Recommendations>. Appends <list of participants>.

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15437 1986  
UNIDO

TATA RESEARCH DEVELOPMENT AND DESIGN CENTRE, PUNE, INDIA  
APPLICATIONS OF PATTERN RECOGNITION AND IMAGE PROCESSING TO INDUSTRIAL  
PROBLEMS IN DEVELOPING COUNTRIES.

Vienna, 1986. iv, 83 p. diagrams.

UNIDO-UNIDO/IS 609

<UNIDO pub> on the use of <automation> in <quality control>, with special reference to <industrial application>s of pattern recognition and image processing (machine vision) - covers (1) <definition> of pattern recognition and image processing, relevant techniques, required <computer>s and <computer programmes>, examples of recognition systems; current status and relevance of such techniques for <productivity> and <process control> in <developing countries> (2) specific applications in DCs, remote sensing, industrial inspection, <data recording> (3) initiatives needed to start activities in pattern recognition and image processing <Bibliography>, <diagram>s, <glossary> Additional references <computer-aided manufacture>, <computer-aided design>

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24 30

15438 1985

Fortuney, J C

UNIDO

(R) KENYA ASSISTANCE TO SMALL SCALE INDUSTRIES TERMINAL REPORT  
(PHASE II)

KEN/81/017

Vienna, 1985 26 p tables

<UNIDO pub> <Expert report> on <small scale industry>s in <Kenya> with special emphasis on the role of the Kenya <industrial estate>s Ltd (KIEI) - covers (1) project background and objectives, <technical assistance> and <financial aid> given (2) <training> and <fellowships> (3) <workshop>s built under the auspices of KIEI, <financing> (4) <project implementation>. Findings and <recommendations> Appends 1 a construction programme and work plan <Diagram>s, <maps>, <statistics>, <job description> Additional reference: <feasibility study>s, <regional development> <African entrepreneurship>, <industrial extension> <Restricted>

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21 40

15439 1986

UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
THE MASTERING OF THE TECHNOLOGY AND DEVELOPMENT OF THE IRON AND STEEL  
INDUSTRY IN DEVELOPING COUNTRIES. ISSUE PAPER 2  
- LA MAITRISE DES TECHNIQUES ET DU DEVELOPPEMENT DE L'INDUSTRIE

SIDERURGIQUE DANS LES PAYS EN DEVELOPPEMENT. DOCUMENT THEMATIQUE NO.2

- EL DOMINIO DE LA TECNOLOGIA Y EL DESARROLLO DE LA INDUSTRIA SIDERURGICA EN LOS PAISES EN DESARROLLO. DOCUMENTO DE DEBATE NO.2.  
Vienna, 1986. 20 p. diagrams.  
UNIDO-ID/WG.458/12

<UNIDO pub> on the <iron and steel industry> in <developing countries>, with special reference to <choice of technology> - covers (1) technological alternatives in <factory establishment> (2) mini-plants; problems; integration with other sectors, nationale (3) <training> aspects; <methodology>; development of new <industrial projects>; <costs> of training (4) final considerations. <Diagram>s. Additional references: <spare parts>, <knowhow>.

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36 10

15440 1986  
UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
THE IRON AND STEEL INDUSTRY: PRESENT SITUATION, PROSPECTS AND THE NEED FOR MORE INTEGRATED DEVELOPMENT OF THE IRON AND STEEL AND CAPITAL GOODS INDUSTRIES. ISSUE PAPER I.

- SIDERURGIE: SITUATION ACTUELLE, PERSPECTIVES ET NECESSITE D'UN DEVELOPPEMENT PLUS INTEGRE DE L'INDUSTRIE SIDERURGIQUE ET DE L'INDUSTRIE DES BIENS D'EQUIPEMENT. DOCUMENT THEMATIQUE NO 1.  
- LA INDUSTRIA SIDERURGICA: SITUACION ACTUAL, PERSPECTIVAS Y NECESIDAD DE UN DESARROLLO MAS INTEGRADO DE LAS INDUSTRIAS SIDERURGICAS Y DE BIENES DE CAPITAL. DOCUMENTO DE DEBATE NO 1.

Vienna, 1986 16 p. tables.  
UNIDO-ID/WG 458/11

<UNIDO pub> on integrated development of the <iron and steel industry> and <capital goods> industries in <developing countries> - covers (1) links between these sectors (2) the present situation of the <iron> and <steel> industry; relevant relations between countries; <trade> aspects; future <trends> (3) an integrated approach to development of iron and steel, capital goods, and <agricultural machinery> industries (4) <cooperation> for better use of resources in DCs; possibilities of <TCDC>. Recommendations <Statistics>.

ENGL FREN SPAN RUSS  
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15441 1986  
UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
FINANCIAL SITUATION AND PERSPECTIVES OF THE IRON AND STEEL INDUSTRY. ISSUE PAPER 3

- SITUATION ET PERSPECTIVES FINANCIERES DE L'INDUSTRIE SIDERURGIQUE DOCUMENT THEMATIQUE NO 3

- SITUACION FINANCIERA Y PERSPECTIVAS DE LA INDUSTRIA SIDERURGICA DOCUMENTO DE DEBATE NO 3.

Vienna 1986 13 p table  
UNIDO-ID/WG 458/13

<UNIDO pub> on issues confronting the <iron and steel industry>, with special reference to <financing> - covers (1) the impact of

financial constraints on development of new <industrial project>s in <developing countries> (2) the role of project <costs> in obtaining <capital> (3) source of funds; conditions of financing (4) financing of <infrastructure> and <training> (5) final considerations. <Statistics>. Additional references: <production capacity>, <capital market>, <cost of capital>.

ENGL FREN SPAN RUSS

36.10

15442 1986

Roberts, John G.

UNIDO

EGYPT. PLANT SURVEYS ON ENERGY CONSERVATION TECHNIQUES (TEXTILE INDUSTRY).

DP/EGY/83/001

Vienna, 1986. 69 p. tables, graphs, diagrams.

UNIDO-DP/ID/SER.A/680

<UNIDO pub>. <Expert report> on <energy saving> techniques for <textile industry> in <Egypt> - (1) gives background information regarding an <energy conservation> project; reports on <factory> visits (2) presents <seminar> papers concerning: the future availability of <energy>; <energy economics>; energy metering techniques; energy <management>; energy audits in factories. <Recommendations>, <statistics>, <flow chart>s, tables.

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34.10

15443 1986

Machherndl, L.

UNIDO

IN-PLANT GROUP TRAINING PROGRAMME ON SYNTHETIC FIBRES. VIENNA, 1985. APPLICATION OF SYNTHETIC FIBRES IN TEXTILE PROCESSING. FINAL REPORT.

US/INT/85/067

Vienna, 1986. 27 p.

....

<UNIDO pub>. <Final report> on the application of <synthetic fibres> in <textile industry> - covers: project background and objectives; <training programmes>; <equipment> for <testing> fabrics and <manmade fibres>; <in-plant training>; <factory> visits.

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32.30

15444 1986

Lesuisse, Alfred

UNIDO

(R) CAMEROON. APERCU SUR LE SECTEUR CUIR.

XA/RAF/85/610

Vienna, 1986. 27 p. tables, map.

....

<UNIDO pub>. <Expert report> regarding <leather industry> in <Cameroon> - covers (1) present state of the sector, considering <livestock>, <hides and skins>, <tanning>, <shoes> production and various <leather goods> (2) sectoral problems. <Recommendations>, <statistics>, <maps>. Additional references: <cattle>.

<slaughtering>, <export>, <tariffs>, <Restricted>.  
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15445  
UNIDO  
MICROELECTRONICS MONITOR. ISSUE NUMBER 17.  
Vienna, 1986. v. 56 p. tables, graphs, diagram.  
||||

<UNIDO pub> giving information on developments in the field of  
<microelectronics> - covers (1) news and events (2) <advanced  
technology>; <market> <trend>s; company news (3) <computer>  
applications; factory <automation>; <computer-aided manufacture>;  
<computer programmes>; artificial intelligence and expert systems  
(4) country news, <standardization> and <legislation>; <social  
aspects> and <economic implications> of new <electronics>  
technologies (5) recent publications. Additional references:  
<integrated circuits>, <informatics>, <research>.

ENGL  
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UNIDO  
1986

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
INTEGRATED DEVELOPMENT BETWEEN THE IRON AND STEEL AND CAPITAL GOODS  
SECTORS: CONCRETE CASE STUDIES  
- LE DEVELOPPEMENT INTEGRE DE LA SIDERURGIE ET DE L'INDUSTRIE DES  
BIENS D'EQUIPEMENT: ETUDES DE CAS CONCRETS.  
- EL DESARROLLO INTEGRADO ENTRE LOS SECTORES DE LA INDUSTRIA  
SIDERURGICA Y LOS DE BIENES DE CAPITAL: ESTUDIOS DE CASOS CONCRETOS.  
Vienna, 1986. 35 p. tables.  
UNIDO-ID/WG.458/9

<UNIDO pub>. <Case study>s of integrated development between the  
<iron and steel industry> and the <capital goods> sectors in seven  
countries - briefly reviews experience, <trend>s, <interindustry  
relations> and <development policy>s in <Czechoslovakia>,  
<Austria>, <France>, <Peru>, <Cuba>, <India>, and <Zimbabwe>.  
<Statistics> Additional references: <planning>, <domestic  
consumption>, <machinery>, <diversification>.

ENGL FREN SPAN  
36.10

15447  
Hopfenberg, Harold B.  
UNIDO  
1986

(R) INDIA. BIOSCIENCE AND ENGINEERING. TECHNICAL REPORT.  
DP/IND/80/003  
Vienna, 1986. 13 p.  
||||

<UNIDO pub>. <Expert report> on <biotechnology> with special  
emphasis on <pest control> based on experience in <India> - covers  
(1) the controlled release of the larvicide ABATE (temephos) to  
mosquito-larvae infested water sources and of the pesticide Furadan  
3 G (Carbofuran) to <rice> paddies (2) <laboratory> <research and

development>; <chemical analysis>; <models> <testing>. Conclusions and <recommendations>. <Restricted>.

ENGL  
11.30

15448 1986

Srinivasan, V.R.

UNIDO

(R) INDIA. BIOSCIENCE AND ENGINEERING. TECHNICAL REPORT.

DP/IND/80/003

Vienna, 1986. 8 p.

<UNIDO pub>. <Expert report> on <biotechnology> and <engineering> in <India> - covers: project background; <research and development> on <cellulose> biotechnology with emphasis on the <evaluation> of mutants of penicillium funiculosum for production of <enzymes>. <ethanol> production. <Recommendations>. <Restricted>

ENGL  
32.10

15449 1986

van Heek, Karl H.

UNIDO

(R) INDIA. COAL GASIFICATION. TECHNICAL REPORT.

DP/IND/80/004

Vienna, 1986. 16 p. diagrams.

<UNIDO pub>. <Expert report> on the <gasification> of <coal> in <India> - covers (1) <pilot plant>; <laboratory> work on <gasification kinetics and <gas> conversion; <UNDP>-provided <instruments> (2) <testing>; <process control> (3) <electronic data processing>; <data evaluation> and <assessment> (4) <expert>s and <training programmes>. <Restricted>.

ENGL  
35.20

15450 1986

Said, Rahimah Md.

UNIDO

WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), VIENNA, 1985

MALAYSIA. TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS).

Vienna, 1986. 31 p. tables, diagrams.

UNIDO-ID/WG.461/4

<UNIDO pub> on the role of <small scale industry> in <economic development> based on experience in <Malaysia> - covers: <economic conditions>; <government contribution>; national <economic planning>; <diversification> of the manufacturing base as an overall strategy of small scale industry development; <entrepreneurship>; the national <productivity> centre; <training programmes>; <standards institute>; <credit>; <financial aspects>.

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21.40



15451

1986

UNIDO

SRI LANKA. INDUSTRIAL DEVELOPMENT REVIEW SERIES.

Vienna, 1986. 109 p. tables, graphs.

UNIDO-UNIDO/IS.613

<UNIDO pub> on the <industrial development> of <Sri Lanka> - covers (1) <economic conditions> and recent economic <trends> (2) the <manufacturing> sector: <industrial growth> and <structural change>; <trade>, ownership and <foreign investment>; <size of enterprise>s (3) <industrial planning>; <public sector> and <private sector>; <government policy>s; <institutional framework> for industry (4) <human resources>; <raw material>s; <energy source>s; <technical assistance>. <Bibliography>, <statistics>. Additional references: <balance of payments>, <employment>, <production capacity>, <geographic distribution> of <export>s and <import>s.

ENGL

14.60

15452

1986

Polyzakis, Michel

UNIDO

WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), VIENNA, 1985  
TECHNOLOGICAL SUPPORT FOR THE SMALL AND MEDIUM SIZE ENTERPRISES (SMSE)  
IN GREECE.

Vienna, 1986. 6 p.

UNIDO-ID/WG.461/3

<UNIDO pub> on <technical assistance> to <small scale industry> in <Greece> - covers: <organizational aspects>; <research centre>; <industry and higher education>; <industrial development> programme; <management technique>; <financial aspects>, centre for <productivity>.

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15453

1986

UNIDO

WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), VIENNA, 1985  
TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS) ISSUES.

Vienna, 1986. 11 p. diagrams.

UNIDO-ID/WG.461/1

<UNIDO pub> on <technology transfer> to <developing countries> with special reference to <small scale industry> and <medium scale industry> - covers: <appropriate technology>; <development planning>; <institutional framework>; <industrial policy>; <development potential>; the role of technology resource institutions; the concept of the technological services delivery system (TSDS) and its functioning in the <Philippines>; constraints.

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21.40

15454

1986

Hall, Yvonne M.

UNIDO  
WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), VIENNA, 1985  
DESCRIPTION OF THE ORGANIZATION AND WORK OF THE CARIBBEAN TECHNOLOGY  
CONSULTANCY SERVICES (CTCS) NETWORK.

Vienna, 1986. 11 p. tables.

UNIDO-ID/WG.461/2

<UNIDO pub> on <technology> <consulting> services in the  
<Caribbean> - covers: the general concept of the Caribbean  
Technology Consultancy Services (CTCS); <technical information>;  
<project implementation>; <project evaluation>; <technical  
assistance>; <financing>; <seminar>s; <workshop>s. <Statistics>.

ENGL  
22.10

15455 1986

UNIDO

ECE-SEMINAR ON THE REQUIREMENTS OF STEEL INDUSTRIES IN DEVELOPING  
COUNTRIES, TURKEY, 1986.

UNIDO SUPPORT TO THE IRON AND STEEL INDUSTRY. THREE EXAMPLES OF  
TECHNICAL ASSISTANCE. SECTORAL WORKING PAPER SERIES NO.47.

Vienna, 1986. 17 p.

UNIDO-UNIDO/IS.620

<UNIDO pub> on the <role of UNIDO> in the development of the <iron  
and steel industry> - covers (1) <UNIDO> activities to promote  
establishment of such industry <feasibility study>s; <capital  
costs>; <production costs> sectoral <development planning> (2)  
establishment of <steel> <factory> in <Mongolia PR> (3) <choice of  
technology> for iron and steel production in <Bolivia>

ENGL  
36.10

15456 1986

Murschetz, Helmut

UNIDO

(R) DATA PROCESSING REQUIREMENTS FOR COUNTRY INDUSTRIAL DEVELOPMENT  
REVIEW PROGRAMME DRAFT REPORT.

Vienna, 1986. 28 p. diagrams.

....

<UNIDO pub> on the use of <electronic data processing> to  
rationalize <information processing> in the country review  
programme - covers <computer>s; <computer programmes>;  
<specifications>; <data base>; <data collecting>; <choice of  
technology>; <organizational aspects>; <Diagram>s. <Restricted>.

ENGL  
01.30

15457 1986

Sellami, Moncef

UNIDO

(R) LA CREATION D'ENTREPRISES DE PRODUCTION MULTINATIONALES ENTRE LES  
PAYS EN VOIE DE DEVELOPPEMENT.

Vienna, 1986. 37 p.

....

<UNIDO pub> on the establishment of multinational <industrial

enterprise>s within the context of <TCDC> - covers (1) basic principles of related <industrial policy> (2) setting up required contacts and links between prospective partners; opportunity assessment; <feasibility study>s; agreement between partners; <contract>s; <factory> <management>. Additional references: <economic aspects>, <joint venture>, <investment promotion>, <legal aspects>. <Restricted>.

FREN  
21.30

15458 1986

Holten, J.  
Abida, T.S.  
UNIDO

WORKSHOP ON INDUSTRIAL INVESTMENT PROJECTS APPRAISAL, FEBRUARY 1986  
ISLAMIC DEVELOPMENT BANK/UNIDO WORKSHOP ON INDUSTRIAL PROJECTS  
APPRAISAL AND MONITORING.

SF/INT/85/001

Vienna, 1986. 44 p.

.....

<UNIDO pub>. <Expert report> of an Islamic Development Bank-<UNIDO> <workshop> on <project evaluation> of <capital investment> projects - covers (1) project background (2) organization of workshop and scheduling (3) <job description> (4) appraisal of <market> studies, of techno-<economic aspects> and of <investment policy> decisions (5) monitoring of a <management information system>. Appends <list of participants> and final version of UNIDO <evaluation> <questionnaire>.

ENGL  
14.80

15459 1986

Schnellbacher, K.  
UNIDO

(R) BURUNDI ETUDE SUR LA TRANSFORMATION DE LA CHAINE DE MAIS. RAPPORT  
TECHNIQUE

DP/BDI/81/008

Vienna, 1986. 45 p. tables, diagrams.

.....

<UNIDO pub>. <Expert report> on assistance to <milling industry> in <Burundi>, with special reference to expanding production of <flour> from <wheat> - covers (1) technical and <economic aspects> of adapting a production line hitherto processing <maize> to meet increasing domestic <demand> for wheat flour (2) <domestic market>, <marketing> aspects, <import substitution> (3) conditions and <equipment> at a <factory> at Muramvya. <Recommendations>, <diagrams>, <statistics>, <factory layout>. <Restricted>.

FREN  
31.30

15460 1986

Lunden, Bo G.  
UNIDO

(R) REPUBLICA DOMINICANA. ASISTENCIA EN EL ESTABLECIMIENTO DE UN

LABORATORIO PARA CONTROL DE CALIDAD DE CUERO. INFORME FINAL.  
UC/DOM/84/178  
Vienna, 1986. 39 p. tables.

....

<UNIDO pub>. <Final report> on the establishment of a <quality control> <laboratory> for <leather industry> in <Dominican Republic> - covers (1) <cattle> supply; <hides and skins>; <tanning>; <leather>; (2) appropriate <machinery>; production of <shoes> and other <leather goods> (3) the quality control laboratory; <equipment>; <staff>; national and <international> <quality standards>. <Recommendations>. <Statistics>. <Job description>. <Restricted>.

SPAN  
32.40

15461 1986

Sigurdson, Jon

UNIDO

JAPAN. INTEGRATION OF INDUSTRIAL AND TECHNOLOGY POLICIES: A PRELIMINARY VIEW.

Vienna, 1986. 48 p. tables.

UNIDO-UNIDO/IS.633

<UNIDO pub>. <Expert report> on integration of <industrial policy>s and <technology policy>s in <Japan> - covers (1) the different stages of postwar <economic development> (2) instruments of technology policy: <legal aspects>; <research and development> intensive industries; high <processing> industries; <information processing>. <computer programmes> (3) <government policy>s; <industrial concentration> (4) <private enterprise> cooperation with government agencies (5) <manpower needs>, the <world market>; <diversification>. Conclusions.

ENGL  
14.60

15462 1985

UNIDO

NIGERIA. INDUSTRIAL DEVELOPMENT REVIEW SERIES.

Vienna, 1985. 80 p. tables, graphs, diagrams.

UNIDO-UNIDO/IS.557

<UNIDO pub> on <industrial development> of <Nigeria> - covers (1) <economic conditions> and structure (2) structure and performance of the <manufacturing> sector: <industrial growth> and <structural change>; <trade>; <capital investment> and ownership patterns; <geographic distribution> of manufacturing activity (3) <industrial policy>s and objectives; recent changes; <institutional framework>; prospects for <engineering> and <textile industry>s; future prospects and <technical assistance>. Appends laws and <regulations> relevant to industrial development. <Bibliography>. <diagram>s. <statistics>

ENGL  
14.60

15463 1986

Aviam, M.

Huriet, B.  
Salvetti, C.

UNIDO

CENTRE INTERLABORATOIRES D'ETUDES ET DE REALISATION

(R) BURKINA FASO. MISE EN APPLICATION DU REGIME DE L'EAU POUR LE  
CONTROLL DE LA POLLUTION. RAPPORT FINAL.

RP/BKF/84/001

Vienna, 1986. 133 p. tables, diagrams.

UNIDO-UNIDO/IO/R.240

<UNIDO pub>. <Final report> on the implementation of <water management> in <Burkina Faso> - covers (1) the present situation; <water> resources; needs for <agriculture>, <urban area>s and <industrial enterprise>s; <water pollution> and other problems; the <institutional framework> for planning and application of water management; <administrative aspects>; <training> (2) proposals regarding <pollution control>, <industrial wastes>, <effluent treatment>, <organizational aspects>, <financial aspects>, <legislation>, <Statistics>, <diagram>s, <bibliography>. <Restricted>.

FREN

11.20

15464

1985

Werner, Fritz

UNIDO

(R) SOMALIA. ESTABLISHMENT OF A PUMP REPAIR SECTION WITHIN THE  
EXISTING MECHANICAL WORKSHOP AND FOUNDRY IN MOGAOISCIO. FINAL REPORT.

US/SOM/80/083

Vienna, 1986. 1 vol. (various pagings), tables, illus.

....

<UNIDO pub>. <Final report> on setting up a <pumps> <repair shop> in <Somalia> - covers (1) project background (2) the existing <foundry> and mechanical <workshop> at Mogadiscio; <utilities>, <equipment>, <staff>, <skills> (3) pump repair <training> activities; <testing> (4) planning for project implementation; <organizational aspects>, <financial aspects>, <supply> of new equipment (5) main problem areas. <Factory layout>, equipment lists, illustrations, <training programmes>. <Restricted>

ENGL

37.20

15465

1986

Visvesvaraya, H.C.

UNIDO

(R) TECHNOLOGY PROFILE ON MINI CEMENT PLANTS.

Vienna, 1986. 88 p. tables, graphs, diagrams.

UNIDO-IPCT/R.1

<UNIDO pub> describing technology for mini <cement industry> - covers (1) <definition> of such cement plants; their advantages; comparison of various types (2) experience in <India>, <China> and other countries (3) <economic aspects>, investigation of <limestone> deposits and other <raw material>s (4) <quality control> (5) operation of a CRI vertical shaft <kiln> (6) <pollution control>, <choice of technology>; <technology transfer> mechanisms. <Statistics>, <diagram>s, <flow chart>s, <maps> <Restricted>.

ENGL  
33 20

15466  
Kopacek P.  
UNIDO

1986

INDUSTRIAL ROBOTS IN SMALL- AND MEDIUM-SCALE FACTORIES.  
Vienna, 1986. 53 p. tables, diagrams, illus.

<UNIDO pub> <Expert report> on industrial <robots> in <small scale industry> and <medium scale industry> with special reference to <developing countries> - covers (1) the different types of available robots (2) main areas of robot application: <welding>, <machining>, spray painting, <assembling>, material <handling> (3) the industrial robot <market> (4) the use of robots in selected countries <Japan>, <USA>, <Sweden>, <Germany FR>, <UK> and <France> (5) robots in developing countries: <appropriate technology>, <economic conditions>, <social aspects>, <Bibliography>, <diagram>s, <statistics>. Appends relevant publications, list of <research centre>s, list of manufacturers. Additional references <human resources>, <automation>, <labour>, <capital costs>.

ENGL  
37 20

15467  
Spence, Robin  
UNIDO

1987

TECHNOLOGY PROFILE ON MINI LIME PLANTS.  
Vienna, 1987. 1. 72 p. tables, diagrams, illus.  
UNIDO-IPCT 35

<UNIDO pub> regarding technology for small <lime> plants - covers (1) the lime and <limestone> industry, <raw material>s and their implications for <choice of technology> (2) general review of a lime calcination plant in the 1 to 100 tonne per day capacity range (3) alternative <kiln> systems for this range of production (4) <economic implications> and other factors influencing the choice between conventional large scale plant and mini-lime plant <Diagram>s, <bibliography>, illustrations.

ENGL  
33 20

15468  
Haikonen, Pentti O A  
UNIDO

1986

(R) EGYPT. TECHNICAL ASSISTANCE TO EL NASR COMPANY FOR TELEVISION AND ELECTRONICS. FINAL REPORT  
DP/EGY/81/028  
Vienna, 1986. 20 p. tables.

<UNIDO pub> <Expert report> on <technical assistance> in production of <television> <components> in <Egypt> - covers: the production of <television sets> and components in Egypt; <trend>s in manufacture; <local level> production of components.

<Recommendations>, <statistics>. Additional references:  
<electronics>, <electronic equipment>, <capital investment>,  
<Restricted>.

ENGL  
38.20

15469 1985  
UNIDO  
MICROELECTRONICS MONITOR. ISSUE NO 16  
Vienna, 1985. 52 p.

||||

<UNIDO pub> giving information on developments in the field of  
<microelectronics> - covers (1) <meetings>, <training programmes>,  
activities of institutes (2) <advanced technology> (3) expert  
systems; <market> <trends>, company news (4) applications in  
<computer-aided manufacture> and <computer-aided design>, <robots>,  
<factory> <automation> (5) <computer programmes>, <computer  
<education>; country reports, <legislation> and <standardization>;  
<social aspects>, <economic implications>, <government policies>,  
recent <documentation>. Additional references <silicon>,  
<integrated circuits>, <transistors>, <telecommunications>.

ENGL  
38.10

15470 1985  
Narong, Rattana  
UNIDO  
WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS). VIENNA 1985  
THAILAND DISCUSSION OF SMALL AND MEDIUM INDUSTRY TECHNOLOGY AND  
ENERGY

Vienna, 1986. 12 p  
UNIDO-ID/WG 461/6

<UNIDO pub> on <industrial services> to <small scale industry> in  
<Thailand> (reference <TSDS>) - covers (1) the situation of small  
industry, problems of <entrepreneurship> and <management  
development> (2) <consulting> services provided by government and  
state enterprises, <industrial extension>, the <institutional  
framework> (3) institutions which could serve as a technology  
resource in the fields of <metalworking industry>, <wood  
processing> and <food industry>. Additional reference <energy,  
saving>.

ENGL  
14.70

15471 1985  
UNIDO  
WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS). VIENNA 1985  
CARIBBEAN DEVELOPMENT BANK TECHNOLOGY AND ENERGY UNIT ANNUAL REPORT  
1984

Vienna, 1986. 111, 56 p. tables  
UNIDO-ID/WG 461/7

<UNIDO pub> describing <industrial services> provided by the  
<Caribbean> <Development Bank> (reference <TSDS>) - (1) describes  
activities and progress of the CDB's <technology> and <energy> unit

(TEU) (2) reviews activities during 1934 in the field of <documentation>, <seminars>, <industrial extension>, <energy saving>, <technology transfer> and <investment promotion> (3) outlines work programme for 1985 (4) gives information on <industrial projects>, <Statistics>. Additional references: <technical assistance>, <financing>

ENGL  
14.70

15472 1985

Payoyo, Ernesto

UNIDO

WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), VIENNA, 1985  
TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS), THE PHILIPPINE  
EXPERIENCE

Vienna, 1986, 13 p

UNIDO-ID/WG 461/5

<UNIDO pub> on experience with <TSDS> in the <Philippines> - covers (1) background, implementation of TSDS projects; TSDS sub-systems providing <technical assistance>, <industrial extension> and <consulting> (2) technical <training programmes> (3) factors contributing to programme effectiveness; <financial aspects> Additional references: <institutional framework>, <small scale industry>

ENGL  
14.70

15473 1986

Clarke, Margaret A

UNIDO

CHINA APPLICATION OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND  
SAMPLING PROGRAMMES IN CANE SUGAR INDUSTRY TECHNICAL REPORT

DP/CPR/82/005

Vienna 1986 31 p tables

UNIDO-DP/ID/SER A/689

<UNIDO pub> <Expert report> on assistance to a <research centre> serving <sugar industry> in <China> - covers (1) work with scientists at the <cane sugar> institute in the use of high performance liquid chromatography (HPLC); research projects using this technology, sampling programmes to be applied at sugar factories (2) a seminar on clarification technology to be used in production of refined quality white sugar. <Recommendations>, tables Additional references: <chemical analysis>, <agriculture>, <pilot plant>

ENGL  
31.30

15474 1986

Hirschler, Robert

UNIDO

CHINA STRENGTHENING OF THE CHINA DYEING AND FINISHING DEVELOPMENT  
CENTRE PREPARATORY ASSISTANCE MISSION TECHNICAL REPORT.

DP/CPR/85/056

Vienna, 1986 23 p



UNIDO-DP/ID/SER.A/690

<UNIDO pub>. <Expert report> on assistance in setting up a <dyeing> and <textile finishing> <development centre> in <China> - covers (1) preparation of a <project document> (2) relevant discussions held with officials and project counterparts (3) visits to <factory>s and institutions. <Recommendations>. Additional references: <bleaching>, <printing>, <research centre>s.

ENGL  
32.30

15475 1986

Hesp, Paul  
UNIDO

PROMOTING SMALL-SCALE INDUSTRY IN SOUTHEAST ASIA. SELECTED SUPPORT SCHEMES IN THE PHILIPPINES, THAILAND AND MALAYSIA.

Vienna, 1986. 11, 24 p. tables

UNIDO-UNIDO/IS.618

<UNIDO pub> on promoting <small scale industry> in the <Philippines>, <Thailand> and <Malaysia> - covers (1) <entrepreneurship> and <management development> programmes of the Philippine <productivity> and <development centre> (2) a <financing> and <loan> scheme for small and <medium scale industry> in Thailand, an <export> <modernization> programme (3) concept and activities of a <technology> <demonstration centre> in Malaysia. Additional references: <industrial promotion>, <technology transfer>, <industrial extension>.

ENGL  
21.40

15476 1986

Wood, Clyde T.  
UNIDO

(R) PAKISTAN CONSULTANCY DEVELOPMENT IN INVESTMENT ADVISORY CENTRE. PHASE II. REPORT OF THE FINANCIAL CONSULTANT

DP/PAK/84/021

Vienna, 1986. 137 p. tables, diagrams.

<UNIDO pub>. <Expert report> on assistance to an industrial <consulting> centre in <Pakistan>, with special reference to <financial control> and <accounting> techniques - covers (1) field visits, preparation of <training> documents, diagnostic work, preparation of case studies, <seminar> presentations (2) viability of project objectives: client base, consultancy service, resources, UNIDO consultancy assistance <Statistics>, <recommendations>, <questionnaire>. Additional references: <industrial services>, <industrial enterprise>s <Restricted>.

ENGL  
22.10

15477 1986

UNIDO

SEMINAIRE NATIONAL SUR LA DEFINITION D'UNE STRATEGIE DE DEVELOPPEMENT INDUSTRIEL AU NIGER, NIAMEY, NIGER, 1985

(R) RAPPORT FINAL. (SEMINAIRE SUR LE DEVELOPPEMENT INDUSTRIEL AU

NIGER)

Vienna, 1986. 78 p.  
UNIDO-UNIDO/IO/R.228

<UNIDO pub> <Report> of a <seminar> regarding a strategy for <industrial development> in <Niger> - covers (1) background and organization of the seminar (2) the <industrial sector>, <mining>, <energy> (3) industrial <investment> opportunities, relevant <legislation>, (4) <industrial promotion>, especially concerning <small scale industry> (5) <financing>, sources of <capital>, constraints (6) required <vocational training>, <training centre>s (7) <technology transfer>, <research centre>s <Recommendations>, <list of participants> <Restricted>

FREN  
14 60

15478 1986

Mahlberg, Paul G  
UNIDO

(R) INDIA. UPGRADING OF TECHNOLOGY FOR THE EXTRACTION OF ALKALOIDS FROM OPIUM. TECHNICAL REPORT

UC/IND/84/058

Vienna, 1986. 24 p tables  
UNIDO-UNIDO/IO/R.229

<UNIDO pub> <Expert report> on assistance in extraction of alkaloids from opium in <India> (reference <medicinal plants>, <pharmaceuticals>) - covers (1) initiation of a programme for modernizing technology for processing opium so as to produce purified alkaloids and derivatives for <export> (2) organization of a study tour of <pharmaceutical industry>s in <UK>, <Germany FR> and <Switzerland> (3) assessment of processing <laboratory>s in India; selection of laboratory for sample analysis (4) <market> analysis (5) initiating discussions with <WHO> <Recommendations>, <statistics> Additional references <chemical analysis>, poppy, <Restricted>

ENGL  
35 60

15479 1986

Ziötarski, Stanislaw  
UNIDO

(R) REPUBLIC OF KOREA. NUMERICAL CONTROL POSTPROCESSORS. FINAL REPORT. DP/ROK/82/031

Vienna, 1986. 7 p.

<UNIDO pub> <Final report> on assistance to an <automatic control> centre in <Korea R>, with special reference to numerical control postprocessors - covers <training> given to <engineers> in (1) design of postprocessors, i.e. elements required in introducing <computer-aided design> and <computer-aided manufacture> technology to the shop floor level (2) cutter location data structure in advanced part programming systems (3) geometrical <data base> structure in the extended APT-like systems and other CAD-CAM systems. Describes <seminar>s and offers findings and conclusions. <Restricted>.

ENGL  
25 40

15480

1986

Gebbay, Marcel

Nowak, C.

Orfaly, Talaat

Savastano, A.

Willot, P.

UNIDO

(R) AFRIQUE. PROGRAMME DE FORMATION SUR LA PREPARATION ET L'EVALUATION  
DE PROJETS INDUSTRIELS. RAPPORT FINAL.

RP/RAF/85/620

Vienna, 1986. 21 p. tables.

UNIDO-UNIDO/10/R.230

<UNIDO pub>. <Final report> of a <seminar> on <industrial project>  
preparation and <project evaluation> for countries in <Africa> -  
covers background and organization of <training programmes>;  
specific objectives; methodologies developed by <UNIDO>; programme  
contents and evaluation. <Recommendations>, <agenda>, <list of  
participants>. <Restricted>

FREN

14.80

15481

1986

Francis, C.R.

UNIDO

(R) DOMINICA. WOODEN BRIDGES. TERMINAL REPORT.

UC/DMI/83/095

Vienna, 1986. 11, 44 p. tables, diagrams, illus.

UNIDO-UNIDO/10/R.227

<UNIDO pub>. <Final report> on assistance to a <wood>an bridges  
construction programme in <Dominica> - covers (1) descriptions and  
proposals for solving problems encountered (2) project personnel,  
abutments, <timber>, <steel> supply and fabrication, <workshop>  
<tools> and <equipment>, panel fabrication, wood <drilling  
equipment>, bridge launching, deck construction, design changes,  
<costs> <Diagrams>, tables, illustrations. Additional references:  
<construction industry>, <roads>. <Restricted>.

ENGL

39.20

15482

1986

Melzner, Edgar

UNIDO

(R) SENEGAL. RAPPORT D'ACTIVITES DE L'ATELIER CENTRAL DE MECANIQUE  
GENERAL. ZIGUINCHOR.

TF/SEN/83/001

Vienna, 1986. 19 p. tables.

....

<UNIDO pub>. <Expert report> on assistance to a <metalworking  
industry> in <Senegal> - covers (1) present situation of the  
<workshop>; activities, production, <equipment>, <training> (2)  
prospects; <market> potential for various products; <production  
capacity> and potential sales (3) constraints on development.  
<Statistics>. <Restricted>.

FREN  
37 10

15483

1986

Livingstone, Ian

UNIDO

INTERNATIONAL TRANSPORT COSTS AND INDUSTRIAL DEVELOPMENT IN THE LEAST DEVELOPED COUNTRIES

Vienna, 1986 67 p. tables, graphs

UNIDO-UNIDO/IS 616

<UNIDO pub> <Expert report> on <international> <transport economics> and <industrial development> in the <least developed countries> - covers (1) <economic conditions> and <economic structure>; the specific problems of <land locked countries> (2) direct valuations of <transport> costs from selected <Africa> n countries (3) implications: impact of transport <costs> on <trade>; <domestic production> and <domestic consumption> (4) specific implications for industrial <development policy>. Conclusions <Bibliography> <Statistics>

ENGL

39 20

15484

1986

UNIDO

CUBA INDUSTRIAL DEVELOPMENT REVIEW SERIES

Vienna, 1986 52 p. tables, graphs, diagrams

UNIDO-UNIDO/IS 615

<UNIDO pub> on the development of the <industrial sector> in <Cuba> - covers (1) <economic conditions> and recent <trends>; the manufacturing sector (2) <industrial growth> and <structural change> (3) <labour productivity>; <employment policy> (4) <exports> and <imports> of manufactures (5) ownership and <public investment>s (6) <geographic distribution> of <industrial enterprises> (7) <industrial development> policies and <industrial planning> (8) <cooperation> programmes in the fields of <sugar> production, <agri-product processing> of <citrus fruits>; <cobalt> and <nickel> production (9) <human resources> and <natural resources> <Diagrams>; <statistics> Additional references <fishery>; <forestry>; <mineral resources>

ENGL

14 60

15485

1986

UNIDO

EXPERT GROUP MEETING ON POLICIES AND STRATEGIES FOR SMALL-SCALE INDUSTRY DEVELOPMENT IN ASIA AND THE PACIFIC REGION, SEOUL, 1985  
POLICIES AND STRATEGIES FOR SMALL-SCALE INDUSTRY DEVELOPMENT IN ASIA AND THE PACIFIC REGION

Vienna, 1986 107 p

UNIDO-UNIDO/IS 617

<UNIDO pub> on <economic policy>s for <small scale industry> in <Asia> and the Pacific region - covers (1) contribution of such industries to <industrialization> and to <technological change> (2) policies and programmes for small scale <industrial development>.

<infrastructure>, <industrial estate>; <training>; <staff>, <regulations> (3) relevant <government policy>s of <Bangladesh>, <Burma>, <China>, <India>, <Indonesia>, <Malaysia>, <Nepal>, <Pakistan>, <Philippines>, <Korea R>, <Singapore>, <Sri Lanka> and <Thailand> (4) <entrepreneurship>; industrial <cooperation>; <financial aspects> Appends <list of documents> and <list of participants>; <Recommendations> <Statistics>.

ENGL  
21 40

15486 1986

Frisch, Kurt C  
Klemperer, Daniel

UNIDO

POLYMER TECHNOLOGIES, INC. DETROIT

(R) YUGOSLAVIA DEVELOPMENT OF POLYETHER SYNTHESIS AND PROCESSING  
TECHNOLOGY FOR POLYURETHANES AND OTHER INDUSTRIAL APPLICATIONS  
FINAL REPORT

DP/YUG 82/005

Vienna 1986 26 p tables

<UNIDO pub> <Final report> on assistance given to <plastics processing> in <Yugoslavia> with special reference to <polyurethane> - covers (1) <industrial application> of <plastics>; development of <environmentally safe technologies> for the production of diversified polyethers (2) <training programmes> regarding (a) polyurethane <adhesives>, <coatings>, <elastomers> and <plastic foam> (b) microcellular <elastomers> (c) <marketing> (3) <joint research and development> activities, <testing> <laboratory>, <consulting> <Recommendations>, <equipment> list, <newsletter> <Restricted>

ENGL  
35 70

15487 1986

UNIDO

ESCWA

WORKSHOP ON THE ESTABLISHMENT OF REGIONAL SILICON FOUNDRY AND DESIGN  
CENTRES FOR THE ARAB COUNTRIES, SIDI BEL ABBES, ALGERIA, 1984  
REPORT OF THE WORKSHOP ON SILICON FOUNDRY AND DESIGN CENTRES

Vienna 1986 37 p

UNIDO-UNIDO IS 625

<UNIDO pub> <Report> of a <workshop> on the development of <microelectronics> in the <Arab countries> with special reference to establishment of a <regional> <silicon> <foundry> and <design centre> - covers existing facilities, the <market>, <information exchange>, <government policy>s, <regional planning>, <international> <trends>, <capital costs>, <choice of technology>, <equipment>, <components>, <technology transfer>, <infrastructure>, <Recommendations>, Appends <agenda>, <list of participants> and <list of documents>

ENGL  
38 10

15488

1986

UNIDO

STRUCTURAL CHANGE AND COMPARATIVE ADVANTAGE IN MANUFACTURING. AN OVERVIEW OF RECENT DEVELOPMENTS IN DEVELOPED AND DEVELOPING COUNTRIES.

Vienna, 1986. 46 p. tables.

UNIDO-UNIDO/IS 626

<UNIDO pub>. <Comparative study> of <structural change> in the <manufacturing> sector of selected <market economy>s and <developing countries> - covers (1) structural change in <employment> and output discussed from a country-specific and an industry-specific angle: <industrial growth>; <input-output analysis>; <development potential> (2) <international> comparative advantage: the problem of adjusting employment and output structures to existing patterns of <competitiveness> as reflected in international <trade> structure (3) changes in <export> performance of <developed countries> and of DCs (4) <comparative costs>, <prices>; <economic analysis>; conclusions. <Statistics> Additional references: <industrial policy>, <labour productivity>.

ENGL

14. 60

15489

1986

Karny, Geoffrey M.

Einaudi, Carol P.

Lipsey, Charles E.

Woodworth, Alesia M.

UNIDO

INFORMAL UNIDO/WHO/UNEP WORKING GROUP ON BIOTECHNOLOGY SAFETY VIENNA, 1986.

AN INTERNATIONAL APPROACH TO BIOTECHNOLOGY SAFETY

Vienna, 1986. 178 p. diagrams.

UNIDO-UNIDO/IS 627

<UNIDO pub>. <Expert report> on <biotechnology> <industrial safety> - covers (1) project background; risk identification and assessment <methodology> (2) <regulations> of <genetic engineering> in <laboratory>s; <research and development> (3) risks and regulations of large-scale operations; relevant <legislation> on <workers' industrial safety in <USA>, <EEC>, <UK> and <Japan> (4) <pollution control>; <environment>al applications, relevant <international> <cooperation>. <Recommendations>. Appends <glossary>. Department of Health Guidelines for research on recombinant DNA molecules Additional references: <ICGEB>, <UNIDO>, <WHO>, <UNEP>

ENGL

35 50

15490

1986

UNIDO

JPO REGIONAL MEETING, LIMA, 1986

JUNIOR PROFESSIONAL OFFICERS (JPO) REGIONAL MEETING (LATIN AMERICA AND THE CARIBBEAN). SUMMARY REPORT AND RECOMMENDATIONS.

Vienna, 1986. 53 p.

UNIDO-UNIDO/PC 134

<UNIDO pub>. <Report> of a <meeting> on JPO activities in <Latin America> and the <Caribbean> - covers (1) JPO presentations on country of assignment (2) <cooperation> at the field level among

JPOs, <regional planning>, <training>, <ECDC>-<TDCD>, <project implementation> (3) the JPO-SIDFAS relationship, <Recommendations>, Appends 1 a, <agenda>, <list of participants> and <list of documents>.

ENGL  
70 10

15491 1985

Curvalle, Bernard

UNIDO

MADAGASCAR CREATION D'UN CENTRE D'INFORMATION ET DE DOCUMENTATION INDUSTRIELLE RAPPORT TECHNIQUE

DP/MAG/82/010

Vienna, 1985 78 p tables, diagrams

UNIDO-DP/ID/SER A/691

<UNIDO pub> <Mission report> on assistance in setting up an industrial <information centre> in <Madagascar> - covers (1) the present situation and needs with respect to <industrial information> (2) describes the ideal information and <documentation> centre, with reference to manual <information processing> and <electronic data processing> (3) practical proposals within the context of local conditions, <organizational aspects>, <financial aspects>, <data collecting>, etc <Diagram>s, <recommendations>, <list of documents>.

FREN  
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15492 1986

UNIDO

INSTITUT D'ECONOMIE QUANTITATIVE, TUNIS

(R) LES PRIX DE REFERENCE EN TUNISIE.

Vienna, 1986 65 p tables.

<UNIDO pub> <Expert report> on the <economic implications> of <labour costs> and <pricing> in <Tunisia> - covers: <employment policy>, <economic aspects> and <social aspects> of <urbanization>; <rural industry>, the <informal sector>; <production costs>, <productivity>, <cost-benefit analysis>, <cost of capital> and <profitability>, <investment returns>; <labour market>, <rural workers> <Statistics> Additional references: <econometrics>, <costing>, <value added>, <Restricted>.

FREN  
29 50

15493 1986

Bedrna, Ivo

UNIDO

ANGOLA ASSISTANCE TO THE PETROLEUM TRAINING CENTRE (PTC), SUMBE, FINAL REPORT

DP/RAF/83/022/11

Vienna, 1986 40 p diagrams

<UNIDO pub> <Expert report> on assistance to a <petroleum> <training centre> in <Angola> - covers: <organizational aspects>

and <administrative aspects>; <maintenance and repair>; <training>  
organization; <equipment>. Project findings and <recommendations>.  
Appends Petroleum Training Centre <regulations>. <Restricted>.

ENGL PORT  
12.40

15494 1986

Samohin, Youri  
UNIDO

(R) ANGOLA. ASSISTANCE TO THE PETROLEUM TRAINING CENTRE (PTC) SUMBE.  
PRELIMINARY DRAFT REPORT.

DP/RAF/83/002

Vienna, 1986. 40 p. tables.

<UNIDO pub>. <Expert report> on assistance to a <petroleum>  
<training centre> in <Angola> - covers: project background;  
<training programmes>; training <equipment>; <computer programmes>,  
courses on languages and technical subjects; <staff>. Project  
findings and conclusions. <Job description>. Additional references:  
<UNIDO>, <UNDP>. <Restricted>.

ENGL  
12.40

15495 1986

Vera Rojas, Fernando  
UNIDO

PROYECTO DE INVESTIGACION DESARROLLO Y APLICACION DE UN SISTEMA  
REGIONAL DE MANTENIMIENTO PARA LA INDUSTRIA AZUCARERA. INFORME FINAL.  
RLA/83/005

Vienna, 1986. 66 p. tables.

<UNIDO pub>. <Final report> on development and application of a  
<regional level> system of <maintenance and repair> for <sugar  
industry> in selected <Latin America>n countries - covers (1)  
project objectives; <technical personnel> capacity; technical  
<cooperation>; the role of <private enterprise>; an integral system  
of maintenance and repair (2) <equipment>; <experts>; <financing>;  
<counterpart personnel> (3) <project implementation>; relevant  
<technical information>; recuperation of equipment (4) <seminar> on  
<corrosion> in the sugar industry. <Recommendations>.  
<Bibliography>, <statistics>.

SPAN  
31.30

15496 1986

UNIDO

CHEMSERV CONSULTING GMBH

BANGLADESH. PROVISION OF SERVICES RELATING TO THE PRE-FEASIBILITY  
STUDY FOR THE PRODUCTION OF CEMENT AND SULPHURIC ACID FROM PHOSPHOR  
GYPSUM FOR TRIPLE - SUPERPHOSPHATE PLANT. PHASE I. FINAL REPORT.

DP/BGD/78/002

Vienna, 1986. 21 p. tables, diagrams.

<UNIDO pub> on the feasibility of production of <cement> and



< sulphuric acid > from < phosphorus > < gypsum > in < Bangladesh > - covers (1) project background and past development (2) < laboratory > and field investigation (3) content and < chemical analysis > (4) < evaluation > of additives. Appends list of < raw material > s analysed and offer for < feasibility study > and work plan < Statistics >, < flow chart >. Additional references: < sulphur >, < lime >, < clay >, < sand >, < coke >, < phosphate >, < phosphoric acid >.

ENGL  
33 20

15497 1986

Dobos, Gyorgy

UNIDO

(R) YUGOSLAVIA. ALUMINIUM INDUSTRY. REPORT TO UNIDO ON THE CONSULTANCY WDRK CARRIED OUT 8-13 DECEMBER 1986.

DP/YUG/75/022

Vienna, 1986 10 p.

< UNIDO pub > < Expert report > on assistance to < aluminium industry > in < Yugoslavia > - (1) reviews results and outputs of a project to create a < research centre > capable of supporting the national aluminium industry with special reference to < choice of technology >, process improvement, < product development >, and < training programmes > (2) covers needs for improvement of overall applied research and discusses current < research and development > programmes. < Recommendations >. < Restricted >.

ENGL  
36 10

15498 1985

Akrasane, Narongchai

Viseskul, Chintala

UNIDO

(R) THAILAND TWO-STEP LOAN: A FINANCIAL SCHEME FOR SMALL AND MEDIUM INDUSTRY

Vienna, 1985 11 p.

< UNIDO pub > < Expert report > on two-step < loan > s used in financing < small scale industry > in < Thailand > - covers (1) < economic implications > of the SMI sector; needs, financial problems (2) SMI < financing > operations of the Industrial Finance Corporation, special loan unit for small projects; < technical assistance >; < industrial extension > (3) < modernization > programme for < export promotion >; < organizational aspects >; < cooperation > < Restricted >

ENGL  
29 30

15499 1985

Viriyachati, Piyavadee

UNIDO

(R) A FRAMEWORK FOR TECHNICAL ASSISTANCE IN THAILAND'S INDUSTRY.

Vienna, 1985 25 p tables.

< UNIDO pub >. < Expert report > on < technical assistance > programming

for industry in <Thailand> - covers (1) the pattern of <industrial development>; the <manufacturing> sector (2) <development potential> and constraints in important subsectors: <engineering>, <metals>, <metal products>, <machinery>, <agri-product processing>, <sugar>, <food industry>, <leather>, <chemicals>, <petrochemicals>, <wood processing>, <pulp and paper industry>, <textile industry>, etc. <Statistics>. <Restricted>.

ENGL  
15.30

15500 1986  
UNIDO

HIGH-LEVEL INTER-GOVERNMENTAL MEETING ON CO-OPERATION AMONG DEVELOPING COUNTRIES IN THE FIELD OF AGRO-INDUSTRY DEVELOPMENT, BRASILIA, 1985  
REPORT (MEETING ON COOPERATION AMONG DEVELOPING COUNTRIES IN AGRO-INDUSTRIAL DEVELOPMENT).

Vianna, 1986. 76 p.

UNIDO-UNIDO/PC.136

<UNIDO pub>. <Report> of a <meeting> on <cooperation> among <developing countries> in the field of <agro-industry> - covers bilateral discussions on: agro-industrial <economic policy>s; technical cooperation in <research and development> of <food> <processing>, <packaging> industry and of bio <energy>, (<Brazil> and <China>); <oils and fats>, <fruit>s and <vegetables> (<Brazil> and <Mozambique>); <refrigeration> facilities, <leather> and <leather goods>; <wood technology> (<Brazil> and <Paraguay>) etc. <list of participants>. Additional references: <knowhow>, <feasibility study>, <technical assistance>

ENGL  
31.30

15501 1986  
UNIDO

REUNION REGIONAL PARA AMERICA LATINA Y EL CARIBE EN PREPARACION DE LA PRIMERA CONSULTA SOBRE LA INDUSTRIA DE LA PESCA, LIMA, 1986  
ELEMENTOS PARA EL ANALISIS DE LAS LIMITACIONES AL DESARROLLO DE LA INDUSTRIA DE LA PESCA EN AMERICA LATINA Y EL CARIBE.

- FACTORS IN THE ANALYSIS OF CONSTRAINTS ON THE DEVELOPMENT OF THE FISHERIES INDUSTRY IN LATIN AMERICA AND THE CARIBBEAN.

Vianna, 1986. 20 p. table

UNIDO-UNIDO/PC.138

<UNIDO pub> on the <fishery> industry in <Latin America> and the <Caribbean> - covers (1) the role of the industry in <economic development>; the impact of the "exclusive economic zone". <legal aspects> (2) <economic implications>; semi-<industrial production> (3) <fishing vessels>; <port> facilities (4) <appropriate technology>; <machinery> and <equipment> (5) <commercialization>, <market>s. Additional reference: <fishery product processing>.

SPAN ENGL  
30.10

15502 1986  
Van Valkenburg, Wade  
UNIDO

INDIA. PESTICIDE DEVELOPMENT PROGRAMME IN INDIA. TECHNICAL REPORT:  
FINDINGS AND RECOMMENDATIONS.

DP/IND/80/037

Vienna, 1986. 24 p.

UNIDO-DP/ID/SER.A/693

<UNIDO pub>. <Expert report> on <pesticides> development and <pest control> in <India> - covers: <appropriate technology> of pesticide formulation; visits to <factory>s and <research centre>s; the Pesticide Development Programme India (PDPi); <contract>s; <legal aspects>; <training programmes>. Findings and <recommendations>.

ENGL

35.40

15503

1986

Kotecki, M.

UNIDO

(R) TURKEY. ASSISTANCE TO PENDIK SHIPYARD. TERMINAL REPORT.

DP/TUR/81/007

Vienna, 1986. 50 p. graphs, diagrams.

UNIDO-DP/ID/SER.B/518

<UNIDO pub>. <Final report> on <technical assistance> to <shipbuilding> in <Turkey> - covers: (1) project background (2) the development of the Pendik shipyard: <hoisting machinery>, <conveying machinery>; slipway; <steel> stockyard (3) <production capacity>; <workers> <training programmes>; <skilled workers> (4) the <market>; <subcontracting> <labour> (5) <organizational aspects> and <structural change>. Appends i.a. work programme and <factory layout>. <Recommendations>. <Restricted>.

ENGL

37.40

15504

1986

Do Porto, Oscar Ramon

UNIDO

REUNION REGIONAL PARA AMERICA LATINA Y EL CARIBE EN PREPARACION DE LA PRIMERA CONSULTA SOBRE LA INDUSTRIA PESQUERA, LIMA, 1986

INFORME REGIONAL SOBRE LA INDUSTRIA PESQUERA EN LATINOAMERICA.

- RAPPORT REGIONAL SUR L'INDUSTRIE DE LA PECHE EN AMERIQUE LATINE.

Vienna, 1986. 155 p. tables, graphs, diagrams.

UNIDO-UNIDO/PC.135

<UNIDO pub>. <Expert report> on <fishery> industry and <fishery product processing> in <Latin America>, with special reference to <Peru>, <Dominican Republic>, <Argentina>, <Chile> and <Colombia> - covers (1) <economic aspects> and <social aspects> of the industry (2) <institutional framework>, <industrial institutions>, <government policy>s (3) <geographic distribution> and <market>s; <export>s (4) the use of <natural resources> (5) <commercialization> (6) possible <international> and <regional cooperation> (7) <appropriate technology>; <equipment> (8) <quality standards> and <quality control>. <Diagram>s, <statistics>.

Additional reference: <fishing vessels>.

SPAN FREN

30.10

15505

1985

Puskas, Ferenc

Batri, Susan

UNIDO

NOVOTRADE

(R) CHINA. TECHNO-ECONOMIC STUDY FOR THE UTILIZATION OF BROWN MUD OF SHANDONG ALUMINIUM WORKS AS BUILDING MATERIALS. FINAL REPORT

SI/CPR/84/803

Vienna, 1985. 1 volume (various pagings). tables, graphs, diagrams

<UNIDO pub> <Final report> on assistance in setting up a <building materials> manufacture based on brown mud (waste utilization) from an <alumina> factory in <China> - covers (1) <laboratory> <testing> of <fly ash>, brown mud, sandy <clays> and <sand> (2) technical aspects of producing single fired floor and wall <tiles> wall <bricks> by cold technique, walling blocks (3) <specifications> of a brick <factory>, list of <machinery> (4) testing and pilot scale demonstration report (5) <economic aspects>, <production costs>, cost and <market> analysis (6) offer for a <ceramics industry> for production of tiles. <Statistics>. <Restricted>

ENGL

33 20

15506

1986

UNIDO

OUTOKUMPU OY, FINLAND

(R) INDIA. INVESTIGATIONS TO PRODUCE ELEMENTAL SULPHUR FROM SALADIPURA PYRITE DEPOSIT. STUDY FOR A DEMONSTRATION PLANT

Vienna, 1986. 1 vol. (various pagings). tables, diagrams

<UNIDO pub> <Final report> on the feasibility of producing elemental <sulphur> from pyrite deposits at Saladipura, <India> - (1) presents technical and operational data regarding a <pilot plant> for <ore processing> and <smelting> (2) covers (a) <economic aspects> (b) process <equipment> for pyrite smelting, sulphur separation and <handling> (c) <factory layout>, <production capacity>. <Flow charts>. <Restricted>

ENGL

35 30

15507

1986

Allahwerdt, Muncir

UNIDO

CONSULTATION ON THE AGRICULTURAL MACHINERY INDUSTRY. 3RD, BELGRADE, 1986

TECHNOLOGICAL DEPENDENCY AND CHOICE OF PUMPING TECHNOLOGIES FOR IRRIGATION SYSTEMS

Vienna, 1986. 78 p. tables, graphs, diagrams

UNIDO-ID/WG 462/1

<UNIDO pub> on <choice of technology> in manufacturing <pumps> for <irrigation> systems - covers (1) irrigation, drainage and rural <water supply> (2) pump characteristics, <product design>, <appropriate technology>, <energy source>, pumping efficiency, <maintenance and repair>, the possible use of <solar energy> and of <>wind energy> (3) the degree of technological dependency of <developing countries>, constraints and remedies. <social aspects>;

<economic conditions>; the role of <trade> and <foreign exchange>  
problems. <Recommendations>. <Diagram>s, <statistics>

ENGL  
37 20

15508 1986

Moretti, Roberto H.

UNIDO

(R) SEYCHELLES. PREPARATORY ASSISTANCE TO THE DEVELOPMENT PROGRAMME TO  
PRODUCE LIQUOR FROM TROPICAL FRUITS. TECHNICAL REPORT

UC/SEY/84/158

Vienna, 1986. 26 p. tables, diagrams.

ENGL

<UNIDO pub>. <Expert report> on the production of liquor from  
<tropical fruit> in the <Seychelles> (reference <alcoholic  
beverages>) - covers (1) the role of <tourism>, <alcohol>  
<import>s; <sugar cane> production (2) the National Agro Industries  
Ltd.; <production capacity> of <fruit> and <vegetables> (3) the  
production of tropical fruit liquors. <equipment>; <labelling>,  
<bottles>; <sugar>, <food additives> (4) <technical assistance>  
programme <Diagram>s, <statistics> <Restricted>

ENGL  
31 60

15509 1986

Brantom, Paul G.

UNIDO

REPUBLIC OF KOREA TOXICOLOGY RESEARCH LABORATORY.

DP/ROK/82/028

Vienna, 1986. 10 p.

UNIDO-DP/ID/SER A/692

<UNIDO pub>. <Expert report> on a toxicology <research centre> in  
<Korea R> - briefly describes activities (informal discussions,  
<seminar>s and <documentation>) in the fields of <toxicity>  
<testing>, <training> techniques for autopsy of rats and of  
providing guidance on implementation of good <laboratory> practice  
(GLP). <Recommendations>.

ENGL  
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15510 1986

Llera, Hector

UNIDO

(R) PREPARATORY ASSISTANCE MISSION TO FINALIZE THE PROJECT DOCUMENT  
FOR INTERCOUNTRY CO-OPERATION IN PESTICIDE DEVELOPMENT IN LATIN  
AMERICA. TERMINAL REPORT.

UC/RLA/83/280

Vienna, 1986. 27 p. tables.

UNIDO-UNIDO/10/R. 232

<UNIDO pub>. <Mission report> on <regional cooperation> in  
production, <marketing> and control of <pesticides> in <Latin  
America> - covers: the establishment of a relevant <institutional  
framework>, using <regional> <human resources> and <natural  
resources>; technical <cooperation> between <developing countries>.

<training programmes>, constraints, Findings and <recommendations>. Appends list of institutions and countries visited. Additional references <industrial policy>, <industrial safety>, <quality control>, <industrial extension>, <equipment>, <effluent treatment> <Restricted>.

ENGL  
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15511 1986

Diaz Martin, Demetrio

UNIDO

(R) ESTRATEGIA INTERNACIONAL PARA IMPULSAR LA INDUSTRIA DE LA MAQUINARIA AGRICOLA E INTENSIFICAR LA MECANIZACION DE LA AGRICULTURA EN LOS PAISES EN DESARROLLO.

Vienna, 1986 72 p

<UNIDO pub> <Expert report> on promoting <agricultural machinery> industry and <agricultural mechanization> in <developing countries> - covers (1) project background: <agriculture> and <rural area> conditions, the link between industry and agriculture; <government policy>s (2) <organizational aspects>; situational analysis in selected countries (<Austria>, <Italy>, <Ethiopia>, <Nigeria>, <Mali>, <Mexico>, <Ecuador>, <Cuba>) (3) <evaluation>; common characteristics of DCs: <malnutrition>; <import> or <domestic production> of inappropriate <machinery>; problems of utilization of <natural resources> and <energy source>s; <regional development> <planning>; unequal rural ownership. Conclusions and <recommendations> <Restricted>

SPAN  
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15512 1986

Soltysinski, Stanislaw

UNIDO

UNIDO/REMLAC PREPARATORY REPORT ON THE ELABORATION OF A PROGRAMME OF ACTION AIMED AT STRENGTHENING THE NEGOTIATING CAPABILITIES IN THE ACQUISITION OF HARDWARE AND SOFTWARE.

Vienna 1986 64 p

<UNIDO pub> <Expert report> on strengthening the negotiating capabilities in the acquisition of <computer>s and <computer programmes> with special reference to <Latin America>n countries - covers (1) the regional network for <microelectronics> in the Latin and <Central America>n countries (REMLAC) (2) relevant <government policy>s, control of acquisition of computers and computer programmes through national registers of <technology>, <regulations> for <commercialization> of <import>ed computer programmes (3) <regional cooperation> (4) <institutional framework> for <cooperation> (5) <training> of trainers, <fellowships> (6) regional <data bank> <Bibliography>

ENGL  
38 10

15513 1986

UNIDO

G.E.M. CONSULTANTS B.V., NETHERLANDS

(R) MALTA ASSISTANCE TO THE KORDIN GRAIN TERMINAL FINAL REPORT  
DP/MAT/83/003

Vienna, 1986. 1 vol. (various pagings), tables, diagrams, illus

....

<UNIDO pub> <Final report> on assistance to a <grain processing> terminal in <Malta> - covers (1) <supply> and installation of <electrical machinery>, <conveying machinery>, <hoisting machinery> and various other <equipment> (2) project organization, specific activities of experts, <Diagram>s, tables, illustrations  
Additional references: <handling>, <loading>, <food storage>, <silos>, <maintenance and repair> <Restricted>

ENGL

31 40

15514

1986

Hering, Norbert

UNIDO

SECURING SPARE PARTS SUPPLIES FOR INDUSTRIES A NEW CONCEPT TO SUPPORT  
PRODUCTIVITY OF INDUSTRIAL PLANT PRIMARILY IN DEVELOPING COUNTRIES

Vienna, 1986. 75 p tables, graph, diagrams

....

<UNIDO pub> on supply of <spare parts> for industry with special reference to <developing countries> - covers (1) <definitions>, technical terms and <classification> of spare parts (2) the spare parts problem: situation in DCs and in <developed countries>, the spare parts fund and agency concept ensuring the optimum availability of spare parts at minimal <costs> (3) <technical assistance> to <nationalized industry> in DCs in the field of <maintenance and repair> and procurement of spare parts the original and the modified IRMA-concept (4) <financial aspects>, <organizational aspects>, <staff> <Diagram>s, <flow chart>s

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15515

1986

UNIDO

PERSONNEL AND TRAINING NEEDS IN IRON AND STEEL SECTORAL STUDIES  
SERIES NO.23

Vienna, 1986. 55 p tables

UNIDO-UNIDO/IS 621

<UNIDO pub> on <methodology> for determining <manpower> and <training> requirements in <iron and steel industry> - covers (1) estimating need for <iron> and <steel> sector personnel, the use of <input-output analysis> to derive direct expenditure (expressed in manhours per unit of products manufactured by the industry) (2) designing sectoral-level <training programmes>, <job description> (3) training programme delivery options, parameters of local training capacities, recruiting potential trainees, instructional personnel, balance between <enterprise> - based and national training; <interindustry relations> Conclusions <Bibliography>, <statistics>

ENGL RUSS SPAN

36 10

15516

1986

UNIDO

WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM (TSDS). VIENNA 1985  
REPORT (WORKSHOP ON TECHNOLOGICAL SERVICES DELIVERY SYSTEM, 1985)  
Vienna, 1986. 38 p. diagrams.

UNIDO-ID/WG.461/8

<UNIDO pub> concerning a <workshop> on <TSDS> with special reference to experience in the <ESCAP> region and the <Caribbean> covers <rural area> <small scale industry> and <medium scale industry> and their possible linking with existing <research and development>; <pilot plant>; <research centres>; <consulting>; <technical assistance>; <training>; <training programmes>; <development banks>; <government policy>; <financial aspects>; <technology transfer> <List of participants>

ENGL

21 40

15517

1985

UNIDO

INSTITUT DE RECHERCHES SUR LE CAOUTCHOUC. ABIDJAN  
DEVELOPMENT OF LIQUID NATURAL RUBBER. FINAL REPORT  
UF/GLO/81/059

Vienna, 1985. 126 p. tables, graphs, diagrams, illus

<UNIDO pub> <Final report> on the development of liquid natural <rubber> - covers (1) project background (2) setting up of a <pilot plant> in <Ivory Coast> (3) production of liquid natural rubber, <laboratory> <experimentation> (4) chemical modifications (5) <industrial application> and development, <commercialization> (6) the potential market for liquid natural rubber, <marketing>; <capital investment>; <capital costs>; <working capital>; <transport>; <energy> (7) <maintenance and repair>; <manpower> <Bibliography>; <statistics>; <diagram>s Additional reference <chemical analysis>.

ENGL

32 50

15518

1986

Kantchev, Petko

UNIDO

(R) ZAIRE OFFICE ZAIROIS DE RADIO-DIFFUSION ET DE TELEVISION  
EVALUATION DES INSTALLATIONS ET DU MATERIEL ELECTRONIQUE DE  
DIFFUSION (RADIO-TELEVISION) RAPPORT TECHNIQUE

DP/ZAI/81/011

Vienna, 1986. 260 p. tables

<UNIDO pub> <Expert report> evaluating installations and <electronic equipment> available for public <broadcasting> in <Zaire> - covers initial value, <amortization> and <costs> of buildings, facilities and various <equipment> at the disposal of the relevant <public enterprise>; <Recommendations>; tables Additional references: <telecommunications>; <equipment costs>; <accounting>; radio, <television> <Restricted>

FREN



15519 1985

Varga, Istvan

UNIDO

WORKSHOPS ON FOOD-PROCESSING, QUALITY CONTROL AND DAIRY EQUIPMENT,  
BUDAPEST, 1985NEW TRENDS AND DISPUTES IN FOOD ENGINEERING AND IN QUALITY CONTROL  
UTILIZED IN SOME FOOD INDUSTRIES WITH SPECIAL EMPHASIS ON THE NEEDS  
OF THE DEVELOPING COUNTRIES EVALUATION REPORT

Vienna 1986 57 p tables, diagrams

<UNIDO pub> <Expert report> on <workshops on new trends in  
<food production> and <quality control> with special emphasis on  
needs of <developing countries> - covers (1) the role of <food  
technology> in assuring quality of <food> products (2) <fruit> and  
<vegetables> processing (3) <equipment>, <advanced technology>  
<packaging> (4) <dairy products industry>, <dairy products>,  
relevant <machinery>, <experience in Hungary> (5) <slaughtering>  
(6) <water>, <waste water treatment> in <food industries>,  
<pollution control>, <list of participants>, programme of lectures  
and discussions, <Diagrams>, <statistics>

ENGL

31 30

15520 1986

Francis, C R

UNIDO

EXPERI GROUP MEETING ON TIMBER CONSTRUCTION, VIENNA, 1985

TIMBER PRESERVATION STANDARDS

Vienna, 1986 18 p tables

UNIDO-ID/WG 447/14

<UNIDO pub> on <timber> preservation <standards> with special  
reference to <developing countries> - covers <specifications> with  
particular reference to <Fig>, <wood preserving>, relevant  
<chemicals>, <regulations>, <Bibliography>, Additional references  
<wood>, <coating process>, <process control>

ENGL

32 10

15521 1985

Ryu, Dewey D Y

UNIDO

(R) KUWAIT DRAFT NATIONAL BIOTECHNOLOGY PROGRAMME DEVELOPMENT

TECHNICAL SITE VISITATION REPORT AND RECOMMENDATION

Vienna, 1985 22 p diagram

<UNIDO pub> <Expert report> on the national <biotechnology>  
programme in <Kuwait> - covers (1) project background, <economic  
conditions> (2) <research and development>, <technical education>,  
<training>, <industry and higher education> (3) biotechnology  
research <development potential>, <organizational aspects> (4)  
research <manpower> development programme <Evaluation> and  
<recommendations> Additional references, <biochemistry>, <genetic

engineering>, <infrastructure>. <Restricted>.  
ENGL  
35.50

15522 1986  
UNIDO  
TECHNICAL AND ECONOMIC ANALYSIS OF THE MANUFACTURE OF ISONIAZID.  
SECTORAL STUDIES SERIES NO.24.  
Vienna, 1986. 95 p. tables, graphs, diagrams.  
UNIDO-UNIDO/IS.622

<UNIDO pub> on industrial <decision making> in producing isoniazid (reference: <pharmaceuticals>) - covers (1) project background and objectives (2) <methodology> of process economics (3) the production of isoniazid bulk substance and key <intermediates> (4) possible <technology transfer> (5) <trend>s and <demand> <forecast>s for isoniazid (6) factors affecting isoniazid <consumption>. <prices> of pharmaceuticals, <competition>, <market>. Appends 1.a. <patents> information, list of manufacturers and suppliers. <Recommendations>. <Diagram>s. <statistics>.

ENGL  
35 60

15523 1986  
UNIDO  
AGRO-FOOD INDUSTRIAL DEVELOPMENT IN LATIN AMERICA. SECTORAL STUDIES  
SERIES NO.25.  
Vienna, 1986. 69 p. tables, graphs, diagrams.  
UNIDO-UNIDO/IS.623

<UNIDO pub> on <agro-industry>al development in <Latin America> - covers (1) the agro-<food industry>s: <definition> and characteristics (2) <trend>s in <food production>; <agri-product processing> (3) <demand> for (processed) <food>, changes in the demand structure; problems of <supply> (4) the situation in Latin America: industrial structure and product characteristics; <size of enterprise>s. <choice of technology>; <production costs>; <government policy>s. <Statistics>. <diagram>s. Additional references: <grain processing>. <cereals>, <milk>, <oils and fats>

ENGL  
31 30

15524 1986  
De Campos Bicudo Neto, Luiz  
Gasparino Filho, Jose  
Marsaioli Junior, Antonio  
UNIDO  
FUNDAÇÃO TROPICAL DE PESQUISAS E TECNOLOGIA "ANDRÉ TOSELLO"  
(R) EL SALVADOR. STUDY FOR PRODUCTION OF ANIMAL FEED FOR PIGS FROM  
ORGANIC WASTE.  
DP/ELS/82/006  
Vienna, 1986 192 p tables, graphs, diagrams.

<UNIDO pub>. <Final report> on the production of animal <feed> for <swine> from organic <urban wastes> in <El Salvador> (reference <waste utilization>) - covers: (1) project background and

objectives (2) <social aspects>, the <market> (3) <raw material>s and <costs> (4) <processing> methods, <quality control> (5) <energy> and <utilities> (6) <transport> (7) <machinery> and <equipment> (8) <economic analysis> <production costs>, <cost output ratio> <cost-benefit analysis> Conclusions and <recommendations> <Diagrams> <statistics> <Restricted>

SPAN  
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15525 1986

Grimault, Jean-Marie

UNIDO

(R) BURUNDI: GESTION ET ADMINISTRATION DES ENTREPRISES RAPPORT TECHNIQUE

DP/BC/81/008

Vienna 1986 26 p

<UNIDO pub> <Expert report> on assistance to <management> of <industrial enterprises> in <Burundi> - covers (1) <technical assistance> to the centre of <industrial promotion>, need for improved <management techniques> and <accounting> systems (2) assistance to <smilling industry> a <stanning> factory, <lime> production and a <wood products> <cooperative> (3) project studies: <administrative aspects> Additional references <shoes>, <training> <legislation> <Restricted>

FREN  
12 40

15526 1986

Ollivier, Hugues P

UNIDO

(R) NIGER: ASSISTANCE A L'OFFICE DE PROMOTION DE L'ENTREPRISE NIGERIEENNE EN MAINTENANCE RAPPORT TECHNIQUE FINAL

DP/NER/78/003

DP/NER/83/004

Vienna 1986 40 p tables

<UNIDO pub> <Final report> on assistance to <small scale industries> in <Niger> with special reference to <maintenance and repair> - covers (1) survey of existing <industrial enterprises>, inventory of materials and <equipment>, identification of maintenance needs (2) proposed maintenance systems, planning for <repair shops> <training> aspects (3) activities of the Office de Promotion de l'Entreprise Nigerienne (OPEN) <Recommendations> project lists text of statutes <Restricted>

FREN  
25 20

15527 1986

Fath, Yano

UNIDO

(R) BURUNDI: ASSISTANCE AU CENTRE DE PROMOTION INDUSTRIELLE PROPOSITION D'UN PROGRAMME D'ACTION VISANT LA PERFORMANCE OPTIMALE DU PROJET DANS SA PHASE TERMINALE

DP/8D1/81/008

Vienna, 1986. 1 vol. (various pagings), tables.

....

<UNIDO pub>. <Mission report> on a programme for development of the Centre of <Industrial Promotion> in <Burundi> - covers (1) programme of action in Burundi, with attention to <expert>s, <investment promotion> projects, <industrial extension>, <training> and <administrative aspects> (2) supporting <role of UNIDO> (3) a proposed programme of work for the period April to December 1986 Tables, identified <industrial project>s. <Restricted>.

FREN

14.70

15528

1986

Graf, Karoly

UNIDO

(R) BURUNDI. ETUDE SUR LA RECHERCHE DES POSSIBILITES DE RECONVERSION D'UNE USINE DE FABRICATION DE MATERIEL AGRICOLE. RAPPORT TECHNIQUE

DP/8D1/81/008

Vienna, 1986. 39 p. diagrams.

....

<UNIDO pub>. <Expert report> on assistance in re-establishment of a <workshop> for production of <hand tools> in <Burundi> - covers (1) existing and required <equipment> (2) <utilities>, overhead and <production costs> (3) <choice of product>s for a <metalworking industry> (mainly <agricultural equipment>), <technicians> and <skilled workers> required (4) possibility of setting up a small <foundry> in support of workshop activities. <Recommendations>, <factory layout>. Additional references: cast <iron>, <spare parts> <Restricted>.

FREN

37 10

15529

1986

UNIDO

BIBLIOGRAPHY OF DOCUMENTS RELATING TO THE TRANSFER OF TECHNOLOGY  
ADDENDUM

Vienna, 1986. 30 p.

UNIDO-UNIDO/IS 228

UNIDO-UNIDO/IS 228/Add.3

<UNIDO pub>. <Bibliography> on documents related to <technology transfer> - lists documents on <technology policy>, <advanced technology> (i.e. <genetic engineering> and <biotechnology>), <technology> <research and development>, <electronic data processing>, <microelectronics>, <integrated circuits>, <information exchange>, <information processing>, <telecommunications industry>, <instrumentation industry>, <food industry>, <fermentation>. Appends author and subject indices

ENGL

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15530

1986

UNIDO

AD-HOC EXPERT GROUP MEETING ON MODALITIES TO ENSURE A PERMANENT FLOW

OF INFORMATION AIMED AT STRENGTHENING ECONOMIC CO-OPERATION AMONG  
DEVELOPING COUNTRIES IN THE FIELD OF BUILDING MATERIALS AND  
CONSTRUCTION INDUSTRIES, ZAGREB, 1986  
REPORT (MEETING ON INFORMATION FLOW AMONG DEVELOPING COUNTRIES IN THE  
FIELD OF CONSTRUCTION INDUSTRIES).

Vienna, 1986. 14 p.

UNIDO-UNIDO/PC.139

<UNIDO pub>. <Report> of a <meeting> on furthering <information  
exchange> among <developing countries> in the fields of <building  
materials> and <construction industry> - covers: background; sub-  
<regional development>; <technology transfer>; <technical  
information>; <Recommendations>; <Agenda>; <list of participants>;  
<list of documents>.

ENGL

33 10

15531

1986

Hanzlíček, Tomas

UNIDO

ETHIOPIA PROJECT PROPOSAL FOR THE REHABILITATION OF THE ETHIO-POTTERY  
PLANT TECHNICAL REPORT.

SI/ETH/85/801

Vienna, 1986. 48 p. tables, diagrams.

UNIDO-DP/ID/SER.A/673

<UNIDO pub>. <Mission report> on <technical assistance> to  
<ceramics industry> in <Ethiopia> (reference: <household goods>) -  
covers (1) the role of the Ethiopian Electricity, Light and Power  
Authority (EELPA) in the manufacture of electrically heated hot  
plates (2) <raw material>s availability (3) <government  
contribution> (4) <training> of local <staff> (4) <assembly and  
<costs> of hot plates. <Recommendations>; <job description>  
<Statistics>. Additional references: <ceramics>; <equipment>;  
<appropriate technology>; <electric power consumption>;  
<feasibility study>; <project document>.

ENGL

33 30

15532

1986

Mohnot, S

Sharif, Issam A

UNIDO

(R) GUIDELINES FOR INDUSTRIAL PLANNING IN DEVELOPING COUNTRIES: BASIC  
PRINCIPLES AND PRACTICES

Vienna, 1986. 242 p. tables, graphs, diagrams

UNIDO-UNIDO/IO/R.233

<UNIDO pub> on <industrial planning> in <developing countries> -  
covers (1) <definition>, scope and types of industrial <planning>  
and <development planning> (2) the role of industrial planning in  
<industrialization> (3) <organizational aspects> (4) specific  
strategies: <import substitution> and <export promotion>;  
utilization of <natural resources>; <choice of technology>;  
<capital intensive> and <labour intensive> technologies; <economy  
of scale>; the role of <small scale industry> (5) medium and long-  
term objectives (6) tools of industrial planning: uses of balances  
as a combination of indices ensuring comparison between needs and  
availability of resources, etc. <Bibliography>; <statistics>

Additional references: <mathematical analysis>, <input-output analysis>. <Restricted>.

ENGL  
14.60

15533  
UNIDO

1986

SEMINAR ORGANIZED BY THE UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION IN CO-OPERATION WITH THE PAN AFRICAN TELECOMMUNICATIONS UNION, HARARE, 1986

(R) REPORT. TECHNICAL ADVISORY SERVICES ON PROSPECTS FOR THE MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT IN AFRICA.  
- (R) RAPPORT. SERVICES TECHNIQUES CONSULTATIFS CONCERNANT LES PERSPECTIVES DE FABRICATION DE MATERIEL DE TELECOMMUNICATIONS EN AFRIQUE.

Vienna, 1986. 23 p.  
UNIDO-UNIDO/PC/R.16

<UNIDO pub>. <Report> of a <seminar> on the manufacture of <telecommunications> <equipment> in <Africa> - covers: present situation; <maintenance and repair> facilities; <appropriate technology>; <engineering design>; <contracting>; <management development>; <regional cooperation> in the fields of <standardization>, <regional> manufacture of equipment and <components> as well as <joint venture>s. <Recommendations>. Appends <list of participants>. <Restricted>.

ENGL FREN  
39.10

15534

1986

Assezat, Charles A  
Blatrix, Olivier C.  
UNIDO

(R) CHINA. ASSISTANCE IN DESIGN, CONSTRUCTION AND OPERATION OF THE MUNICIPAL WASTEWATER TREATMENT SYSTEM, BEIJING.

US/CPR/84/281

Vienna, 1986. 74 p. tables, diagrams.

....

<UNIDO pub>. <Expert report> on establishment of a municipal waste <water treatment> system in Beijing, <China> - covers (1) current situation (2) desired quality of final effluent; waste water treatment plants; existing <pilot plant> (in Gaobeidian) (3) <equipment>; <maintenance and repair>; <water pollution> measurements; <recycling>. <Recommendations>. <Diagram>s. <statistics> <Restricted>.

ENGL  
11.30

15535

1986

Singh, Jagjit  
UNIDO

(R) LIBYA. ADVISORY AND TECHNICAL ASSISTANCE TO THE SECRETARIAT FOR HEAVY INDUSTRIES (SHI). TERMINAL REPORT: INDUSTRIAL SAFETY

TF/LIB/80/001

Vienna, 1986. 54 p.

<UNIDO pub> <Expert report> on <industrial safety> in <Libya>n  
<heavy industry> - covers (1) project background (2) existing  
safety <regulations>; <factory> visits; safety <organizational  
aspects>; safety inspection. <training>; safety <survey>; personal  
protective <equipment> (3) the safety situation in factories under  
the Secretariat for Heavy Industries. <iron and steel industry>;  
<chemical industry>; <metalworking industry>; <motor vehicle  
industry>; <cement industry>; <construction industry> etc (4)  
specific <training programmes>; <Recommendations> <Restricted>

ENGL  
23 40

15536  
UNIDO  
MICROELECTRONICS MONITOR ISSUE NUMBER 18  
Vienna, 1986 iv, 65 p tables, graphs  
|||

<UNIDO pub> giving information regarding the field of  
<microelectronics> - covers (1) news and recent events (2)  
<advanced technology>; <market> <trends> and company news (3)  
<robots> and factory <automation>; <computer-aided manufacture> (4)  
<industrial applications>; <computer programmes>; artificial  
intelligence and expert systems (5) country reports; <government  
policy>; <legislation> and <standards> (6) <social aspects> and  
<economic implications> (7) recent publications Additional  
references <silicon>; <integrated circuits>; <informatics>;  
<research>

ENGL  
38 10

15537 1986

De Bandt, Jacques  
Boussemart, Benoit  
Rabier, Jean-Claude

UNIDO  
(R) MADAGASCAR L INDUSTRIE MALGACHE CONDITIONS ET SCENARIOS DE  
DEVELOPPEMENT  
Vienna, 1986 299 p tables

<UNIDO pub> <Expert report> on <industrial development> in  
<Madagascar> - covers (1) the <national economy>; the  
<macroeconomics> context, the <industrial sector>; problems and  
<development potential> of <manufacturing> (2) analysis of <textile  
industry>; <food industry>; <metalworking industry>; <chemical  
industry>; <leather industry>; <building materials>; <wood  
processing> (3) <industrial study>s (4) conditions for industrial  
development. <industrial policy>; three <models> for development  
<Statistics> Additional reference <social policy> <Restricted>

FREN  
14 60

15538 1986  
UNIDO

INFORMAL UNIDO/WHO/UNEP WORKING GROUP ON BIOTECHNOLOGY SAFETY, VIENNA, 1986

BIO SAFETY GUIDELINES FOR MANUFACTURE OF VACCINES AND BIOLOGICALS.

Vienna, 1986. 5 p

UNIDO-ID/WG.463/2

<UNIDO pub> on <industrial safety> guidelines in producing <vaccines> and biological products (reference: <biotechnology>) - covers: the <WHO> programme for vaccine development; vaccine <technology transfer> to <developing countries>; <research and development> priority areas (i.e. hepatitis, polio, tuberculosis)

ENGL

35.50

15539

1986

UNIDO

INFORMAL UNIDO/WHO/UNEP WORKING GROUP ON BIOTECHNOLOGY SAFETY, VIENNA, 1986

SAFETY GUIDELINES AND PROCEDURES FOR BIOSCIENCE-BASED INDUSTRY AND OTHER APPLIED MICROBIOLOGY

Vienna, 1986. 13 p.

UNIDO-ID/WG.463/1

<UNIDO pub> on <industrial safety> for <biotechnology> <research and development> and applied <microbiology> - covers (1) project objectives (2) risk and risk assessment, the <IBRD> guidelines; the <WHO> classification system (3) conjectural risks associated with applied biotechnology. Additional references: <UNIDO>, <UNEP>, <genetic engineering>, <regulations>.

ENGL

35.50

15540

1986

UNIDO

UNIDO'S SUPPORT TO THE IRON AND STEEL SECTOR IN DEVELOPING COUNTRIES.

- APPUI APORTE PAR L'ONUDI AU SECTEUR SIDERURGIQUE DANS LES PAYS EN DEVELOPPEMENT

- APOYO DE LA ONUDI AL SECTOR SIDERURGICO DE LOS PAISES EN DESARROLLO.

Vienna, 1986. 16 p diagrams.

UNIDO-UNIDO/PC 142

<UNIDO pub> on <UNIDO> <technical assistance> to <iron and steel industry> in <developing countries> - covers (1) the <role of developing countries> (2) the <steel> sector and the <industrialization> process; <raw materials>, <energy source>s (3) UNIDO strategy for assisting the industry (4) UNIDO System of Consultations, <training programmes>, studies, <industrial extension>, <fellowships> (5) industrial <cooperation>, among DCs (6) development <forecast> to the year 2000.

ENGL FREN SPAN

36.10

15541

1986

Graf, Karoly

UNIDO

MALI. ETUDE SUR LA FABRICATION DES PIECES DE RECHANGE ET D'OUTILLAGE. RAPPORT TECHNIQUE.



DP/MLI/82/014

Vienna, 1986. 38 p. tables.

UNIDO-DP/10/SER.A/694

<UNIDO pub>. <Mission report> concerning potential manufacture of <spare parts> and <tools> in <Mali> - covers (1) project background; demand for such <equipment> (2) existing <foundry>s and their <production capacity>s (3) <metalworking industry> and mechanical <workshop>s (4) <industrial enterprise>s requiring spare parts. <Recommendations>, <statistics>. Appends list of enterprises visited.

FREN  
37.10

15542

1986

UNIDO

INTRAG, INC., BOSTON, USA

(R) PAKISTAN: ACHIEVING INDUSTRIAL ENERGY SAVINGS. FINAL REPORT.

DP/PAK/83/009

Vienna, 1986. 99 p. tables, graphs, diagrams.

....

<UNIDO pub>. <Final report> on <energy saving> in <Pakistan> - covers (1) project background (2) characteristic data of industries analyzed: <energy> usage and <costs>; energy audit equipment; <survey method> and approach (3) energy inefficiencies: <boilers>, <steam> system, hot <water> and <electric power> losses (4) <energy conservation> findings and improvements: <management> and <administrative aspects>, <workers> <incentives>; improvement in boiler efficiency; <maintenance and repair>, existing and new <equipment>; <engineering design> (5) <national planning> for industrial energy conservation. <Diagram>s, <statistics>. <Restricted>.

ENGL  
34.10

15543

1986

UNIDO

VISHWAKARMA PROCESS TECHNIK PVT LTD., INDIA

(R) NICARAGUA. EL INFORME DE PROYECTO PARA EL ESTABLECIMIENTO DE UNA PLANTA PILOTA MULTIPROPOSITA PARA LA PRODUCCION DE QUIMICAS FARMACEUTICAS.

DP/NIC/83/004

Vienna, 1986. 131 p. tables, diagrams.

....

<UNIDO pub> on the establishment of a <pilot plant> for <pharmaceutical industry> in <Nicaragua> - covers (1) project objectives; the current situation of the national <health service>; <UNICEF> and <UNIDO> programmes (2) <pharmaceuticals> production, <consumption> and <distribution> (3) <quality control>, <prices> (4) <pharmaceuticals> <industrial planning> (5) <location of industry>, <site assessment> (6) <equipment>; <financing>; <power supply>, <production costs>; <market>. Project findings and <recommendations>. <Diagram>s, <statistics>. <Restricted>.

SPAN  
35.60

15544 1986

Ullhammer, Birgit

UNIDO

(R) BANGLADESH: EVALUATION REPORT ON A HANDKNOTTED WOOLLEN CARPET TRAINING PROJECT. TECHNICAL REPORT.

DP/BGD/84/014

Vienna, 1986. 39 p. diagrams, illus.

....

<UNIDO pub>. <Expert report> on a <training centre> for production of handknotted <wool>len <carpets> in <Pakistan> - covers (1) project background (2) <training programmes> (3) <machinery> and <equipment> needed for <sheep> wool <development centre> (4) <budgeting>. <Recommendations>. Additional reference: <handicraft>. <Restricted>.

ENGL

32.30

15545 1986

UNIDO

TECHNET, SINGAPORE

THE MACHINE TOOL INDUSTRY IN THE ASEAN REGION: OPTIONS AND STRATEGIES.

ANALYSIS BY COUNTRY. SECTORAL WORKING PAPER SERIES NO 49, VOLUME II.

Vienna, 1986. 141 p. tables, diagrams.

UNIDO-UNIDO/IS.634/Add.1

<UNIDO pub> on the <machine tool industry> in the <ASEAN> region, based on an analysis by country - presents reports on the machine tool industry in <Indonesia>, <Malaysia>, the <Philippines>, <Singapore> and <Thailand>, covering size of the industry, <appropriate technology>, <metalworking industry>, <machine tools> <export>s and <import>s, <product development> opportunities, <government policy>s. Appends lists of selected machine tool manufacturers. <Statistics>, <diagram>s.

ENGL

37.10

15546 1986

Besancon, Jacques E.

UNIDO

(R) REPUBLIC OF KOREA: DEVELOPMENT OF INDUSTRIAL ROBOTS. COMPUTER VISION SYSTEMS. TECHNICAL REPORT.

DP/ROK/82/031

Vienna, 1986. 24 p. diagrams.

....

<UNIDO pub>. <Expert report> on the development of industrial <robots> in <Korea R> - covers lectures and <seminar>s on practical applications and goals of image detection and feature extraction, part recognition of a workpiece, future nuclear <power plant>s, path-finding, obstacle avoidance, robot command languages etc. Additional references: <computer>s, <computer programmes>, <microelectronics>. <Restricted>.

ENGL

38.10

15547

1986

Anestis, Georg

UNIDO

(R) TECHNOLOGY PROFILE FOR MINI-STEEL PLANT.

Vienna, 1986. 194 p. tables, diagrams, graphs.

UNIDO-IPCT/R.3

<UNIDO pub> on <technology> for small <steel> plants - covers (1) production methods in <iron and steel industry>; types of plants and <production capacity> ranges (2) <raw material>s and <energy> aspects (3) <capital costs> and <production costs> (4) steel <rolling> products (5) <infrastructure>, <manpower needs>, <training> (6) review of three plants (7) integration of mini-steel plants with other industrial sectors (8) programme for mini <factory establishment>. <Statistics>, <diagram>s. Additional references: <iron ore>, <pollution control>, <direct reduction>, <metal scrap>. <Restricted>.

ENGL

36.10

15548

1986

Sulc, V.K.

UNIDO

UTILIZATION OF COCONUT PALM SAWN WOOD AS A LIGHT FRAMING STRUCTURAL MATERIAL TECHNICAL REPORT.

DU/RAS/81/110

Vienna, 1986. 210 p. tables, diagrams, illus.

UNIDO-DP/ID/SER.A/695

<UNIDO pub>. <Expert report> on the use of <coconut palms> <wood> as <building materials> - covers (1) project background (2) building <site assessment> (3) <building design> roof construction for low-cost <housing> in <tropical> regions (4) manufacturing of roof and side wall shingles (5) gable ends, eaves, gable overhang and fascia boards (6) flooring, <doors>, <windows>, ventilation <Diagram>s, <statistics>. Additional references <tropical timber>, <wood processing>, <wood technology>, <wood preserving>, <pest control>.

ENGL

33.20

15549

1986

Edquist, Charles

Jacobsson, Staffan

UNIDO

(R) THE ENGINEERING INDUSTRY IN THE REPUBLIC OF KOREA A SUCCESS STORY IN CRITICAL PERSPECTIVE

Vienna, 1986. iv, 43 p. tables

UNIDO-UNIDO/IS/R 43

<UNIDO pub> on the <engineering> industry in <Korea R> - covers (1) overall structure of the industry (2) analysis at the product group level: <hydraulic machinery>, <machining> centres, plate heat exchangers, submersible <pumps>; priority areas for action (3) changing attitudes towards medium and <small scale industry>, requirements for <specialization>. <Statistics>, <bibliography>. Additional references: <machinery industry>, <heat recovery>, <engineering design>, <lathes>, <components>. <Restricted>.

ENGL

15550  
UNIDO  
ESCAP

1983

ESCAP/UNIDO SYMPOSIUM ON CONTRACTS FOR THE CONSTRUCTION OF OIL AND GAS PIPELINES, JAKARTA, 1983

TECHNOLOGY TRANSFER IN THE CONSTRUCTION OF OIL AND GAS PIPELINES.

Vienna, 1985 111, 129 p tables, diagrams, maps.

UNIDO-UNIDO/IS 575

<UNIDO pub> on <technology transfer> in the construction of <petroleum> and <gas> <pipeline>s - (1) contains <report> of a <UNIDO> and <ESCAP> <meeting> on <contract>s for the construction of such pipelines (2) covers (a) structures and forms of contracts; specific components, problems for <developing countries> (b) current international practices (c) transfer of technical <knowhow> in pipeline construction projects (d) use of local resources; <case study> of a <natural gas> pipeline project in <Indonesia> (3) presents a <comparative study> based on papers contributed to the meeting <Diagram>s, <maps>, <recommendations> Additional reference <construction industry>

ENGL  
39 20

15551

1986

Hodgkinson, Ann

UNIDO

IRI STUDY OF THE NON-FERROUS METALS INDUSTRY 1986. AUSTRALIAN CASE STUDY

Vienna 1986 1 vol (various pagings), tables

<UNIDO pub> <Expert report> on the <nonferrous metals> industry in <Australia> - covers (1) technical and <economic aspects>, <social aspects>, <mining> operations, <mineral resources>, <ore processing>, <economic implications>, <government policy> and <industrial enterprises>, <legal aspects> (2) <development policy> and <cooperation>, <Statistics> Additional references <copper>, <bauxite>, <alumina>, <silver>, <lead>, <zinc>, <nickel>, <tin>, <alloys>, <caustic soda> <Restricted>

ENGL  
35 30

15552

1986

UNIDO

INTERNATIONAL FERTILIZER DEVELOPMENT CENTER (IFDC), ALABAMA

IRI INDIA FIELD EVALUATIONS OF MUSSOORIE PHOSPHATE ROCK PRODUCTS

FINAL REPORT

DF/IND 81/019

Vienna 1986 49 p tables

<UNIDO pub> <Final report> on field evaluations of Mussoorie <phosphate> rock products in <India> - covers (1) objectives, materials and methods of field studies and <experiment>s conducted with a view to determining promising <fertilizer> products for

specific <soil> conditions (2) results and discussion.  
<Statistics>. Additional reference: <research centre>.  
<Restricted>.

ENGL  
35.30

15553 1986

UNIDO

INTERNATIONAL FERTILIZER DEVELOPMENT CENTER (IFDC), ALABAMA  
(R) INDIA. PILOT PLANT-SCALE PARTIALLY ACIDULATED PHOSPHATE ROCK  
(PAPR) STUDIES, PROCESS DESIGN, EQUIPMENT SPECIFICATIONS, AND PLANT  
LAYOUT. FINAL TECHNOLOGY REPORT.

DP/IND/81/019

Vienna, 1986. 68 p. tables, diagrams, graph.

....

<UNIDO pub>. <Final report> regarding production of partially  
acidulated <phosphate> rock (PAPR) using ground run-of-mine  
Mussoorie rock from <India> - covers (1) <pilot plant> PAPR  
<testing>; process description; results (2) process design;  
<pollution control> (3) process <equipment> <specifications>;  
protective <coating process>; <electrical equipment>;  
<Recommendations>; process <statistics>. <diagram>s. <flow chart>s.  
<factory layout>. Additional references: <fertilizer>. <choice of  
technology>. <Restricted>.

ENGL  
35.30

15554 1986

UNIDO

INTERNATIONAL COMPARATIVE ADVANTAGE IN MANUFACTURING. CHANGING  
PROFILES OF RESOURCES AND TRADE.

Vienna, 1986. 226 p. tables, graphs, diagrams.

UNIDO-ID/334

UN-E.85.II.B.9

<UNIDO pub> on international <comparative costs> advantage in  
<manufacturing> - covers (1) the concept and its significance (2)  
the international <distribution> of <natural resources>; <economic  
analysis> (factor intensity of <commodities>, the factor endowment  
of countries, the pattern of <trade> flows) (3) <structural change>  
of comparative advantage; <capital investment>; <economic  
development>; changes in the <export> structures (4) international  
<competitiveness>; <industrialization policy>; <industrial  
development>; <development policy>; <export promotion>; <government  
policy>s (5) <methodology>; <mathematical analysis>. <Statistics>  
Additional reference: <developing countries>.

ENGL  
21.20

15555 1986

Huber, H.

UNIDO

OMV, AUSTRIA

WORKSHOP ON MAINTENANCE AND PLANT INSPECTION IN PETROLEUM REFINERIES,  
5TH, VIENNA, 1986

(R) FINAL REPORT (WORKSHOP ON MAINTENANCE AND PLANT INSPECTION IN  
PETROLEUM REFINERIES)

US/INT/85/207

Vienna, 1986. 11 p

<UNIDO pub> <Report> of a <meeting> on <maintenance and repair> in  
<petroleum refinery>s, based on experience in <Austria> - contains  
<agenda>, list of lectures and a questionnaire for assessment of  
<training programmes> <Restricted>

ENGL

34 40

15556

1986

Pruzan, Gregorio

UNIDO

(R) RED DE ASOCIACIONES EMPRESARIAS DE LA INDUSTRIA DE TRANSFORMACION  
DE PLASTICOS DE LATINOAMERICA (REPLA) INFORME FINAL.

Vienna, 1986. 25 p

<UNIDO pub> <Final report> on assistance in creating a  
<manufacturers association> in the field of <plastics processing>  
industry in <Latin America> - covers (1) project background and  
activities (2) draft statutes and <regulations> of the institution  
(3) <administrative aspects>, <organizational aspects>, <legal  
aspects>, <financial aspects> <Recommendations>. <Restricted>

SPAN

35 70

15557

1986

Verheugen, Etienne

UNIDO

(R) CAMEROUN. ETUDE DE FAISABILITE. IMPLANTATION D'UNE UNITE DE  
MANUFACTURE, MONTAGE ET MISE EN OEUVRE DE SILOS MOBILES ET BON  
MARCHES DU TYPE FLEXILO POUR LE STOCKAGE DE PRODUITS AGRICOLES.  
RAPPORT TECHNIQUE

XA/RAF/85/609

Vienna, 1986. 103 p diagrams, tables, illus.

UNIDO-UNIDO/IO/R 234

<UNIDO pub> <Expert report> on the feasibility of manufacture and  
operation of mobile <silos> for the storage of <agricultural  
products> in <Cameroon> - covers (1) <agriculture>, <soil>,  
climate, policies (2) technical aspects of <harvesting>, <drying>  
and conservation of <cereals> (3) characteristics of the "flexilo"  
silo system, <economic aspects> of local fabrication; <raw  
materials>, <equipment>, <costs>, production range (various sizes)  
<Recommendations>, <specifications>, <job description>, <diagrams>,  
<factory layout>, illustrations Additional references: <food  
storage>, <pilot plant> <Restricted>

FREN

30 20

15558

1986

Gontier, Georges

UNIDO

(R) RWANDA ASSISTANCE A L'USINE RWANDAISE DE PIERRES ORNEMENTALES  
RAPPORT FINAL

SI/RWA/85/803

Vienna, 1986 44 p tables, illus

UNIDO-DP/ID/SER B/519

<UNIDO pub>. <Final report> on assistance to a factory manufacturing <stone> slabs in <Rwanda> - covers (1) particulars of the <factory> at Kigali and of the stone quarry in the Resumo region, quality of product, <economic aspects> (2) <commercialization>, <market>, <competitiveness>, <exports> (3) proposals for improvement and increase of production, <diversification> and <pricing> (4) <equipment>, <financial aspects>, <management> <Recommendations>, tables, illustrations, <glossary> Additional references <building materials>, <flagstones> <Restricted>

FREN

33 20

15559

1986

UNIDO

CONSULTATION ON THE AGRICULTURAL MACHINERY INDUSTRY 3RD BELGRADE  
1986

PROGRESS REPORT ON THE IMPLEMENTATION OF THE RECOMMENDATIONS OF THE  
CONSULTATIONS ON THE AGRICULTURAL MACHINERY INDUSTRY

Vienna, 1986 7 p

UNIDO-ID/WG 462/2

<UNIDO pub> on progress in implementing recommendations of consultations regarding the <agricultural machinery> industry - briefly describes activities resulting from consultations held in Stresa (1979), Addis-Ababa (1982) and Vienna (1983) covering <meetings>, <training assistance>, <information exchange>, <regional cooperation>, <technology transfer>, <documentation> etc Additional references <maintenance and repair>, <Africa>

ENGL

37 20

15560

1986

Nganga, Eileen

Taulealo, I S

Thamrattanasorn, Porntip

Young, William

UNIDO

COCONUT WOOD AND BUILDING IN THE ASIA AND PACIFIC REGION

Vienna, 1986 iii, 8 p diagrams

UNIDO-UNIDO/IO 628

<UNIDO pub> on present and potential use of <wood> from <coconut palms> in <Western Samoa>, <Vanuatu>, <Thailand> and <Kiribati> - covers the coconut wood industry, <wood technology>, use of such <timber> as <building materials> for construction of low-cost <housing>, <furniture> making, a coconut timber project proposal. Additional references <construction industry>, <wood processing>, <tropical timber>, <building design>

ENGL

32 10

15561 1986

Saraswat, K C

UNIDO

INDIA FABRICATION TECHNOLOGY OF LSI CIRCUITS. TECHNICAL REPORT  
DP/IND/84/015

Vienna, 1986. 7 p.

UNIDO-DP/ID/SER A/697

<UNIDO pub>. <Expert report> on assistance to large-scale  
<integrated circuits> at a <research centre> in <India> - covers  
(1) project background (2) technical activities of the expert (3)  
topics covered by <seminars> <Recommendations> Additional  
references <microelectronics>, <research>, <silicon>,  
<transistors>

ENGL

38 20

15562 1986

UNIDO

AN INVENTORY OF INDUSTRIAL STATISTICS UNIDO DATA BASE, 1986

Vienna, 1986 x, 155 p tables.

UNIDO-UNIDO/IS 629

<UNIDO pub>. Inventory of <statistics> relevant to <industrial  
development> in the <developing countries> - gives printouts of  
industrial statistics available in the <UNIDO> <data base>,  
covering the period 1963 to 1984, with reference to the following  
indicators <employment>, <wages> and salaries; gross output;  
<<value added>; gross fixed <capital formation>; production indexes

ENGL

14 60

15563 1986

UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
IMPLEMENTATION OF THE RECOMMENDATIONS OF THE THIRD CONSULTATION ON THE  
IRON AND STEEL INDUSTRY

Vienna, 1986. 3 p.

UNIDO-ID/WG 458/14

<UNIDO pub> on progress made in implementing <recommendations> of  
the third consultation on the <iron and steel industry> (Caracas,  
1982) - covers the issues of <training>, <financing>, and the entry  
of newcomers to the iron and steel sector (with special attention  
to mini-<factory establishment>).

ENGL

36 10

15564 1986

Lipo, T A

UNIDO

INDIA SOLID STATE AC DRIVES FOR TRANSPORTATION EQUIPMENT (PART II).  
TECHNICAL REPORT.

DP/IND/84/014

Vienna, 1986 29 p. tables, graphs, diagrams.

UNIDO-DP/ID/SER A/696



<UNIDO pub> <Expert report> on assistance in development of solid state AC traction motor drives for <transport> equipment in <India> (reference: <electric motors>) - covers (1) experience at a <research centre> in Pilani (2) the delta modulator; its application for current regulated pulse-width-modulation inverter in order to improve inverter performance. <Recommendations>, <diagrams>.

ENGL  
38 20

15565 1986

UNIDO

TSVETMETPROMEXPORT, LENINGRAD

(R) INDIA PROJECT REPORT FOR ESTABLISHMENT OF SUPER PURITY ALUMINIUM PRODUCTION IN INDIA FINAL REPORT

DP/IND/84/007

Vienna, 1986 4 vol (various pagings) tables, diagrams, graphs

<UNIDO pub> <Final report> on establishment of a high purity <aluminium> (HPA) production unit in <India> - covers (1) <domestic market> for HPA, <supply and demand>, sales, <production capacity> for the projected experimental demonstration unit (EDU) (2) <raw material>s and other production factors (3) <location of industry>, <site assessment>, impact on the <environment>, <air pollution> (4) <engineering design>, <equipment>, <power supply> (5) organization of EDU, <manpower needs>, <manning table>, <project implementation> (6) <financial aspects>, <economic analysis>, <capital costs>, <production costs> <Statistics>, <diagrams>, <cash flow>, <factory layout> Additional references <smelting>, <electrolysis>, <specifications> <Restricted>

ENGL  
36 10

15566 1986

Chintayarangsan, Rachain

Kertikara, Krissanapong

Klankwamdee, Attakorn

Niamsorn, Chaw

Viemings, F A M

UNIDO

(R) THAILAND INDUSTRIAL RESTRUCTURING IN METAL AND METAL PRODUCT INDUSTRIES FINAL REPORT

DP/THA/82/011

Vienna, 1986 180 p tables, diagram

<UNIDO pub> <Expert report> on <structural change> in the <metals> and <metal products> industries in <Thailand> - covers (1) current state of these industries, linkages, <trade>, <technology>, the <market>, <production costs>, <raw material>s, <production capacity>, <consumption>, <demand> and growth patterns (2) technological capabilities (3) the <world market> for <steel>, prospects (4) relevant <development policy>, new <investment>, <standards>, protection; a basic industry project, <technical assistance>, industrial <financing> <Recommendations>, <statistics>, <flow chart> <Restricted>

ENGL

15567 1986

Wattananukit, Atchana

UNIDO

(R) THAILAND. INDUSTRIAL PROJECTION. FINAL REPORT.

DP/THA/82/011

Vienna, 1986. 170 p. tables.

.....

<UNIDO pub>. <Final report> containing <projection>s with regard to <manufacturing> in <Thailand> - covers (1) the manufacturing sector: structure, <import>s, <export>s, <employment>, <skills>, <size of enterprise>s, sectoral growth, linkages; <structural change> in the <industrial sector> (2) <methodology> of projections (3) projection of final <demand> components and of export demand (4) empirical results <Recommendations>, <statistics>, <bibliography>. Additional reference: <econometrics>. <Restricted>.

ENGL

21. 20

15568 1986

Chintayarangsai, Rachain

Satawut, Kovit

Sripaipan, Chatri

Thamptakkul, Boonwa

Wightman, Eric J.

UNIDO

(R) THAILAND. INDUSTRIAL RESTRUCTURING IN MACHINERY INDUSTRY. FINAL REPORT.

DP/THA/82/011

Vienna, 1986. 158 p. tables

.....

<UNIDO pub>. <Expert report> on <structural change> in the <machinery industry> in <Thailand> - covers (1) current state of the industry (2) technological capabilities (3) <development policy>; promotion of <technology>, <subcontracting>, industrial <standards>, <tariff policy> changes required, <investment promotion>, <incentives>; meeting needs for <financing>, <Recommendations>, <statistics>. Additional references: <knowhow>, <training>, <factory>, <machine tools>, <agricultural machinery>, <engines>, <pumps>, <transformers>, <metalworking industry>. <Restricted>.

ENGL

37. 20

15569 1986

Juanjai, Ajanant

Spreafico, Luigi

Suwit, Thanivavarn

UNIDO

(R) THAILAND. INDUSTRIAL RESTRUCTURING IN TEXTILE INDUSTRIES. FINAL REPORT.

DP/THA/82/011

Vienna, 1986. 1 vol. (various pagings). tables, graphs.

<UNIDO pub> <Expert report> on <structural change> in the <textile industry> in <Thailand> - covers (1) structure of production; <import> dependence; <export> performance (2) <technology>, <productivity> and <quality standards>; the need for well-trained <technical personnel> (3) <demand> patterns; <trade barriers> (4) <textile finishing> and <dyeing> industry (5) <financing> needs (6) <tax incentives> and <investment promotion> (7) implications for <industrial policy> <Recommendations>, <statistics>, <bibliography> Additional references <clothing>, <weaving> <Restricted>

ENGL  
32 30

15570 1986

Ben-Gera Itamar

UNIDO

CAPITAL GOODS IN OILSEEDS PROCESSING AND GRAIN MILLING INDUSTRIES

SECTORAL WORKING PAPER SERIES NO 48

Vienna, 1986 ix 63 p diagrams

UNIDO-UNIDO IS 630

<UNIDO pub> on <capital goods> in the <oilseeds> and <grain processing> industries - covers (1) processing of seeds, <vegetable oils> and fats <cereals> grain <milling industry>; technologies for processing <wheat>, <rice>, and <maize>, <production capacity>, <energy saving> <equipment> which could be produced in <developing countries> (2) basic problems and issues; <demand> and <competition> structure of production of equipment for <food industry>, <knowhow> and <engineering> manufacturing capabilities; <market> <industrial policy> <Recommendations>, <flow charts>, <bibliography>

ENGL  
25 10

15571 1985

UNIDO

CONTRIBUCION POTENCIAL DE LA AGROINDUSTRIA ALIMENTARIA A SISTEMAS DE SEGURIDAD ALIMENTARIA CASO DE UNA SUBREGION LATINOAMERICANA

SECTORAL WORKING PAPER SERIES NO 43

- POTENTIAL CONTRIBUTION OF THE AGRO-FOOD INDUSTRY TO FOOD SECURITY SYSTEMS THE CASE OF A LATIN AMERICAN SUBREGION SECTORAL WORKING PAPERS SERIES NO 43

Vienna, 1985 ix 39 p tables graphs

UNIDO-UNIDO IS 587

<UNIDO pub> on the potential contribution of <agro-industry> to systems of <food> supply with special reference to <Latin America> - covers (1) background, plans for systematic provision of food, relevant decisions taken within the context of the <Andean Group> (2) agro-industry serving <food production>, <demand>, <supply>, <production capacity> of <food industry's> (3) <development potential> of agro-industry with reference to <dairy products>, <milling industry> and production of <bread> and <food pastes>, programmes for providing food to school children, <nutrition> aspects, the <informal sector> <Statistics>, <bibliography>

SPAN ENGL  
31 50

15572

1986

Adhikari, Ramesh

Yankson, P.W.K.

UNIDO

INDUSTRY AND DEVELOPMENT, NO. 17.

New York, 1986. 115 p. tables, maps.

UNIDO-ID/SER.M/17

UN-E.86 II B.1

<UNIDO pub> containing articles on (1) industry and external <debt> in <Africa> (2) <small scale industry>s in the implementation of a growth centre strategy in <regional development> (case study from <Ghana>) (3) efficiency and <social costs> in <project evaluation> (based on experience in <Nepal>) - covers <industrial development>, <financing>, <productivity>, <cost-benefit analysis> <Statistics>, <bibliography>s, <maps>.

ENGL

14 60

\$ 8.00

15573

1986

Wiboonchutikul, Paitoon

UNIDO

(R) THAILAND. THE MEASUREMENT OF INDUSTRIAL EFFICIENCY AND PRODUCTIVITY. FINAL REPDRT

DP/THA/82/011

Vienna, 1986 84 p tables

<UNIDO pub> <Expert report> concerning measurement of industrial <productivity> in <Thailand> - covers (1) various methods of measuring productivity growth, index number, production function and cost function approaches (2) the measurement of total factor productivity growth (TFPG) in the Thai <manufacturing> sector (3) <estimating> and analysis of TFPG (4) measuring efficiency at the level of individual <industrial enterprise>s <Statistics> extensive <bibliography>. Additional references <econometrics>, <industrial growth> <Restricted>

ENGL

24 40

15574

1986

Maucotel, Jean-Marc

UNIDO

(R) TUNISIE. DEVELOPPEMENT D'UNE UNITE DE PRODUCTION DE MOULES POUR PLASTIQUE AU SEIN DU CETIME. RAPPORT FINAL

DP/TUN/84/007

Vienna, 1986 105 p tables, diagrams.

<UNIDO pub>. <Final report> on assistance to <moulds> production for <plastics processing> in <Tunisia> - covers: <training programmes> regarding <plastics>, <moulding> processes, <choice of technology>, <equipment>, <choice of products>, <economic aspects> Process <statistics>, <diagram>s, <specifications>, <documentation>, <list of participants>. <Restricted>

FREN  
35.70

15575

1986

Kissa, Erik

UNIDO

REPUBLIC OF KOREA. THE DYEING AND FINISHING RESEARCH CENTRE IN  
DAEJEON. KOREA-PROPOSED OBJECTIVES AND EQUIPMENT NEEDS. TECHNICAL  
REPORT.

DP/ROK/82/027

Vienna, 1986. 31 p. diagram.

UNIDO-DP/ID/SER. A/703

<UNIDO pub>. <Expert report> on assistance to a <research centre>  
serving the <textile industry> in <Korea R> - covers (1)  
establishment of a centre for <research and development> regarding  
<dyeing> and <textile finishing> (2) <laboratory> facilities;  
<equipment>; <training programmes>; <technical information>;  
examples of technical problems arising in various <factory>s.  
<Recommendations>. <diagram>.

ENGL

32.30

15576

1986

Čatipović, Nikola

Fath, Janos

Mebratu, Gebremeskel

UNIDO

UNDP

(R) ETHIOPIA. ASSISTANCE TO THE INDUSTRIAL PROJECTS SERVICE (IPS).  
REPORT OF THE EVALUATION MISSION.

DP/ETH/83/001

Vienna, 1986. 87 p. tables, charts, illus.

UNIDO-DP/ID/SER. C/6

<UNIDO pub>. <Mission report> evaluating assistance to the  
<Industrial Projects Service (IPS) in <Ethiopia> - (1) concerns a  
project designed to strengthen the IPS's capability to identify and  
prepare industrial investment projects and carry out sectoral  
<survey>s in line with accepted methodologies (2) covers: project  
formulation, implementation and results <Recommendations>,  
<bibliography>., <statistics>., <diagrams>., <Additional references  
<consulting>., <preinvestment study>s., <training>., <project  
evaluation>., <Restricted>.

ENGL

14.80

15577

1986

Janiszewski, Hubert A.

UNIDO

(R) SELECTED ISSUES RELATED TO EVALUATION OF PAYMENTS IN ENGINEERING  
AND CONSULTANCY AGREEMENTS BY NATIONAL TECHNOLOGY REGISTRIES.

Vienna, 1986. 33 p. tables.

<UNIDO pub>. <Expert report> on <financial aspects> of  
<engineering> and <consulting> <contract>s as evaluated by national

<technology> registries in <developing countries> - (1) provides a tool for <evaluation> of payments in such agreements (2) covers: the nature of the evaluation exercise; basic components and forms of contracting; contract <pricing> and schedule of payments; disaggregation of the engineering-consultancy package; conclusions and suggestions. Tables. Additional reference: <technology transfer>. <Restricted>.

ENGL  
13.30

15578 1986

Tatar, Istvan

UNIDO

CONSULTATION ON THE AGRICULTURAL MACHINERY INDUSTRY, 3RD, BELGRADE, 1986

GUIDELINES AND SAMPLE CLAUSES TO INTERNATIONAL CONTRACTS FOR THE ACQUISITION, ASSEMBLY AND MANUFACTURE OF AGRICULTURAL MACHINERY AND SPARE PARTS THEREFOR.

Vienna, 1986. 115 p.

UNIDO-ID/WG.462/3/Rev.1

<UNIDO pub> giving guidelines on <contract>s regarding <agricultural machinery> and related <spare parts> (reference: <technology transfer>) - covers (1) the need for contracts; areas of activity and contractual forms; procedures; general considerations (2) guidelines for the <supply> and <distribution> of agricultural activities and spare parts (3) guidelines for <assembling> and manufacture. Includes sample clauses. Additional reference: <factory establishment>.

ENGL  
37.20

15579 1986

Barwell, Ian J.

UNIDO

(R) ETHIOPIA. STUDY OF THE POTENTIAL FOR A LOW COST VEHICLES ASSEMBLY MANUFACTURING PLANT.

DP/ETH/83/001

Vienna, 1986. 2 vol. (various pagings). tables, diagrams.

...

<UNIDO pub>. <Final report> on the feasibility of setting up a low cost <vehicles> <assembling> and manufacturing plant in <Ethiopia> - covers (1) the <domestic market>; <production capacity> indicated to meet <demand> for <bicycles>, <motorcycles>, <animal power> carts, bicycle trailers and motorcycle attachments (three-wheelers) (2) <engineering design> and <choice of technology> (3) detailed <engineering> analysis (4) the proposed <factory>. <Recommendations>, <statistics>, <factory layout>, <flow chart>s. Additional references: <road transport>, <rural areas>, <components>, <equipment>, <financial aspects>. <Restricted>.

ENGL  
37.30

15580 1986

Marabet, A. Aziz

UNIDO

(R) INDIA. COMPUTER SIMULATION. PROJECT PLANNING, ANALYSIS, DESIGN AND SPECIFICATION. (MACHINE TOOL FACTORY). TECHNICAL REPORT.

DP/IND/82/019

Vienna, 1986. 52 p. tables, diagrams.

....

<UNIDO pub>. <Expert report> on assistance to a <technological institute> serving <machine tool industry> in <India>, with special reference to <computer-aided manufacture> - covers (1) imparting <knowhow> on <computer> simulation techniques for modelling and analysis of a manufacturing process (2) development of a general job-shop simulation model for a <machine tools> <factory> (3) selection of simulation languages and software packages for manufacturing systems. <Recommendations>, <bibliography>, <diagram>s. Additional references: <systems analysis>, <systems design>, <computer programmes>, <automation>. <Restricted>.

ENGL

22.10

15581

1986

Berezovsky, V. V.

Kriainin, M. I.

UNIDO

(R) STUDY ON THE IMPROVEMENT OF THE UNIDO COURSES PROGRAMME IN THE USSR FOR TRAINING ENGINEERING PERSONNEL FROM DEVELOPING COUNTRIES IN THE FIELD OF IRON AND STEEL INDUSTRY.

Vienna, 1986. 62 p

....

<UNIDO pub>. <Expert report> on improvement of <training programmes> in the <USSR> for <iron and steel industry> - covers (1) main <trends> in the industry; the <role of UNIDO> in augmenting relevant <skills> of <engineers> and other <technical personnel> from <developing countries> (2) a draft training programme for engineers in the field of <metallurgy> (3) a <meeting> for improvement of teaching techniques. <Recommendations>, workshop programmes. Additional references: <knowhow>, <training assistance> <Restricted>.

ENGL

36.10

15582

1986

Grover, Prem D.

UNIDO

(R) ETHIOPIA. DEMONSTRATION PROGRAMME ON USE OF INDIGENOUS BIOMASS RESOURCES FOR MEETING ENERGY NEEDS. (PHASE I). TECHNICAL REPORT.

RP/RAF/85/627

Vienna, 1986. xvii, 147 p. tables, diagrams, illus.

....

<UNIDO pub>. <Expert report> on the use of indigenous <biomass> materials as an <energy source> in <Ethiopia> - covers (1) development, demonstration and <testing> of small scale <charcoal> and <briquettes> production from biomass residues other than wood (2) development and testing of various domestic <cooking> <stoves> using <agricultural wastes> and forest residues as such or in the form of charred briquetted <fuel>. <Recommendations>, <statistics>, <diagram>s, illustrations. Additional references: <renewable

energy>, <equipment>, <kilns>, <development centre>. <Restricted>.  
ENGL  
34.10

15583 1986

Clarke, Arthur D.

UNIDO

(R) SAUDI ARABIA. TECHNICAL ASSISTANCE FOR DOWNSTREAM PETROCHEMICAL INDUSTRIES. TERMINAL REPORT.

SI/SAU/85/801

Vienna, 1986. 65 p. tables.

UNIDO-DP/10/SER.B/521

<UNIDO pub>. <Final report> on <plastics processing>, <synthetic rubber> and <synthetic fibres> industry in <Saudi Arabia> - covers (1) present operations of <factory>s, <product mix>, <economic aspects>, <development potential>, <import substitution> (2) need for a <plastics> <development centre> and <training> activities. <Recommendations>, <statistics>. Additional references: <building materials>, <packaging>, <equipment>, <tires>, <carpets>, <textiles>, <management>, <petrochemicals>. <Restricted>.

ENGL

35.10

15584 1985

Araya, Rodrigo

Crespo, Mariano

Echeverria, Pedro Luis

UNIDO

(R) VENEZUELA. POSIBILIDADES DE DESARROLLO DEL SECTOR DE MAQUINARIAS AUTOPROPULSADAS.

DC/VEN/80/003

Vienna, 1985. 91 p. tables.

.....

<UNIDO pub>. <Expert report> on potential production of <tractors> and other heavy-duty <motor vehicles> in <Venezuela> - covers (1) the <domestic market> for motorized <machinery>; <demand>; <domestic consumption>; projections to 1989 (2) <development potential> of the sector; present <imports> and possibilities of <import substitution>; project identification (3) existing <infrastructure>; <economic aspects> of relevant projects. <Statistics>. Additional references: <earthmoving machinery>, <hoisting machinery>, <building machinery>. <Restricted>.

SPAN

37.30

15585 1986

Banescu, Andrei

UNIDO

(R) PAKISTAN. REPORT ON PREVENTIVE MAINTENANCE OF CHEMICAL PLANTS EQUIPMENT.

DP/PAK/83/002

Vienna, 1986. 22 p. tables.

.....

<UNIDO pub>. <Expert report> on assistance in development of



preventive <maintenance and repair> in <chemical industry> in  
<Pakistan> - covers (1) assessment of <training> needs at various  
<factory>s; <training programmes>, <staff> and <equipment> at a  
<development centre> for preventive maintenance (2) training  
materials; planning for future activities (3) evaluation of  
maintenance <costs>. <Recommendations>, <statistics>. <Restricted>.

ENGL  
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15586 1986

UNIDO

REUNION D'EXPERTS DE HAUT NIVEAU PREPARATOIRE A LA DEUXIEME  
CONSULTATION SUR LA FORMATION DE LA MAIN D'OEUVRE INDUSTRIELLE,  
PARIS, 1986

RAPPORT DE LA REUNION SUR LA FORMATION DE LA MAIN D'OEUVRE  
INDUSTRIELLE.

- REPORT OF THE MEETING ON THE TRAINING OF INDUSTRIAL MANPOWER.

Vienna, 1986. 36 p

UNIDO-ID/WG.460/4

<UNIDO pub>. <Report> of a <meeting> on <training> of industrial  
<manpower> in <developing countries> - covers (1) development and  
use of <skilled workers> and <technicians> for <maintenance and  
repair> (2) improvement of <knowhow> and <skills> required for  
meeting the needs of <technological change>. <Recommendations>,  
<agenda>, <list of participants>, <list of documents>. Additional  
references: <industrial policy>, <role of UNIDO>, <technology  
transfer>, <DECD>.

FREN ENGL

12 4D

15587 1986

Brunner, E.

Bucek, J.

Bukowiecki, H.

Meisterhofer, H.G.

Rosati, Dariusz K.

UNIDO

(R) SYRIA. PREFEASIBILITY STUDY FOR THE PRODUCTION OF ALKYD RESIN, PVA  
DISPERSION AND PAINT. TERMINAL REPORT.

SI/SYR/84/802

Vienna, 1986. 152 p. tables.

UNIDO-DP/ID/SER.B/520

<UNIDO pub>. <Final report> on the feasibility of producing alkyd  
<resins>, <polyvinyl acetate> dispersion and <paints and varnishes>  
in <Syria> - covers (1) the viability of setting up a new <factory>  
to produce oil and emulsion paints and intermediate <raw material>  
(2) project background; <market> and <demand>; materials and  
inputs, location and <site assessment>; project <engineering>;  
<factory organization> and overhead <costs>; required <skills>,  
<manning table>s; implementation schedule (3) <capital investment>,  
<financing>, <Recommendations>, <statistics>. Additional  
references: <equipment>, <utilities>, <production costs>.  
<Restricted>.

ENGL  
35 80

15588

1986

Johannessen, Bjoern  
UNIDO

(R) MEETING WITH GOVERNMENTAL PERSONNEL IN VENEZUELA, EQUADOR,  
TRINIDAD AND SURINAME TO DISCUSS THE UNIDO/NORWAY MEETING ON  
OFFSHORE PETROLEUM PRODUCTION, TECHNIQUES AND EXPERIENCE  
Vienna 1986 49 p tables

<UNIDO pub> on discussions with officials in <Venezuela>,  
<Ecuador>, <Trinidad and Tobago> and <Suriname> regarding a  
<meeting> on offshore <petroleum industry> - covers (1) exchange of  
relevant information, the situation of oil industry and supply in  
these countries (2) <seabed> exploration; <choice of technology>;  
experience in <Norway> (3) <maintenance and repair>, <training  
assistance>, <legal aspects> <Statistics> <Restricted>

ENGL  
34 40

15589

1986

Campbell Bonnie K  
UNIDO

(R) BAUXITE BARGAINING THE CONSEQUENCES FOR A BAUXITE-PRODUCING  
COUNTRY OF THE RENEGOTIATION OF THE BAUXITE LEVY: THE EXAMPLE OF  
GUINEA  
Vienna 1986 v. 85 p tables, graphs, map

<UNIDO pub> <Expert report> on <economic implications> of  
<bauxite> export <taxation> in bauxite-producing countries, with  
special reference to the case of <Guinea> - covers (1) the process  
of accumulation of the <aluminium> branch and recent developments  
in the bauxite, <alumina> and <aluminium industry> on the <global  
level> (2) the production and <pricing> of bauxite (3) bauxite and  
alumina production in Guinea, the consequences of renegotiation of  
the bauxite <export> levy. <Statistics>, <maps>. Additional  
references <investment>, <tariff policy>, <transnational  
corporations> <Restricted>

ENGL  
36 20

15590

1985

Matten C J  
UNIDO

(R) THE DEVELOPMENT OF THE PRE-FABRICATED MODULAR WOODEN BRIDGE SYSTEM  
AND PRIORITIES FOR ITS FURTHER IMPLEMENTATION  
Vienna 1985 iii, 72 p diagrams

<UNIDO pub> <Expert report> concerning the pre-fabricated modular  
<wooden> <bridges> system applicable in <developing countries> -  
covers (1) the state of art of the system (2) <maintenance and  
repair> aspects, inspection (3) hand-over protocol (4) <quality  
control> considerations (5) system developments and extensions.  
<Diagrams>, note on relevant <meeting>. Additional references:  
<timber>, <testing>, <steel>, <standards>, <costs>. <Restricted>

ENGL

15591

1986

Sharma, Kapil D.

UNIDO

CUBA. DESIGNING AND EVALUATION OF GLASS CONTAINERS. TECHNICAL REPORT.  
DP/CUB/81/012

Vienna, 1986. 38 p. tables.

UNIDO-DP/ID/SER.A/699

<UNIDO pub>. <Expert report> on assistance to <laboratory>s in <Cuba>, regarding design and evaluation of <glass> <bottles> - covers (1) production and quality of glass <containers> in Cuba (2) <quality control> and <testing> in the <glass industry>; <chemical analysis> (3) setting up a laboratory: functions, <equipment>, books and periodicals (4) <product design> (5) returnability and <recycling> of glass containers. <Recommendations>, list of lectures delivered, list of factories visited.

ENGL

33.40

15592

1986

Rai-Choudhury, P.

UNIDO

INDIA. POWER SEMICONDUCTOR DEVICES FOR TRANSPORTATION EQUIPMENT (PART III). TECHNICAL REPORT.

DP/IND/84/015

Vienna, 1986. 7 p.

UNIDO-DP/ID/SER.A/702

<UNIDO pub>. <Expert report> on assistance in development of semiconductors devices and electronic sub-systems for electric <road transport> equipment in <India> - covers (1) <electric power> devices, issues of <transistors> design and specifications for a 15 HP AC motor drive (2) design and fabrication of Darlington transistors; materials and <equipment> (3) lectures given. <Recommendations>. Additional references: <electrical equipment>, <integrated circuits>, <alloys>.

ENGL

38.20

15593

1986

Miltz, Joseph

UNIDO

BRAZIL. FLEXIBLE PACKAGING MATERIALS. TECHNICAL REPORT

DP/BRA/82/030

Vienna, 1986. 11, 46 p. diagrams.

UNIDO-DP/ID/SER.A/700

<UNIDO pub>. <Expert report> on development of <food> <packaging> based on <plastics> in <Brazil> - covers (1) relevant assistance to <food technology> centre in Campinas, SP (2) <training programmes> conducted regarding structure, property and applications of plastic flexible materials, with attention to permeability, migration, mechanical, thermal and flow properties (3) projects being carried out, future activities; required <equipment> and books <Recommendations>, <bibliography>. Additional references.

<polyethylene>, <polypropylene>, <polystyrene>, <paper> <bags and sacks>.

ENGL  
27.30

15594  
UNIDO

1986

SOLIDARITY MINISTERIAL MEETING FOR CO-OPERATION IN THE INDUSTRIAL DEVELOPMENT OF THE REPUBLIC OF MALI, BAMAKO, MALI, 1986

GENERAL INFORMATION ON THE REPUBLIC OF MALI AND PROJECT PROPOSALS.

- DONNEES D'ENSEMBLE SUR LA REPUBLIQUE DU MALI ET PROPOSITIONS DE PROJETS.

- DATOS GENERALES SOBRE LA REPUBLICA DE MALI Y PROPUESTAS DE PROYECTOS.

Vienna, 1986. iv, 59 p. tables, map.

UNIDO-UNIDO/PC 140

<UNIDO pub> regarding <industrial development> in <Mali> - (1) gives general information on the <national economy>, the <manufacturing> sector, <industrialization policy>s and potential <TCDC> (2) proposed <industrial projects>; <training assistance>, <technical assistance>, <factory establishment>, <Statistics>, <maps>. Additional references: <trade>, <economic policy>, <South-South>, <China>.

ENGL FREN SPAN  
14.70

15595  
UNIDO

1986

UNITED REPUBLIC OF TANZANIA. INDUSTRIAL DEVELOPMENT REVIEW SERIES.

Vienna, 1986. xiv, 80 p. tables, graphs, map.

UNIDO-UNIDO/IS 628

<UNIDO pub> on <industrial development> in <Tanzania> - covers (1) <trend>s and structure of the <national economy> (2) structure and performance of the <manufacturing> sector; possible impact of an <IMF> stand-by agreement; growth and <structural change>; <productivity>, <export>s and <import>s; <investment> (3) <industrialization policy>, <planning>, the <institutional framework> (4) <raw material>s, <energy> resources, <investment policy>, financial resources, <foreign investment>, <financing>; the role of technical <cooperation>. <Statistics>, <bibliography>, <maps>. list of <industrial projects> of <UNIDO>.

ENGL  
14.60

15596  
UNIDO

1986

Horvath, Otto

UNIDO

VIETNAM. THE PRESENT SITUATION OF VIETNAMESE CANNING INDUSTRY AND CAN-MAKING FACILITIES.

DP/VIE/80/033

Vienna, 1986. 34 p. tables, diagrams.

UNIDO-DP/ID/SER A/701

<UNIDO pub> <Expert report> on the manufacture of <cans> in <Vietnam> - covers (1) the status of <canning> industry; <canned food> being produced (2) present status of sanitary can-making and

of <tin plate> lacquering; technical aspects of <coatings> and <coating process>; <quality control> requirements; <equipment>. <Recommendations>, <job description>, <diagram>s.

ENGL  
27.30

15597 1986

Collins, M.J.

UNIDO

EXPERT GROUP MEETING ON TIMBER CONSTRUCTION, VIENNA, 1985

LIGHT TIMBER FRAMING CODES FOR DEVELOPING COUNTRIES.

Vienna, 1986. 111, 20 p. diagrams.

UNIDO-ID/WG.447/15

<UNIDO pub> on development of light <timber> framing codes and <standards> for <construction industry> in <developing countries> - covers (1) <definition> of a light timber frame construction for <housing> (2) purpose, scope and basic requirements of a code (3) formulation of numerical requirements with respect to: <loading> and performance; strength properties of material; span tables; fastening systems (4) suggested procedure for formulating a new code. <Bibliography>, <diagram>s, <specifications>, construction guidelines for a single room dwelling. Additional references: <building design>, <wood technology>, <regulations>.

ENGL  
33.10

15598 1986

UNIDO

EXPERT GROUP MEETING ON TIMBER CONSTRUCTION, VIENNA, 1985

REPORT. (MEETING ON TIMBER CONSTRUCTION).

Vienna, 1986. 40 p.

UNIDO-ID/WG.447/17

<UNIDO pub>. <Report> of a <meeting> regarding <timber> <construction industry> - covers (1) background of the meeting (2) presentations and discussions concerning: stress <grading>, <wood preserving> and related <specifications>; international timber <engineering> code; timber framing code and <standards> for <developing countries>; roofing systems; standard designs; timber <bridges>; traditional <building design> for <housing>; promotion needs. <Recommendations>, <agenda>, <list of participants>, <list of documents>. Additional reference: <wood technology>.

ENGL  
33.10

15599 1986

Nijhawan, B.R.

UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986

GLOBAL IRON AND STEEL INDUSTRY - SOME REFLECTIONS AND PROJECTIONS.

Vienna, 1986. 21 p. tables, graphs.

UNIDO-ID/WG.458/15

<UNIDO pub> on <global level> <trend>s and development patterns in the <iron and steel industry> - covers (1) growth changes since 1974, affecting <developing countries> and <developed countries>

(2) world raw <steel> production (3) <capital investment> (4) the situation in <Japan>, <Korea R>, <Latin America> (5) installed steel <production capacity>; top steelmakers in 1985. <Statistics>, conclusions. Additional reference: <projection>.

ENGL  
36.10

15600 1985

Reralio, Pedro M.

UNIDO

EXPERT GROUP MEETING ON TIMBER CONSTRUCTION, VIENNA, 1985

TIMBER FOR LOW COST HOUSING IN THE PHILIPPINES.

Vienna, 1986. 67 p. diagrams.

UNIDO-ID/WG.447/16

<UNIDO pub> on <timber> <housing> construction in the <Philippines> - covers (1) traditional houses inspiring present-day <building design> (2) modified and simplified shelter design developed to meet difficult <economic conditions> (3) use of <tropical timber>, <bamboo> and other <building materials> in three major shelter projects (4) climatic factors, earthquakes (5) <legislation> and <regulations> concerning <construction industry>; <standards>. <Diagram>s. Additional references: <prefabricated building>, <wood technology>, <social aspects>, <costs>.

ENGL  
33.10

15601 1986

Smith, P. R.

UNIDO

CHILE. COMPUTER-AIDED ENGINEERING EDUCATION FOR ELECTRIC POWER SYSTEMS. TECHNICAL REPORT.

DP/CHI/84/008

Vienna, 1986. 8 p.

UNIDO-DP/ID/SER.A/704

<UNIDO pub>. <Expert report> on assistance to <computer> aided <technical education> for <electric power> systems in <Chile> - covers (1) <training programmes> on (a) <computer-aided design> and <engineering> education (b) development of a computer-based learning service (2) visits to universities and computer centres (3) seminars held. <Recommendations>. Additional reference: <computer programmes>.

ENGL  
26.10

15602 1986

UNIDO

UNEP

ENVIRONMENTAL MANAGEMENT IN THE IRON AND STEEL INDUSTRY. SECTORAL WORKING PAPER NO 50.

Vienna, 1986. 46 p. tables, graphs, diagram.

UNIDO-UNIDO/IS.635

<UNIDO pub> on <environment>al management in the <iron and steel industry> - covers (1) <pollution control> as an essential concern in <industrialization>; the role of <UNEP> (2) production processes

and the structure of iron and steel industry (3) environmental problems in the industry; sources of <pollutants> (4) <environmental engineering> and <management> in <factory establishment>; <site assessment> (5) recently developed control measures. <Recommendations>, <bibliography>, <statistics>, <flow chart>. Additional references: <recycling>, <waste disposal>.

ENGL  
36.10

15603 1986

Wong, John

UNIDO

REGIONAL INDUSTRIAL CO-OPERATION: EXPERIENCES AND PERSPECTIVE OF ASEAN AND THE ANDEAN PACT.

- COOPERACION INDUSTRIAL REGIONAL: EXPERIENCIA Y PERSPECTIVAS DE LA ASEAN Y DEL PACTO ANDINO.

Vienna, 1986. xi, 98 p. tables, diagrams.

UNIDO-ID/309

UN-E.85.II.B.5

<UNIDO pub> on <regional cooperation> in the area of industry, with special reference to the experiences of <ASEAN> and of the <Andean group> - covers (1) the relevant <institutional framework>; <trade> and <industrial development>; <trade liberalization>; <industrialization policy>s, <foreign investment>; <tariff policy>s, <technology transfer>; <financing>; <TCDC>, <economic integration> (2) prospects; implications for other <developing countries>; proposals for action and further studies. <Statistics>, <diagram>s.

ENGL SPAN

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15604 1986

Locke, Brian

UNIDO

(R) INDIA APPROACHES TO MITIGATING THE EFFECTS OF THE HIGH ASH CONTENT OF COAL, AND TO INCREASING THE EFFICIENCY OF ENERGY USE  
TECHNICAL REPORT.

DP/IND/84/020

Vienna, 1986. 77 p. tables, diagrams.

<UNIDO pub>. <Expert report> on assistance to <cement industry> in <India>, with special reference to use of low grade <coal> <fuel> and <energy saving> - covers (1) <gasification>, coal beneficiation, <oxygen> enrichment, coal combustion technology, use of <lignite> (2) coal <blending>, crushing, <grinding>, slurry process, cyclonic combustion; energy audit and monitoring, coal <supply> (3) problems of using high ash coals; visit to <factory>s; experience in <UK>. <Recommendations>, <bibliography>, process <statistics>. <Restricted>.

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33.20

15605 1986

UNIDO

ADVANCES IN MATERIALS TECHNOLOGY MONITOR. ISSUE NUMBER 6  
Vienna, 1986. 38 p. tables.

||||

<UNIDO pub> giving information on the <technology> of <new materials>, with special reference to <plastics> - covers (1) plastics with extraordinary properties (2) major polymers and their <industrial application> (3) the role of UNIDO's <technical assistance> (4) <engineering> plastics (5) advanced fibre reinforced plastics; <resins> (6) <trends> in <developed countries>, <packaging>; <building materials>, medical applications, <automobile industry> (7) <market> trends <Bibliography>. Additional references. <synthetic fibres>, <fibreglass>.

ENGL  
35 70

15606

Novak, Robert

UNIDO

(R) REPROGRAMMING OF COMFAR 2.0 TO COMFAR 2.1 DURING JULY TO SEPTEMBER  
1986. FINAL REPORT

Vienna, 1986. 33 p

<UNIDO pub> <Final report> on modification of COMFAR (UNIDO model and <computer programmes> for project feasibility study and reporting) - covers reprogramming to allow for easy and quick translation of the dialogue appearing on the screen and of outputs into various languages. Additional reference <electronic data processing> <Restricted>

ENGL  
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15607

1986

Williams, Theodore J

UNIDO

(R) INDIA REVIEW OF THE APPROPRIATE AUTOMATION PROMOTION PROGRAMME  
AND RELATED AUTOMATION DEVELOPMENT ACTIVITIES TECHNICAL REPORT  
DP/IND/82/034

Vienna, 1986. 24 p

<UNIDO pub>. <Expert report> on assistance to an <automation> promotion programme in <India>, with special reference to <process control> systems for <iron and steel industry> - covers (1) status of the project; identification of <computer> and control systems development companies potentially interested in <cooperation>, advising on future activities and <training programmes> (2) assistance in selecting an appropriate <contract> or for relevant <engineering> <management>. <Recommendations>. Additional reference: <computer-aided manufacture>. <Restricted>.

ENGL  
24 30

15608

1986



Andriška, Viktor

UNIDO

(R) REPORT OF MISSION TO COLLECT DATA ON MULTINATIONAL CHEMICAL COMPANIES

Vienna, 1986. 17 p.

....

<UNIDO pub> <Expert report> concerning operations of <transnational corporations> in the field of <pesticides> production - covers (1) organization and <product mix> of Imperial Chemical Industries in <UK>; manufacture of plant protection agents; <export> activities; <research and development>. ICI's role in <Finland> (3) agricultural products of Union Carbide. <Switzerland>. Additional reference: <chemical industry> <Restricted>

ENGL

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15609

1986

Grof, Tamas

UNIDO

TECHNOLOGICAL ALTERNATIVES FOR THE FABRICATION OF SEMI-FINISHED AND FINISHED PRODUCTS OF COPPER

Vienna, 1986. 97 p. tables, diagrams, illus

....

<UNIDO pub> on <choice of technology> for the fabrication of <copper> products - covers (1) changing <trends of copper consumption>; substitution and <technological change> (2) manufacture of (a) copper <wire> rod (b) copper and copper <alloys> <metal sheet> and strip (c) copper and copper alloy tubes, rods, and wires (3) main fields of research. <Bibliography>, <diagrams>, illustrations. Additional references: <metal products>, <casting>, <rolling>, annealing, <metal drawing>, <extruding>, <semimanufactured products>, <finished products>.

ENGL

36 20

15610

1986

Jacobsen, Arne

UNIDO

(R) THAILAND. COMPUTER REQUIREMENTS FOR OFFICE OF THE EASTERN SEABOARD DEVELOPMENT COMMITTEE. NESDB-BANGKOK.

SI/THA/85/802

Vienna, 1986. 1 vol. (various pagings). tables, diagrams

....

<UNIDO pub>. <Final report> concerning <computer> requirements at a <development centre> (OESB) in <Thailand> - covers (1) identification and definition of needs in <electronic data processing> for purposes of <regional planning>; proposals regarding systems, <systems design> and <computer programmes> (2) advice on acquiring appropriate computer hardware and software (3) advising on <consulting>, <training> and other requirements to assure effective operation and use of computer systems. Tables, <diagrams>. Additional references: <data base>s, <information technology>. <Restricted>

ENGL

15611

1986

Gunasinghe, P.A.T

Heep, Hans

Sundaram, S

UNIDO

(R) SRI LANKA ESTABLISHMENT OF A TEXTILE TRAINING AND SERVICE CENTRE. REPORT OF THE EVALUATION MISSION

DP/SRL/79/054

Vienna, 1986 45 p. diagrams

UNIDO-DP/ID/SER.C/5

<UNIDO pub>. <Mission report> evaluating a project for establishing a <training centre> for <textile industry> in <Sri Lanka> - covers (1) objectives and <economic aspects> of the project, <project design> (2) <project implementation> (3) project results, outputs; achievement of objectives. <Recommendations>, <diagram>s. Additional references: <industrial services>, <pilot plant>, <quality control>, <maintenance and repair>. <Restricted>

ENGL

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15612

1986

Popovic, D

UNIDO

(R) INDIA APPROPRIATE AUTOMATION PROMOTION PROGRAMME AND MICROPROCESSOR APPLICATION ENGINEERING PROGRAMME. TECHNICAL REPORT

DP/IND/82/034

DP/IND/84/030

Vienna, 1986 13 p

<UNIDO pub> <Expert report> on assistance to an <automation> <development centre> in <India>, with special reference to <computer-aided manufacture> - covers (1) visit to the project centre in New Delhi; project activities; lectures in <models> building and simulation of industrial processes in <iron and steel industry> (2) procurement of <equipment> and <instruments>. <Recommendations>. Additional references: <process control>, <computer programmes>, <engineering>. <Restricted>.

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15613

1986

Dichter, D

UNIDO

(R) REPORT ON THE FIRST GHANA INDUSTRY AND TECHNOLOGY FAIR INDUTECH

86

UC/GHA/85/248

Vienna, 1986 19 p

<UNIDO pub> <Expert report> of an industrial <trade fair> in <Ghana> - covers (1) background of the industry and technology fair held in 1986 including UNIDO assistance; <organizational aspects>; domestic and foreign participation (2) interviews with exhibitors;

comments (3) the role of Ghana's <research centres> in  
<commercialization> of <prototype> <technology>. <Restricted>

ENGL  
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15614

1986

UNIDO

STONE & WEBSTER ENGINEERING, BOSTON

(R) INDIA. MODERNIZATION OF PYROLYSIS PROCESS ENGINEERING

DESIGN/CONSULTANCY SERVICES. FINAL REPORT

DP/IND/78/054

Vienna, 1986. 1 vol. (various pagings). tables, graphs

<UNIDO pub> <Final report> on assistance in modernizing  
<pyrolysis> process engineering for various <hydrocarbons> in  
<India> - (1) covers yields and anticipated run lengths for each  
hydrocarbon conversion level, taking into consideration the  
relevant furnace coil configuration and process conditions (2)  
gives computer simulations based on cracking data regarding ethane,  
propane, butane, <gas> mixtures and <naphtha> (3) interprets  
simulated data and gives information permitting optimization of  
radiant coil performance. Process <statistics>. Additional  
references <engineering> <process control>, <systems design>  
<Restricted>

ENGL  
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15615

1986

Arndt, Heinz W.

UNIDO

INDUSTRIAL POLICY IN EAST ASIA 1950-1985

Vienna, 1986. xv, 83 p. tables, graph

UNIDO-UNIDO IS 636

<UNIDO pub> on <industrial policy> in eight developing <market  
economy> countries in the <Far East> and <South East Asia> - covers  
(1) policy objectives (2) <industrialization> in <Singapore>, <Hong  
Kong>, Taiwan Province, <Korea R>, <Malaysia>, <Thailand>  
<Philippines> and <Indonesia>. <statistical analysis> (3)  
preconditions, historical, cultural and <political aspects>, the  
external environment (4) <government policy>, <macroeconomics>  
framework, from <import substitution> to <export oriented  
industry>, <structural change>s and adjustment (5) future prospects  
and policies (6) scope for <ECDC> and <TCDC>. <Statistics>  
<bibliography>

ENGL  
14 60

15616

1986

Bassett, Antoine V.

UNIDO

(R) BARBADOS. SHORT APPRAISAL OF THE POTENTIAL FOR EXPORT OF WOODEN  
FURNITURE FROM BARBADOS. TECHNICAL REPORT

Vienna, 1986. 33 p.

UNIDO-UNIDO IO/R 237

<UNIDO pub> <Mission report> concerning the <export> potential for <wood>en <furniture> manufactured in <Barbados> - covers (1) current situation of the industry (2) findings based on visits to four <factory>s, with reference to <management>, <factory organization> and <equipment>, <human resources>, <wood technology>, <raw material> <supply>, <choice of product>, and <marketing> (3) proposals regarding <technical assistance> <Questionnaire> <Restricted>.

ENGL  
32 20

15617 1986

Ericksen, Harald M  
UNIDO

(R) BOLIVIA, TERCERA MISION PARA LA INTRODUCCION DE UN SISTEMA DE PUNTES MODULARES DE MADERA INFORME INTERMEDIO

US/BOL/84/206

Vienna, 1986 iv, 20 p diagram, illus

UNIDO-UNIDO/IO/R 236

<UNIDO pub> <Expert report> on assistance in promoting construction of modular <wood>en <bridges> in <Bolivia> - covers (1) project background and activities (2) <costs> of bridges constructed according to the UNIDO system (3) <tropical timber> used, metal parts, technical aspects of construction and emplacement (4) future project activities <Diagram>, <illustrations> Additional references <components>, <tree species> <Restricted>.

SPAN  
39 20

15618 1986

Ba' Ergun  
Bertsch, Heinz  
de Groot, Adrie  
UNIDO

(R) TURKEY, EXTENSION SERVICES FOR SMALL INDUSTRY REPORT OF THE EVALUATION MISSION

DP TUR 80/010

Vienna, 1986 47 p diagram

UNIDO-DP/ID/SER C/7

<UNIDO pub> <Mission report> on evaluation of a project promoting industrial extension services to <small scale industry> in <Turkey> - covers (1) objectives of the project <social aspects>, <economic aspects>, the <institutional framework>, project design (2) delivery of inputs, implementation of activities (3) project results, activities of the Gaziantep <regional development> centre, the Ankara <foundry> <development centre>, and of other <consulting> centres <Recommendations>, <diagram> Additional references <industrial services>, <quality control>, <skills>, <management development> <Restricted>.

ENGL  
14 70

15619 1986

Kovalenko, L.V.  
Perlov, N.I.  
Sklokin, N.F.  
UNIDO

CONSULTATION ON THE IRON AND STEEL INDUSTRY, 4TH, VIENNA, 1986  
STUDY OF AN INTEGRATED DEVELOPMENT OF THE IRON AND STEEL AND CAPITAL  
GOODS INDUSTRIES.

Vienna, 1986. 33 p. tables.

UNIDO-ID/WG.458/16

<UNIDO pub> on integrated development of <iron and steel industry>  
& <capital goods> industries in <developing countries> - covers  
(1) inter-sectoral relations of the ferrous <metallurgy> industries  
in DCs; <economic implications> of <interindustry relations>;  
<development potential> (2) determining <demand> in <metals>  
production; <production capacity>; quality aspects (3)  
<forecasting> <technological change>; <methodology>; <models>;  
<information processing> (4) prospective development of total  
metallurgical cycle processes in DCs. <Bibliography>.

ENGL  
36 10

15620 1986

Zoidl, Hermann

UNIDO

SEYCHELLES. INVESTIGATIONS FOR THE DEVELOPMENT OF ENVIRONMENTALLY  
ACCEPTABLE WAYS TO DISPOSE AND REUSE USED OILS. TECHNICAL REPORT.  
SI/SEY/84/801

Vienna, 1986. viii, 63 p. tables, map, diagrams.

UNIDO-DP/ID/SER.A/705

<UNIDO pub>. <Expert report> regarding <waste disposal> and  
<recycling> of <used oils> in the <Seychelles>, with special  
reference to <pollution control> - covers (1) facts and figures of  
waste oil in Seychelles: sources, quantities, disposal practices,  
existing <regulations> (2) types of <pollutants> found in waste  
oil, results of <chemical analysis> (3) establishing waste oil  
collection system (4) <choice of technology> for recycling (5)  
<equipment> and estimated <equipment costs> for waste oil  
incineration. <Bibliography>, <diagram>s, <statistics>, <maps>.  
text of relevant <legislation> in <Germany FR>. Additional  
references: <lubricants>, <environment>.

ENGL  
34 40

15621 1986

Latishev, V.P.

UNIDO

(R) MONGOLIA ASSISTANCE IN MODERNIZATION OF MEAT STORAGE THROUGH  
FREEZE-DRYING TECHNOLOGY. TECHNICAL REPORT.

SI/MON/85/801

Vienna, 1986. 56 p. tables, graph, diagrams.

<UNIDO pub>. <Expert report> on assistance in modernizing <meat>  
storage through <freeze drying> technology in <Mongolia PR> -  
covers (1) improvement of <freezing> <equipment>, <testing> units;  
<training> of <technical personnel> (2) project background and  
objectives (3) technical aspects of <food storage> and

<refrigeration>, <Recommendations>, <diagram>s. Additional references: <food technology>, <controlled atmosphere>, <Restricted>.

RUSS  
31.40

15622 1986  
UNIDO  
INFORMAL UNIDO/WHO/UNEP WORKING GROUP ON BIOTECHNOLOGY SAFETY, VIENNA, 1986

REPORT. (WORKING GROUP ON BIOTECHNOLOGY SAFETY).

Vienna, 1986. 19 p.

UNIDO-ID/WG.463/3

<UNIDO pub>. <Report> of a <meeting> on <health>, <environment>al and <industrial safety> aspects of <biotechnology> - covers (1) relevant concepts and positions of <UNIDO>, <WHO> and <UNEP> (2) risks and <regulations> pertaining to <laboratory> work and to large scale biotechnology processes (3) risks of environmental applications (4) elements for construction of minimal guidelines. <Recommendations>, <agenda>, <list of participants>, <list of documents>. Additional references: <genetic engineering>, <product safety>, <toxicity>, <research>, <developing countries>.

ENGL  
35.50

15623 1986  
UNIDO  
WORKSHOP ON CO-OPERATION AMONG DEVELOPING COUNTRIES IN THE FIELD OF CEMENT, LIME AND RELATED INDUSTRIES, BANGKOK, 1986  
UNIDO'S PROGRAMME TO PROMOTE ECONOMIC AND TECHNICAL CO-OPERATION AMONG DEVELOPING COUNTRIES

Vienna, 1986. 9 p.

UNIDO-PPD 1

<UNIDO pub> on the <role of UNIDO> in promotion of <ECDC> and <TCDC> - covers (1) justification and principal guidelines for these forms of <cooperation> among <developing countries> (2) UNIDO's activities for promotion and implementation (3) criteria and resources for ECDC and TCDC <project implementation> (4) scope for ECDC and TCDC in the <industrial sector>. Additional references: <technology transfer>, <training>, <management>, <least developed countries>

ENGL  
15.20

15624 1986  
Englethaler, Zdenek A.  
UNIDO  
(R) SRI LANKA. MANAGEMENT OF CERAMIC RESEARCH. TECHNICAL REPORT. US/SRL/78/207

Vienna, 1986. 58 p. tables

UNIDO-UNIDO/10/R.238

<UNIDO pub> <Expert report> on assistance to a <ceramics> <research centre> in <Sri Lanka> - covers (1) advice given on effective <management> of a <laboratory> and <research programmes>

(2) the present situation of the laboratory and <ceramics industry>; proposed projects; research priorities (3) <case study>s of relevant research. <Recommendations> Additional references <sanitary wares>, <glazing>, <nonmetallic minerals>, <Restricted>.

ENGL  
33 30

15625 1986

UNIDO

EGYPT INDUSTRIAL DEVELOPMENT REVIEW SERIES

Vienna, 1986 xii, 82 p tables, graphs

UNIDO-UNIDO/IS 637

<UNIDO pub> reviewing <industrial development> in <Egypt> - covers (1) <economic conditions>, <trend>s and structure (2) the <manufacturing> sector: growth and <structural change>, <productivity>, <export>s and <import>s, ownership and <investment> patterns, <size of enterprise>s, etc (3) <industrialization policy>, <industrial planning>, the <institutional framework> (4) resources for industrial development <Statistics>, <bibliography>, list of <industrial project> proposals Additional references <foreign investment>, <legislation>, <manpower>, <financing>, <cooperation>, <agriculture>, <energy>

ENGL  
14 60

15626 1986

Sigurdson, Jon

Tagerud, Jael

UNIDO

TECHNOLOGY TRENDS SERIES NO 2 SELECTED ASPECTS OF MICROELECTRONICS

TECHNOLOGY AND APPLICATIONS. NUMERICALLY CONTROLLED MACHINE TOOLS.

Vienna, 1986 iii, 79 p tables, diagrams

UNIDO-UNIDO/IS 632

<UNIDO pub> regarding <machine tools> with <automatic control> (reference <microelectronics>) - covers (1) numerical control (NC) machine tool perspectives, <definition> of NC flexible manufacturing systems, <robots> and their <industrial application>, <research and development>, sensors (2) experience in developing a capability in NC machine tools (3) policy issues (4) procedures for retrieval of relevant <documentation> from <data base>s <Diagram>s, <statistics>, <bibliography> Additional references: <electronic equipment>, <computer-aided manufacture>.

ENGL  
37 10

15627 1986

Vandersluis, M

UNIDO

BULGARIA COMPUTER AIDED DESIGN (PART II) TECHNICAL REPORT

DP/BUL/81/009

Vienna, 1986 19 p

UNIDO-DP/ID/SER A/706

<UNIDO pub> <Expert report> on <training assistance> in <computer-aided design> in <Bulgaria> - covers (1) <training programmes>

organized for staff of a CAD <laboratory> with attention to CAD products, international <standards>, software portability, graphics system, <data base> design, large software projects, software development procedure, and future <trend>s in CAD (2) seminars held in Varna and Sofia; observations, <Recommendations>. Additional reference <computer programmes>.

ENGL  
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15628 1986

UNIDO

TECHNOLOGICAL ADVANCES AND DEVELOPMENT: THE ROLE OF UNIDO.

Vienna, 1986 11, 18 p. tables.

UNIDO-UNIDO/IS 639

<UNIDO pub> on the <role of UNIDO> in the application of <advanced technology> for development - covers (1) UNIDO's approach in this area (2) UNIDO activities of particular relevance to alerting <developing countries> to technological developments. Annexes a select <bibliography> of UNIDO documents and an illustrative list of UNIDO activities

ENGL  
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15629 1984

UNIDO

CONSULTATION ON THE FERTILIZER INDUSTRY, 4TH, NEW DELHI, 1984

DRAFT DIRECTORY OF TECHNOLOGICAL CAPABILITIES IN DEVELOPING COUNTRIES RELATED TO THE FERTILIZER INDUSTRY.

Vienna 1984 175 p tables

UNIDO-UNIDO/PC 89

<UNIDO pub> <Directory> of <industrial institutions> concerned with the <fertilizer industry> in <developing countries> - contains country data sheets listing <industrial information> on: <training centres>, <equipment>; <raw materials (<ammonia>, <urea>, <phosphoric acid>). <technology>cal capabilities.

ENGL  
35 40

15630 1986

Kantha, M S

UNIDO

A COMPENDIUM OF TECHNOLOGY PLANS AND POLICIES IN SELECTED DEVELOPING COUNTRIES

Vienna 1986 96 p tables

UNIDO-UNIDO/IS 641

<UNIDO pub> giving an outline of <technology policy>s and plans in ten <developing countries> - covers: <science> and <technology> <infrastructure>, <technology transfer>, <training>, relevant <financing>, <technical information>, <research and development> and its linkage to the <industrial sector> in <Brazil>, <Cameroon>, <Ghana>, <India>, <Indonesia>, <Ivory Coast>, <Kenya>, <Korea R>, <Mexico>, and <Turkey>. <Bibliography>, <list of documents>. Additional references: <institutional framework>, international <cooperation>, <planning>.



ENGL  
24.30

15631 1986  
Wang Wanjun  
UNIDO  
CONSULTATION ON THE AGRICULTURAL MACHINERY INDUSTRY, 3RD, BELGRADE,  
1986  
REFERENCE GUIDELINES FOR ESTABLISHING MULTI-PURPOSE AGRICULTURAL  
MACHINERY PLANTS.  
Vienna, 1986. 62 p. tables, diagrams.  
UNIDO-ID/WG.462/4

<UNIDO pub>. Guidelines for setting up multi-purpose <agricultural  
machinery> plants in <developing countries> (reference: <factory  
establishment>) - covers (1) clarification of the "multi-purpose"  
concept (2) <choice of product>, <product development> (3)  
production, <factory organization>, <management>, <technology>,  
<standardization>, <quality control>, servicing (4) <factory  
layout> and upgrading of existing plants (5) proposals for a  
<development centre> offering <training>, <industrial extension>  
and <marketing> as well as technical <common services> (6)  
international <cooperation> (7) <planning> for a <medium scale  
industry> and for a <small scale industry>. <Statistics>,  
<diagram>s.

ENGL  
37.20

15632 1986  
Spence, Robin  
UNIDO  
LIME IN INDUSTRIAL DEVELOPMENT: A DIRECTORY OF ORGANIZATIONS AND A  
BIBLIOGRAPHY. SECTORAL STUDIES SERIES NO.18, VOLUME II.  
Vienna, 1986. ii, 43 p.  
UNIDO-UNIDO/IS.555/Add.1

<UNIDO pub>. <Directory> of <research centre>s, equipment  
suppliers, consultancy services and other institutions dealing with  
<lime> production and use - includes an extensive <bibliography>.

ENGL  
33.20

15633 1986  
Milocco, N.A.  
UNIDO  
CHAD. REHABILITATION DE LA CARRIERE DES GRANULATS DE MANI. RAPPORT  
TECHNIQUE.  
DP/CHD/83/007  
Vienna, 1986. 99 p. tables, diagrams, illus.  
UNIDO-DP/ID/SER A/708

<UNIDO pub>. <Expert report> concerning rehabilitation of a quarry  
producing <stone> <building materials> in <Chad> - covers (1)  
present condition of the quarry and the <factory> processing  
volcanic rhyolite rock into gravel used in <housing> and <road  
construction> (2) information about relevant <US AID> project (3)  
plans regarding a supplementary UNIDO project of <technical

assistance> (4) technical advice regarding quarry operations;  
<skilled workers>; <earthmoving machinery> and other <equipment>  
(5) prospecting for <mineral resources> and <mining> possibilities  
for <construction industry>. <Recommendations>, <bibliography>,  
equipment lists, <diagram>s, illustrations.

FREN  
33.20

15634 1986

Wightman, Eric J.

UNIDO

TECHNOLOGICAL REQUIREMENTS FOR THE MACHINE TOOL INDUSTRY IN DEVELOPING  
COUNTRIES. SECTORAL WORKING PAPER SERIES NO. 51.

Vienna, 1986. v, 71 p. diagrams, graphs.

UNIDO-UNIDO/IS 642

<UNIDO pub> on <technology> for the <machine tool industry> in  
<developing countries> - covers (1) <definition>s and main  
characteristics of the industry (2) technological requirements in  
DCs for entry into the machine tool industry or for upgrading  
existing <factory>s (3) possibilities of such upgrading.  
<Diagram>s, <flow chart>s. Additional references: <machining>,  
<skills>, <training>, <economic aspects>, <costs>, <choice of  
technology>, <computer-aided design>, <automatic control>.

ENGL  
37.10

15635 1986

Balesubramaniam, S.

UNIDO

(R) TRANSFER OF TECHNOLOGY FOR THE GENETIC IMPROVEMENT OF MEDICINAL  
PLANTS.

Vienna, 1986. 9 p.

::::

<UNIDO pub>. <Expert report> on <genetic engineering> with regard  
to <medicinal plants> - covers (1) compiling and updating  
information on medicinal plants (2) collection, maintenance and  
long term preservation of their genetic diversity (3) selection and  
conventional breeding of a priority list of plants (4) mutation and  
ploidy breeding (5) in vitro culture techniques and  
micropropagation of genetically improved plants (6) protoplast  
fusion and recombinant DNA transfer techniques. <Recommendations>,  
<bibliography>. Additional references: <microbiology>, <technology  
transfer>, <research programmes>. <Restricted>

ENGL  
31.10

15636 1986

Pryor-Varon, Alfonso

UNIDO

(R) LA INDUSTRIA NO FERROSA EN VENEZUELA.

Vienna, 1986. 73 p. tables, graphs, maps.

::::

<UNIDO pub>. <Expert report> concerning <aluminium industry> in  
<Venezuela> - covers (1) background of <nonferrous metals>

industry; production of <aluminium> (2) technical and <economic aspects>; existing <industrial enterprise>s; <development potential> of aluminium processing; <metal products> (3) <financial aspects>; the <export> <market>; <development policy> (4) indicated strategy; <cooperation>; <industrial project>s; <legal aspects>; <foreign investment>; <working conditions>. <Statistics>, <flow chart>, <maps>. Additional reference: <bauxite>. <Restricted>.

SPAN  
36 10

15637 1986

Datay, G. W.  
UNIDO

(R) SRI LANKA. REPORT ON APPLICATION OF STATISTICAL METHODS IN STANDARDIZATION AND INDUSTRY.

DP/SRL/82/003

Vienna, 1986. 13 p. tables.

<UNIDO pub>. <Expert report> on assistance in the use of <statistical analysis> in <standardization> and industry in <Sri Lanka> - covers (1) activities of the Sri Lanka <standards institute> (2) defining areas of assistance to <industrial enterprise>s, with special attention to sampling inspection schemes and <quality control> (3) advising on <staff> needs (4) visits to <factory>s (5) <training programmes> conducted. <Recommendations>. Additional reference: <electronic data processing>. <Restricted>.

ENGL  
25 50

15638 1985

Jeyasingam, T.  
UNIDO

KENYA. ASSISTANCE TO THE MINISTRY OF INDUSTRY. DEVELOPMENT OF THE PULP AND PAPER INDUSTRY IN KENYA. TECHNICAL REPORT. PART V: REPORT ON THE FEASIBILITY OF PRODUCING HAND-MADE PAPER (SPECIALITY GRADES) FROM COTTON WASTE IN KENYA.

DP/KEN/80/001

Vienna, 1985. 15 p.

UNIDO-DP/ID/SER A/629

UNIDO-DP/ID/SER A/629/Add 4

<UNIDO pub>. <Expert report> on the development of the <pulp and paper industry> in <Kenya> with special reference to feasibility of producing hand-made <paper> from <cotton> waste - covers: types of paper; <market> considerations; <location> of industry; and <production capacity>; <natural fibres>; <raw material>s; manufacturing process; <production costs>; <capital costs>. <Recommendations>.

ENGL  
32 10

15639 1986

Throm, Richard  
UNIDO

(R) REPORT OF TRAVEL TO SRI LANKA. (SEAFOOD PROCESSING).

DP/SRL/82/003

Vienna, 1986. 1 vol. (various pagings). tables, illus.

....

<UNIDO pub>. <Mission report> on assistance to <quality control> in <fishery product processing> in <Sri Lanka> - covers (1) <training> for officers of the Sri Lanka <standards institute> in inspectional and <testing> techniques and in organoleptic assessment of seafood products (2) study of a registration scheme for processing <factory>s; improvement of registration procedures. <Recommendations>. <questionnaire>, illustrations. Additional references: <food technology>, <shellfish>, <grading>. <Restricted>.

ENGL

31.40

15640

1985

Rouillard, J.

UNIDO

SEMINAR ON FURNITURE AND JOINERY INDUSTRIES, REDUIT, MAURITIUS, 1984  
PROPERTIES AND APPLICATION OF PAINTS AND VARNISHES USED IN THE  
FURNITURE INDUSTRY.

Vienna, 1985. 101 p. tables, diagrams, illus.

UNIDO-ID/WG 426/6

UNIDO-ID/WG.426/6/Rev.1

<UNIDO pub> on <paints and varnishes> used in the <furniture> industry - covers (1) relevant <building materials>: <wood> and derivatives (<plywood>, <particle board>); galvanized and <phosphate>d <steel>; <aluminium>; <fibreglass> (2) <humidity> transfer (3) <wood preserving> (4) methods to improve <fire retardant>s. <Statistics>. Additional references: <wood processing>, <wood technology>, <equipment>, <coatings>, <coating process>, <solvent>s, <pigments>, <drying>, <chemicals>, <toxicity>, <industrial safety>.

ENGL

35.80

15641

1986

Zhu, Zhonglin

UNIDO

(R) BANGLADESH. RICE BRAN OIL EXTRACTION PLANT, DHAKA. TERMINAL REPORT.  
CD/BGD/81/003

UD/BGD/78/003

Vienna, 1986. 47 p. tables.

....

<UNIDO pub>. <Final report> regarding assistance to a <rice bran> <vegetable oils> extraction plant in <Bangladesh> - covers (1) <machinery>, <equipment> and <spare parts> supplied by the <China> National Complete Plant Export Corporation; project activities and review (2) technical supervision, trial run inspection; production problems; improvement of product quality (3) rules of operation for the various technical processes; <specifications>; <testing>. <Recommendations>. Additional references: <industrial safety>, <factory organization> <Restricted>.

ENGL

31.70

15642

1985

UNIDO

MEETING OF HEADS OF TECHNOLOGY TRANSFER REGISTRIES, 10TH, CAIRO, 1985  
TRENDS IN REGIONAL INFORMATION EXCHANGE.

Vienna, 1985. 7 p.

UNIDO-ID/WG.454/4

<UNIDO pub> on <information exchange> serving <technology transfer>  
- covers the <TIES> <global level> network; cooperation with the  
Technological Information Network of <Latin America> (RITLA);  
<international> and <regional cooperation> in information exchange  
with reference to <Africa> n countries and <ASEAN>; <role of UNIDO>.  
Additional references: <electronic data processing>, <computer  
programmes>, <information system>.

ENGL

24.30

15643

1985

UNIDO

MEETING OF HEADS OF TECHNOLOGY TRANSFER REGISTRIES, 10TH, CAIRO, 1985  
TIES PROGRESS REPORT (MEETING ON TRANSFER REGISTRIES).

Vienna, 1985. 12 p.

UNIDO-ID/WG.454/2

<UNIDO pub> on <information exchange> with special emphasis on  
progress of <TIES> - covers current status, <data collecting> on  
royalty rates level of foreign holdings; registered <contracts>;  
<electronic data processing> facilities at <UNIDO> headquarters;  
country profiles i.a. from <China>, <India>, <Nigeria>, <Korea R>,  
<Argentina> and <Poland>.

ENGL

24.30

15644

1985

Ivanov, K.

Guichard, Andre

Szantpeteri, I.

Trannoy, R.

Vranken, L.

UNIDO

(R) ALGERIE. ETABLISSEMENT D'UN PLAN DIRECTEUR DE DEVELOPPEMENT DE  
L'INDUSTRIE PHARMACEUTIQUE. RAPPORT FINAL.

UC/ALG/85/062

Vienna, 1985. 436 p. tables, graphs, diagrams, maps.

UNIDO-UNIDO/10/R 212

<UNIDO pub> <Final report> concerning development of  
<pharmaceutical industry> in <Algeria> - (1) presents a study  
permitting relevant <industrial planning> for the next two decades  
(2) covers (a) situation of the industry on the <global level> (b)  
existing industry in Algeria: <domestic market>; production  
programme; priorities; formulation and processing of  
<pharmaceuticals>; production and synthesis of basic <chemicals>;  
<packaging> aspects (c) a concerted <development policy> enabling  
the industry to meet <demand>. <Bibliography>, <statistics>,  
<glossary>, <maps>. Additional references: <research and  
development>, <quality control>, <training>, <fermentation>,  
<vaccines>, <financial aspects>. <Restricted>.

FREN  
35.60

15645  
UNIDO

1985

MEETING OF HEADS OF TECHNOLOGY TRANSFER REGISTRIES, 10TH, CAIRO, 1985  
CORIS DEVELOPMENT STATUS REPORT. (MEETING ON TRANSFER REGISTRIES).

Vienna, 1985. 14 p.

UNIDO-ID/WG.454/3

<UNIDO pub> on <information exchange> serving <technology transfer>  
- covers the cooperative framework of <TIES>; <electronic data processing>, <information processing>, <information service>; the characteristics of the model computerized registry <information system> (CORIS) as developed in <Poland>; adaptation at national levels: <Spain>, <Argentina>, <India>; <financial aspects>.

Additional reference: <computer programmes>.

ENGL  
24.30

15646

1986

Sinturel, Philippe

UNIDO

PAKISTAN. SPECIAL TRAINING COURSE ON SEWING OPERATIONS FOR LEATHER  
GOODS AND LEATHER GARMENTS. TECHNICAL REPORT.

DP/PAK/79/022

Vienna, 1986. 55 p. diagrams, illus.

UNIDO-DP/ID/SER.A/707

<UNIDO pub> <Expert report> on <training programmes> for sewing  
operations <leather goods> and leather <clothing> in <Pakistan>  
(reference <sewing machines>) - covers (1) observations at a  
leather products <development centre> (LPDC) at Karachi;  
<machinery>, <maintenance and repair>, thread, <needles>, library  
(2) preparation of theoretical courses and practical exercises for  
high skilled sewing operations; <training> of <counterpart  
personnel> in conducting such courses. <Recommendations>,  
<diagram>s, illustrations. Annexes course <documentation>.

Additional references: <tools>, <spare parts>, <skilled workers>.

ENGL  
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15647

1986

UNIDO

SEMINAR ON COMPARATIVE PULPING PROCESSES, BANGKOK, 1985

REPORT OF THE SEMINAR ON COMPARATIVE PULPING PROCESSES, INCLUDING THE  
MONOPULP PROCESS

US/RAS/84/238

Vienna, 1986. iii, 274 p. tables, graphs, diagrams, map.

UNIDO-UNIDO/10 629

<UNIDO pub>. <Report> of a <seminar> on <pulp and paper industry>,  
with special reference to <pulp>ing processes - covers (1) <choice  
of technology>, considering <raw material>s, <chemicals>,  
<bleaching>, <energy> aspects, etc (2) experience in various  
countries. <Recommendations>, <agenda>, <list of participants>,  
process <statistics>, <diagram>s, <bibliography>. Additional

references: <bagasse>, <straw>, <wood>, <silicon dioxide>, <newsprint>.

ENGL  
32.10

15648 1986

Robinson, Thomas J.

UNIDO

SYRIA. ASSISTANCE TO THE TEXTILE INDUSTRY. ASSESSMENT OF PROGRESS.  
TECHNICAL REPORT.

SI/SYR/84/801

Vienna, 1986. 15 p.

UNIDO-DP/ID/SER.A/711

<UNIDO pub>. <Expert report> on assistance to a <clothing> factory in <Syria> - covers assessment of improvements in production techniques, <productivity> and in <cost accounting> methods at an underwear <factory> in Damascus. <Recommendations>. Additional references: <spinning>, <knitting>, <yarns>, <textile finishing>

ENGL  
32.30

15649 1986

Astier, Jacques E

UNIDO

EXPERT GROUP MEETING ON THE PREPARATION OF GUIDELINES FOR THE ESTABLISHMENT OF MINI-PLANTS ON IRON AND STEEL WITH SPECIAL EMPHASIS ON AFRICA, VIENNA, 1985

POSSIBLE PROGRAMME OF ACTION IN THE IRON AND STEEL SECTOR FOR DEVELOPING COUNTRIES THROUGH THE MINI-PLANT CONCEPT

- POSSIBILITES OFFERTES PAR UN PROGRAMME D'ACTION POUR LES PAYS EN VOIE DE DEVELOPEMENT DANS LE DOMAINE DE LA SIDERURGIE GRACE AU CONCEPT DE MINI-USINE.

Vienna, 1986. 117 p. tables, graphs, diagrams, maps

UNIDO-UNIDO/PC.145

<UNIDO pub> on possible development of <iron and steel industry> through the mini-plant concept - covers (1) the mini-steel plant concept in <developed countries> and in <developing countries> (2) problems raised by creation and expansion of the <steel> industry of DCs along the mini-mill route. <Recommendations>. <bibliography>, <statistics>, <diagram>s, <map>s. Additional references: <choice of technology>, <training>, <infrastructure>, <regional cooperation>, <production capacity>

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15650 1986

Bancroft, J.

Bassili, A.

Hable-Selassie, S.

Mariki, G.

Ryan, P.

UNIDO

(R) PROGRAMMING MISSION TO GUYANA, 27 FEBRUARY - 15 MARCH 1986. REPORT  
DP/GUY/86/001

Vienna, 1986, 11, 65 p. tables.

UNIDO-UNIDO/10/R.239

<UNIDO pub>. <Mission report> on <industrial programming> in <Guyana> - covers (1) the <national economy>; <trend>s; the <gross domestic product>; the <manufacturing> sector; prospects (2) <small scale industry> and the <private sector> (3) <agro-industry>; <tropical timber> industry, <agricultural wastes>, <food industry>, <leather industry>, <textile industry> (4) <capital goods> and <technology transfer> (5) the <institutional framework>, <industrial estate>s, <export promotion>, <employment>, <training> (6) <technical assistance>, priority needs; project proposals. <Statistics>. <Restricted>

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15651

1985

Jeyasingam, T

UNIDO

KENYA DEVELOPMENT OF THE PULP AND PAPER INDUSTRY TECHNICAL REPORT, PART I SUMMARY

DP/KEN/80/001

Vienna, 1985, 63 p. tables, diagrams.

UNIDO-DP/ID/SER A/629

<UNIDO pub>. <Expert report> on development of the <pulp and paper industry> in <Kenya> - covers (1) present state of the industry; <production capacity> (2) <market>; <domestic production>, <import>ed <paper>; <demand> <forecast> (3) <raw material>s <wood>, <bamboo>, papyrus, <cotton> sticks, <coffee> sticks, <bagasse> from <sugar cane>, <wood wastes>, <waste paper>, <straw> (4) non-fibrous resources <water supply>, <steam supply>, <power supply> (5) <effluent treatment>; <training>, <transport> <Recommendations>, <bibliography>, <maps>, <statistics>

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15652

1985

Jeyasingam, T

UNIDO

KENYA ASSISTANCE TO THE MINISTRY OF INDUSTRY DEVELOPMENT OF THE PULP AND PAPER INDUSTRY IN KENYA TECHNICAL REPORT PART II: REPORT ON THE FEASIBILITY OF PRODUCING FINE PAPER FROM BAGGASE IN KENYA

DP/KEN/80/001

Vienna, 1985, 44 p. tables.

UNIDO-DP/ID/SER A/629

UNIDO-DP/ID/SER A/629/Add 1

<UNIDO pub>. <Expert report> on the development of the <pulp and paper industry> in <Kenya> with special reference to feasibility of producing fine <paper> from <bagasse> - covers (1) <site assessment>; <production capacity>; bagasse supply; <fuel> replacement bagasse (2) <natural fibres>, planting of high fibre content <sugar cane> (3) <location of industry>; <water supply>, <electric power> supply (4) <staff>, <training>, <transport> (5) the mill processing system: <pulp>ing, washing and screening, <bleaching>; <machinery>. Appends 1 a <capital costs> and <working capital> estimates. <Recommendations>, <statistics>.

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15653 1985

Jeyasingam, T  
UNIDOKENYA DEVELOPMENT OF THE PULP AND PAPER INDUSTRY IN KENYA TECHNICAL  
REPORT PART III: REPORT ON THE FEASIBILITY OF PRODUCING HARD  
TISSUES FROM SISAL WASTE IN KENYA

DP/KEN/80/001

Vienna, 1985 27 p tables

UNIDO-DP/ID/SER. A/629/Add 2

<UNIDO pub> <Expert report> on the development of the pulp and paper industry in <Kenya> with special reference to feasibility of producing hard tissues from <sisal> waste - covers (1) types of <paper>, <market>, <location of industry> (2) <raw material> supply; <prices> for sisal <natural fibres> (3) <water supply>, <electric power> supply, <transport> (4) the mill process (5) <capital costs>, manufacturing <profit> earnings <Recommendations>, <Statistics>

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15654 1985

Jeyasingam, T  
UNIDOKENYA ASSISTANCE TO THE MINISTRY OF INDUSTRY TECHNICAL REPORT  
DEVELOPMENT OF THE PULP AND PAPER INDUSTRY IN KENYA PART IV REPORT  
ON THE FEASIBILITY OF PRODUCING CORRUGATING MEDIUM (FLUTING PAPER)  
FROM STRAW IN KENYA

DP/KEN/80/001

Vienna, 1985 35 p tables

UNIDO-DP/ID/SER A/629

UNIDO-DP/ID/SER A/629/Add 3

<UNIDO pub> <Expert report> on the development of the pulp and paper industry in <Kenya> with special reference to feasibility of producing corrugating medium from <straw> - covers (1) <location of industry>, <production capacity>, straw supply (2) <water supply>, <electric power> supply (3) <staff>, <training>, <transport> (4) the mill processing system straw preparation, <pulping>, washing and screening, <machinery>, paper finishing (5) <production costs> and <capital costs> estimates <Recommendations>, <Statistics>

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15655 1985

UNIDO

CONSULTATION ON THE PETROCHEMICAL INDUSTRY, 3RD, VIENNA, 1985  
APPROACHES TO CONTRACTUAL AGREEMENTS AIMED AT ACCESS TO TECHNOLOGY AND  
TO ITS IMPROVEMENTS IN THE PETROCHEMICAL INDUSTRY WITH ILLUSTRATIVE  
EXAMPLES

- ACCORDS CONTRACTUELS POUR L'ACCES A LA TECHNOLOGIE ET A SES AMELIORATIONS DANS L'INDUSTRIE PETROCHIMIQUE: METHODES ET EXEMPLES TYPES
- CRITERIOS APLICABLES A LOS ACUERDOS CONTRACTUALES ENCAMINADOS A

FACILITAR EL ACCESO A LA TECNOLOGIA Y A SUS PERFECCIONAMIENTOS EN LA  
INDUSTRIA PETROQUIMICA, CON ALGUNOS EJEMPLOS

Vienna, 1985 32 p.

UNIDO-ID/WG 448/5

<UNIDO pub> on <contract>s aimed at access to <appropriate  
technology> in the <petrochemical industry> - covers (1)  
<technology> acquisition in the <developing countries> (2)  
agreements on: <licensing>, <technical information>, <technical  
assistance> and services, <research and development>, cooperation  
(3) <technology transfer> Appends model contract Additional  
reference: <legal aspects>.

ENGL FREN SPAN

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15656

1985

Patil, S M

UNIDO

ROUND TABLE DISCUSSION OF AN ADVISORY GROUP OF INTIB USERS  
DEMAND AND TRENDS OF INDUSTRIAL AND TECHNOLOGICAL INFORMATION IN  
DEVELOPED AND DEVELOPING COUNTRIES.

Vienna, 1985 45 p diagrams

UNIDO-ID/WG 450/4

<UNIDO pub> on <industrial information> in <developed countries>  
and in <developing countries> - covers (1) the role of the  
information sector in accelerating development required  
<information service>s; <information processing> (2) global  
<information technology>; the role of the <USA> as a pace setter,  
<telecommunications industry>, <semiconductor>s, <computer>s,  
<computer programmes> (3) information needs of an industrial set-  
up, information as a commodity in production; <management  
information system>; <documentation>; information as a catalyser in  
the growth of an <industrial enterprise> and its dissemination to  
outside manufacturing operatives (4) information technology in  
<India> (5) development of <information system>s for DCs

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15657

1985

Petritsch, Mechtild

UNIDO

EXPERT GROUP ON WOMEN IN AGRO-INDUSTRIES, VIENNA, 1985  
WOMEN'S PARTICIPATION IN MANUFACTURING IN DEVELOPING COUNTRIES. WITH  
EMPHASIS ON AGRO-INDUSTRIES

Vienna, 1985 144 p. tables

UNIDO-ID/WG 452/2

<UNIDO pub> on the role of <women> in <manufacturing> in  
<developing countries> with special reference to <agro-industry> -  
covers (1) objectives and project background (2) the impact of  
national and <international> economic <trend>s; the role of  
<export>s; industrialization strategies (3) the participation of  
women in the <labour> force, <unemployment> and underemployment of  
women in DCs, <technology> and <training> (4) relevant <industrial  
policy>s in <Africa>, <Asia>, the Pacific and in <Latin America>  
(5) household production, the "informal sector" as an extension of  
traditional women's tasks: <handicraft>, <food> processing,  
<weaving> etc. <Recommendations>, <Statistics>.

ENGL  
23 30

15658 1985

Correa, Carlos M.

UNIDO

TRENDS IN COMMERCIALIZATION OF SOFTWARE IN DEVELOPING COUNTRIES

Vienna, 1985 107 p

UNIDO-UNIDO/IS 574

<UNIDO pub> <Expert report> on <commercialization> of <computer programmes> in <developing countries> - covers (1) concept and types of computer programmes; <data base>s (2) <market> structure and <trend>s (3) typology of <supply>ers and end-users (4) <import>s, <export>s, <contractual arrangements for commercialization>, (5) <legal aspects>, <patents> (6) relevant <government policy>s in <Brazil>, <India> and <Mexico> (7) appraisal of major provisions in contracts <specifications>; <documentation>, <pricing>; <training>, <maintenance and repair> <Recommendations>

ENGL  
01 30

15659 1985

Aman, Mohammed M

UNIDO

(R) SAUDI ARABIA A COMPUTERIZED INDUSTRIAL DATA BANK

DP/SAU/81/008

UC/SAU/85/042

Vienna, 1985 56 p diagrams

<UNIDO pub> <Expert report> on promoting the flow of <industrial information> by setting up appropriate <institutional framework> in <Saudi Arabia> - covers selection of <computer>s, design of <data base>, output files, system <flow chart>, methods of evaluation and monitoring of the system, <staff>, <training programmes> Appends screen layout Additional reference industrial <licensing> <Restricted>

ENGL ARAB  
01 30

15660 1985

Murphy, T

UNIDO

(R) NIGER ASSISTANCE TO OPEN PHASE II TERMINAL REPORT

SM/NER/83/004

Vienna, 1985 17 p

<UNIDO pub> Inspection <report> of <machinery> and <equipment> for <maintenance and repair> in <Niger> - covers repair requirements of composite unit, (rapid granulator, compressor, <water> <pumps>, chiller) <Restricted>

ENGL  
25 20

15661

1985

Harju, Paavo  
UNIDO

(R) KENYA. ASSISTANCE TO THE MINISTRY OF INDUSTRY. REPORT OF THE  
EVALUATION MISSION.

DP/KEN/80/001

Vienna, 1985. 77 p. tables, diagrams.

UNIDO-DP/ID/SER.C/1

<UNIDO pub>. <Mission report> on <evaluation> of past <UNIDO>  
<regional project>s to promote <industrial development> in <Kenya> -  
covers (1) project background and objectives (2) <economic  
conditions> and <economic growth>; <population>, <employment>,  
<government policy>s (3) <institutional framework>, <decision  
making> machinery (4) <project implementation>, government inputs  
(5) project results: institution building, direct support. Appends  
<list of documents>. <Recommendations>. Additional references  
<seminar>s, <training>, <preinvestment study>s, pre <feasibility  
study>s, <information system>. <Restricted>.

ENGL

14.60

15662

1985

Clarke, Arthur D.  
UNIDO

(R) CHINA. TECHNICAL ASSESSMENT OF SOME PROJECT-RELATED INFORMATION  
COLLECTED DURING THE STUDY TOUR BY THE BEIJING RESEARCH INSTITUTE  
FOR CHEMICAL INDUSTRY IN THE UNITED KINGDOM.

DP/CPR/85/021

Vienna, 1985. 4 p.

<UNIDO pub> on <polyvinyl chloride> processing based on experience  
in <UK> - presents findings of a study tour of a Beijing <chemical  
industry> <research centre> covering: <raw material>s, safety, use  
of <robots>; <computer> antrolled <testing>, <quality control>;  
<equipment>, <factory> visits. <Restricted>.

ENGL

35.70

15663

1985

Gaston, Cecilia P  
UNIDO

(R) REGIONAL NETWORK FOR THE PRODUCTION, MARKETING AND CONTROL OF  
PESTICIDES IN ASIA AND THE PACIFIC. TECHNICAL REPORT

DP/RAS/82/006

Vienna, 1985. 69 p.

UNIDO-DP/ID/SER.B/510

<UNIDO pub>. <Expert report> on a <regional> network for  
production, <marketing> and control of <pesticides> in <Asia> and  
the Pacific - covers (1) project background and project objectives  
expected outputs; <training>; <UNDP> and government inputs;  
<institutional framework> (2) <project implementation>:  
harmonization of pesticide registration requirements; <consulting>,  
<standardization> and <quality control>; pesticide formulation,  
pesticide <data collecting>; <toxicity>; <trade> and <tariff

policy> (3) project analysis; <fellowships> and study tours;  
<organizational aspects>; constraints. <Manning table>.  
<Recommendations>. Additional reference: <ESCAP> region.  
<Restricted>.

ENGL  
35.40

15664 1985

Waelidin, H.K.

UNIDO

CHINA. LEATHER TECHNOLOGY CENTRE. TECHNICAL REPORT: DEMONSTRATIONS OF  
MODERN LEATHER PROCESSING TECHNIQUES.

DP/CPR/83/004

Vienna, 1985. 28 p.

UNIDO-DP/ID/SER.A/654

<UNIDO pub>. <Expert report> on <appropriate technology> in  
<leather industry> with special reference to <tanning> based on  
experience in <China> - covers: the Shanghai leather <research  
centre>; <raw materials>; <hides and skins>; <dyeing>; <pilot  
plant>. <machinery>. <Recommendations>.

ENGL  
32.40

15665 1987

Delante, Jacques

UNIDO

CHEMBIOTECH

LOCAL BIOREAGENT PRODUCTION IN DEVELOPING COUNTRIES.

Vienna, 1987. iv, 48 p. tables, diagrams.

UNIDO-IPCT.22

<UNIDO pub>. <Expert report> on potential <domestic production> of  
bioreagents required for <genetic engineering> technology in  
<developing countries> (reference: <biochemistry>) - covers (1)  
background of <survey> conducted in <Thailand> and <USA> (2)  
Nucleic acid processing <enzymes> (3) oligonucleotides and  
synthetic genes (4) host strains, plasmids, DNA, etc. (5) rationale  
for local production; <economic aspects>, <costs>, <Statistics>,  
<diagrams>. Annexes (a) list of <prices> for genetic engineering  
products (b) purification procedure for PST I (c) procedure for  
manual synthesis of deoxyoligonucleotides. Additional references:  
<research>, <training>

ENGL  
35.50

15666 1985

Carbonell, Jose

UNIDO

(R) CHINA. THE USE OF DYES IN THE TEXTILE INDUSTRY (REPORT OF A VISIT  
TO BEIJING AND SHANGHAI, 1985).

DP/CPR/84/004

Vienna, 1985. 8 p.

<UNIDO pub> containing <mission report> to China to develop on  
<appropriate technology> in <dyeing> of <textiles> - covers:

<natural fibres> and <synthetic fibres>; <cotton>, <polyester>, viscose, <laboratory> <testing>, the Shanghai dyestuff <research centre>, <choice of technology>, <productivity>, <domestic market>; <pilot plant>, <machinery>, <equipment>, <Recommendations>, Appends <project document>, <Restricted>.

ENGL SPAN

32 30

15667 1987

McCusker, Karen

UNIDO

UNCTAD

TARIFF AND NON-TARIFF MEASURES IN THE WORLD TRADE OF PHARMACEUTICAL PRODUCTS. SECTORAL WORKING PAPER SERIES NO. 59.

Vienna, 1987 iv, 22 p tables

UNIDO-PPD 46

<UNIDO pub> <Expert report> on <trade barriers> in the field of <pharmaceuticals> - covers (1) international <trade>, restrictions; <tariffs> and non-tariff measures (2) potential trade expansion effects from <trade liberalization> (3) potential trade expansion among <developing countries>, <ECDC> (4) areas of <North-South> <cooperation>. <Statistics>

ENGL

35 60

15668 1986

Hubner, Wojciech

Novak, Robert

Sussman, David

UNIDO

(R) COMFAR TRAINING COURSE ZIMBABWE DEVELOPMENT BANK, HARARE 2-20 JUNE 1986 FINAL REPORT

Vienna, 1986 1 vol (various pagings) tables, graphs, diagrams.

<UNIDO pub> <Final report> on training given to staff of the <Zimbabwe> <Development Bank> (ZDB) in application of UNIDO's model and <computer programmes> for project <feasibility study> and reporting - covers activities of the ZDB; <seminar> organization; <training> method, programme work schedule; facilities, <computer> hardware and software teaching materials; the <UNIDO> team; logistics features <Recommendations>, <flow chart>s, tables. Additional references <cost-benefit analysis>, <cash flow>, <models>, <investment>, <industrial project>s. <Restricted>.

ENGL

14 50

15669 1986

Malas, R

UNIDO

(R) SOME ASPECTS OF COMPUTER APPLICATION FOR INDUSTRIAL MANAGEMENT IN DEVELOPING COUNTRIES

Vienna, 1986 78 p tables, graphs, diagrams, illus.

<UNIDO pub> <Expert report> regarding <computer> aided <management>

information system>s in <developing countries> - covers (1) priority areas of computerization for industrial <management> purposes (2) available hardware systems; selection criteria; relation between hardware and software (3) software; <definition> and evaluation of <computer programmes>; management network systems; <telecommunications> network. <Recommendations>, <statistics>, <flow chart>s, annexes. <Restricted>.

ENGL  
01.20

15670 1984

Decl. S.P.S.  
UNIDO

(R) A STUDY OF TRAINING NEEDS OF DEVELOPMENT FINANCE INSTITUTIONS (DFIs) IN SELECTED ENGLISH SPEAKING AFRICAN COUNTRIES. TERMINAL REPORT.

Vienna, 1983. 94 p.

.....

<UNIDO pub>. <Final report> on <training> needs of <development bank>s in <English Speaking Africa>n countries - covers (1) evaluation of existing <training programmes> in development <financing> institutions (2) assessment of training needs of 26 DFIs; <management development> (3) training policies, arrangements and in-house training capabilities (4) design of a delivery system comprising various specialized training and <seminar>s; <organizational aspects>. <Restricted>.

ENGL  
29.30

15671 1983

UNIDO  
AADFI

(R) RECOMMENDATIONS FOR A FIVE-YEAR TRAINING PROGRAMME FOR AFRICAN DEVELOPMENT FINANCE INSTITUTIONS (1984-1989)

Vienna, 1983. 42 p.

.....

<UNIDO pub> on <training programmes> for <Africa>n <development bank>s - covers: background and objectives of the Association of African Development Finance Institutions (AADFI); basic thrust of its training programme; the modular approach; <methodology>; linkages; <financial aspects>; monitoring and evaluation; plan of action. <Recommendations>. <Restricted>.

ENGL  
29.30

15672 1984

Lakhoun, F.  
UNIDO

(R) EVALUATION DES BESOINS DE FORMATION DES BANQUES DE DEVELOPPEMENT EN AFRIQUE FRANCOPHONE.

Vienna, 1984. 66 p. table.

.....

<UNIDO pub>. <Expert report> on <training> needs of staff of industrial <development bank>s in <French speaking Africa> - covers

(1) <survey> <methodology>; <questionnaire> (2) the existing situation; training in commercial <banks> and DFIs; <seminar>s (3) elaboration of plans for future <training programmes>; priority needs; <training centre>s. <Recommendations>. <Restricted>.

FREN  
29.30

15673 1986

Gloeckl, Josef A.

UNIDO

(R) SENEGAL. SEMINAIRE SUR L'EMPLOI DE L'ORDINATEUR IBM-XT ET DU PROGRAMME COMFAR (COMPUTER MODEL FOR FEASIBILITY ANALYSIS AND REPORTING). RAPPORT TECHNIQUE.

DP/SEN/84/001

Vienna, 1986. 28 p. tables.

:::

<UNIDO pub>. <Expert report> of a <seminar> on the use of a computer and the COMFAR <computer programmes> for <feasibility study>s in <Senegal> - covers: relevant <training> given; use of available <equipment> and especially the IBM-XT <computer>; problems encountered. Appends training materials and <list of participants>. <Restricted>.

FREN  
01.30

15674 1986

Orrego, Jose Ramon

UNIDO

(R) ARGENTINA. DESAROLLO E IMPLEMENTACION DE UN PROGRAMA DE COMPUTACION PARA TRANSMISION DE CALOR POR EL METODO DE ELEMENTOS FINITOS EN REGIMEN LINEAL, ESTACIONARIO Y TRANSITORIO. INFORME FINAL.

DP/ARG/81/004

Vienna, 1986. 40 p. diagrams.

:::

<UNIDO pub>. <Final report> on calculation of heat transmission in static and transitory systems - covers (1) equations conveying analysis of different heat transmission methods according to differing parameters, such as <temperatura> and time (2) <methodology>s referring to <smelting>, <welding> and <heat treatment> of <metals>. <Technical assistance> available. <Recommendations>. <flow chart>s. <Restricted>.

SPAN  
36.30

15675

Shadmon, Asher

UNIDO

(R) SURINAME. PLAN OUTLINE FOR AN INTEGRATED STONE DEVELOPMENT PROJECT. TECHNICAL REPORT.

DP/SUR/82/001

Vienna, 1986. 13 p.

:::

<UNIDO pub>. <Expert report> on assistance in planning a <stone> development project in <Suriname> - covers (1) progress made in



locating and exploiting granita resources since 1982 (2) consideration of launching a national stone industry based L. Patamacca granita deposits at Kala Rots; quality of stone found there; quarrying prospects; drilling programmes; technical and <economic aspects> of exploitation (3) suggestions for future activities. <Recommendations>. <maps>. Additional references: <mineral resources>. <mining>. <Restricted>.

ENGL  
33 20

15676

Lightfoot, Edwin

UNIDO

(R) INDIA. BIOSCIENCE AND ENGINEERING. TECHNICAL REPORT. MISSION 15-28

MARCH 1986

DP/IND/80/003

Vienna, 1986 7 p

<UNIDO pub> <Expert report> on assistance to a <laboratory> in <India> in identification of promising <research programmes> in <biotechnology> - covers (1) activities of the multi-disciplinary chemical <research centre> at Pune; <staff>, qualifications, <knowhow> (2) projects concerning <glucose> and <enzymes>, <ethanol> production from <molasses>; <antibiotics> manufacture involving large-scale <fermentation> processes, <chemical reactors>, <development potential>, co-operation with <chemical industry> Additional reference: <biochemistry>. <Restricted>

ENGL  
35 50

15677

1986

Yokoya, Fumio

UNIDO

(R) MOZAMBIQUE. REHABILITATION OF EXISTING YEAST FACTORIES TECHNICAL REPORT

SI/MOZ/85/801

Vienna, 1986 21 p

<UNIDO pub> <Expert report> on assistance in rehabilitation of <yeast> factories in <Mozambique> - covers (1) condition of installations in <factory>s at Maputo and Beira (2) local <infrastructure> (3) suggestions for a programme of rehabilitation, <maintenance and repair> and future expansion. Summary in English. Additional references: <equipment>, <fermentation>, <food industry>, <factory organization>. <Restricted>.

PORT  
31 10

15678

1986

Sanada, Y.

UNIDO

(R) CHINA. TECHNOLOGIES OF DIRECT COAL LIQUEFACTION. TECHNICAL REPORT.

DP/CPR/83/002

Vienna, 1986. 4 p.

.....

<UNIDO pub>. <Mission report> on assistance to a <research centre> in <China> regarding catalytic <coal> liquefaction - covers (1) support for <research programmes> on techniques of direct coal liquefaction carried out at the Central Coal Mining Research Institute at Beijing (2) review of work programme; <laboratory> work; lectures and advice concerning relevant topics. <Recommendations>. Additional references: <catalyst>s, <solvent>s, <chemical reactors>, <carbonization>. <Restricted>.

ENGL  
34.30

15679 1986

Kwon, H.S.

UNIDO

(R) REPUBLIC OF KOREA. LOW-GRADE COAL UTILIZATION AND PROPERTY ANALYSIS. TECHNICAL REPORT.

DP/ROK/82/029

Vienna, 1986. 17 p. diagrams.

.....

<UNIDO pub>. <Expert report> on assistance in <boilers> design for use of low grade <coal> in <Korea R> - covers (1) boiler design for 20 T per hour fluidized-bed combustion; process design; anthracite culm <fuel>; heat and material balance; feed system; ash <recycling> and <systems design> (2) material <handling> process at a <pilot plant> (3) visits to two <factory>s (4) a coal <gasification> project. <Diagram>s. <Restricted>.

ENGL  
36.30

15680 1986

Cencig, Mario Oscar

UNIDO

(R) PARAGUAY. LA GASIFICACION DE CARBONES VEGETALES. INFORME TECNICO.

DP/PAR/83/010

Vienna, 1986. 9 p.

.....

<UNIDO pub>. <Expert report> on <gasification> of <charcoal> in <Paraguay> - covers (1) assistance to a relevant <research> at the university of Asuncion, with reference to <gasification> system, <instruments>, charcoal properties, <gas> generation and purification, liquid and solid residues, etc. (2) suggests future activities. Additional reference: <biomass>. <Restricted>.

SPAN  
35.20

15681 1986

UNIDO

PHILIPPINES, BUREAU OF ENERGY UTILIZATION, MINISTRY OF ENERGY NATIONAL ENGINEERING CENTER, PHILIPPINES GUIDES TO INDUSTRIAL PREVENTIVE MAINTENANCE FOR ENERGY CONSERVATION. Vienna, 1986. xiv, 329 p. tables, diagrams, graphs.

.....

<UNIDO pub> on preventive <maintenance and repair> for <energy

saving> in industry - covers (1) nature and <management> of preventive maintenance (PM) (2) basic elements: maintainability, lifecycle <costing> and failure analysis; condition monitoring; use of <lubricants>, <corrosion> prevention and control; leak prevention; industrial <water treatment> (3) <equipment> applications: PM of <boilers>, <kilns>, <furnace>s, <refrigerator>s, <electrical equipment>, <pumps>, compressors, <hoisting machinery>, <conveying machinery>, <diesel engines>. Tables, <diagram>s, <flow chart>s, <glossary>. Additional references: <Philippines>, <testing>.

ENGL  
25 20

15682

1986

UNIDO

PHILIPPINES, BUREAU OF ENERGY UTILIZATION, MINISTRY OF ENERGY  
NATIONAL ENGINEERING CENTER, PHILIPPINES  
GUIDES TO ENERGY CONSERVATION IN THE FOOD PROCESSING INDUSTRY.  
Vienna, 1986 x1, 110 p tables, graphs, diagrams.

<UNIDO pub> on <energy saving>s in the <food industry> (based on experience in the <Philippines>) - covers (1) energy conservation relating to <fishery product processing>, <meat industry>, <fruit> and <vegetables>, and <grain processing> (2) energy conservation in common food processing <equipment> (3) guidelines for conducting an energy audit. <Statistics>, <flow chart>s, <diagram>s. Additional references: <boilers>, <steam>, <electric motors>, <canning>, <food technology>

ENGL  
31 30

15683

UNIDO

INDUSTRIES DEVELOPMENT CORPORATION, HAIFA, 1986  
(R) SRI LANKA. AGRO-INDUSTRY DEVELOPMENT IN MAHAWELI SYSTEM "H". FINAL REPORT.

SI/SRL/84/802

Vienna, 1986 1 vol. (various pagings), tables, maps, diagrams

<UNIDO pub>, <Final report> regarding <development potential> of <agri-product processing> in a <rural area> of <Sri Lanka> - (1) discusses main issues of agro-industrial development opportunities in an area settled by 23,000 <farming> families (2) proposes a <development plan> based on crop <diversification> (3) presents an integrated <agro-industry> programme of <industrial projects>, with special reference to chilli, <soybeans>, <dairy products>, <fruit> and <vegetables>, <groundnuts> and sesame, <spices>, and animal <feed production>. <Recommendations>, <flow chart>, <maps>, <bibliography>. Additional references: <economic aspects>, <social aspects>, <financial aspects>, <canning>, <Restricted>.

ENGL  
31 30

15684

UNIDO

TKP CONSULTANTS LTD., WARSAW

(R) BOLIVIA. TERMINAL REPORT ON CATALYST AND SULPHUR TESTING ANALYSIS.

SI/BOL/85/805

Vienna, 1986. 49 p. tables, graphs, diagrams.

<UNIDO pub>. <Final report> on <chemical analysis> of <catalyst> and <sulphur> to be used at a <sulphuric acid> plant in <Bolivia> - covers (1) determination of chemical elements and specific quality of sulphur; estimation of its usability; proposals for improvement (2) chemical composition and applicability of the catalyst; <testing> and <research>; mechanical strength tests; determination of the bulk density (3) discussion of results. Process <statistics>. <diagrams>. <Restricted>.

ENGL

35 30

15685

1986

Duchek, P.

Mueller, J.

Novotny, J.

UNIDO

POLYTECHNA, PRAGUE

RESEARCH INSTITUTE FOR CERAMICS, PILSEN

(R) NIGERIA. ASSISTANCE IN THE EVALUATION OF TENDERS FOR FACTORIES TO BE ESTABLISHED IN BENDEL STATE OF NIGERIA. TECHNICAL REPORT.

SI/NIR/85/801

Vienna, 1986. 90 p. tables, diagrams, maps.

<UNIDO pub>. <Expert report> on assistance in evaluation of tenders for establishment of a <ceramics industry> and a <fertilizer industry> in <Nigeria> - covers (1) project background (2) evaluation of tenders to set up (a) a plant producing glazed ceramic <tiles> and <sanitary wares> (b) a small scale <ammonia>-<urea> plant (3) utilization of results; preselection of offers. <Recommendations>. <Statistics>. <flow charts>. <maps>. Additional references: <capital costs>. <production costs>. <equipment>. <Restricted>.

ENGL

33 30

15686

1986

UNIDO

(R) BANGLADESH. PROJECT DOCUMENT. ANALYSIS OF RAW MATERIALS FOR NON-METALLIC MINERAL BASED INDUSTRIES

DP/8GD/85/006

Vienna, 1986. 80 p. tables.

<UNIDO pub>. <Project document> concerning analysis of <nonmetallic minerals> to be used as raw materials in <Bangladesh> - covers a project designed to (1) improve (a) <clay> <mining> operations (b) <testing> of <raw materials> and products of the <refractory materials> and <ceramics industry>s (c) relevant technological <knowhow> (2) explore potential of resources such as <rice husks> ash, <zirconium> and <kyanite> (3) implement a programme for industrial <energy saving>. Annexes a mission report. <Restricted>.

ENGL  
35 30

15687

1987

Pichot, Claude

UNIDO

ILO

CONSULTATION SUR LA FORMATION DE LA MAIN D'OEUVRE INDUSTRIELLE. 2IEME,  
PARIS, 1987

INVESTIR DANS LA MAINTENANCE EN JEUX ECONOMIQUES ET STRATEGIES

POSSIBLES. DOCUMENT DE BASE.

- INVESTMENT IN MAINTENANCE: ECONOMIC STAKES AND POSSIBLE STRATEGIES.  
BACKGROUND DOCUMENT.

- LA INVERSION EN MANTENIMIENTO: INTERES ECONOMICO Y ESTRATEGIAS  
POSIBLES. DOCUMENTO DE BASE.

Vienna, 1987. 11, 30 p.

UNIDO-ID/WG.469/2

<UNIDO pub> on <economic implications> of investing in industrial  
<maintenance and repair> - covers (1) the penalties for inadequate  
maintenance; hazardous practices, <costs> and losses (2) the  
benefits of timely <investment> in maintenance of <factory>  
<equipment> and in <spare parts> (3) proposals for launching  
appropriate <training programmes> in <developing countries>; <pilot  
projects>, <pilot plants>.

FREN ENGL SPAN

25 20

15688

1986

Ericsson, Magnus

UNIDO

SWEDISH NONFERROUS METALS INDUSTRY.

Vienna, 1986 20 p.

<UNIDO pub> on <nonferrous metals> industry in <Sweden> - covers  
(1) <economic implications> of the industry; <mining>, <smelting>  
and <refining>; growth of mining <equipment> industry;  
<consulting>; <employment>, sales value, productivity, <research>,  
<domestic consumption>; <trade> (2) activities of various  
<industrial enterprises> (3) mining <legislation> (4) workers  
<health> and <industrial safety> (5) <pollution control> (6)  
exploration organizations. Additional references: <mineral  
resources>, <ore processing>, <copper>, <lead>, <zinc>.

ENGL

36 20

15689

1987

Madan, Arun

UNIDO

STUDY ON AMORPHOUS SILICON SOLAR CELLS.

Vienna, 1987. 1, 42 p. tables, graphs, diagrams, illus.

UNIDO-IPCT.18

<UNIDO pub>. <Expert report> regarding amorphous <silicon> solar  
cells (reference: <solar energy>) - (1) reviews the potential of  
amorphous silicon application in inexpensive solar cells designed

to convert sunlight directly into <electric power> (2) covers (a) amorphous silicon materials and devices (b) <mass production> processes; <choice of technology>; future <trends> (c) the role of <research> in <developing countries> (3) appends a note on basic concepts of amorphous <semiconductor>s. Additional reference: <renewable energy>. <Diagram>s, tables, illustrations. <Restricted>.

ENGL  
34.10

15690 1986

Gilbert, Stephen L.

UNIDO

TECHNOLOGICAL TRENDS IN CUSTOM AND SEMI-CUSTOM INTEGRATED CIRCUITS.

Vienna, 1986. 7 p.

...:

<UNIDO pub> on <trend>s in design and manufacture of <integrated circuits> - covers (1) <technological change> in the <microelectronics> industry; the significance of <product design> and <product development>; <market> and <demand> considerations (2) technical approaches; off-the-shelf <components> suitable for design intensive systems; semicustom and full custom chips.

ENGL  
38.20

15691 1986

Guisse, Hamedine Racine

UNIDO

REGIONAL EXPERT GROUP MEETING ON HUMAN RESOURCES DEVELOPMENT IN

INDUSTRIAL MAINTENANCE IN AFRICA, NAIROBI, 1986

LA MISE EN VALEUR DES RESSOURCES HUMAINES POUR LA MAINTENANCE

INDUSTRIELLE EN AFRIQUE. LE CAS DU SENEGAL.

Vienna, 1986. 55 p.

...:

<UNIDO pub> or <training> in industrial <maintenance and repair> in <Senegal> - covers (1) the economic and social context; <technical education> and <training centres> (2) the problem of industrial maintenance; the situation of <factory>s and <laboratory>s (3) relevant <development policy>; required <training programmes>; activities at various centres; <cooperation> (4) <management development>, <research>, <government policy> (5) experience of a <technological institute> in training <engineers> and <technical personnel>. <Recommendations>. additional reference: <regional cooperation>.

FREN  
25.20

15692 1986

Msolila, G.

UNIDO

REGIONAL EXPERT GROUP MEETING ON HUMAN RESOURCES DEVELOPMENT IN

INDUSTRIAL MAINTENANCE IN AFRICA, NAIROBI, 1986

HUMAN RESOURCES DEVELOPMENT IN INDUSTRIAL MAINTENANCE: THE CASE OF TANZANIA.

Vienna, 1986. 29 p. tables.

.....

<UNIDO pub> on <training> in industrial <maintenance and repair> in <Tanzania> - covers (1) the <institutional framework>; <training centre>s (2) maintenance problems, relevant policy (3) maintenance facilities in <factory>s and <workshop>s; <organizational aspects> (4) <spare parts> <management> and manufacture (5) <engineering design> and maintenance (6) <purchasing> and <supply> of <equipment>. <Statistics>, <recommendations>, <bibliography>

ENGL  
25.20

15693 1986

Rwayoya, Fulgence

UNIDO

REGIONAL EXPERT GROUP MEETING ON HUMAN RESOURCES DEVELOPMENT IN INDUSTRIAL MAINTENANCE IN AFRICA, NAIROBI, 1986  
DEVELOPPEMENT DES RESSOURCES HUMAINES POUR LA MAINTENANCE INDUSTRIELLE. BURUNDI.

Vienna, 1986. 40 p.

.....

<UNIDO pub> on <training> in industrial <maintenance and repair> in <Burundi> - covers (1) the problem of maintenance in Burundi; methods of <data collecting>; the present situation (2) <organizational aspects> of maintenance (3) technical <documentation> of maintenance activities in <factory>s (4) <spare parts> <purchasing> and <supply>; acquisition of <equipment> (5) a policy on training. <Recommendations>, <questionnaire>.

FREN  
25.20

15694 1986

Bachiri, M.

UNIDO

REGIONAL EXPERT GROUP MEETING ON HUMAN RESOURCES DEVELOPMENT IN INDUSTRIAL MAINTENANCE IN AFRICA, NAIROBI, 1986  
POST INVESTISSEMENT ET MAINTENANCE AU MAROC. RESUME

Vienna, 1986. 28 p.

.....

<UNIDO pub> on industrial <maintenance and repair> in <Morocco> - covers (1) general information about the country (2) the state of maintenance in <factory>s; problems of adequate <training> to meet the need for <technicians> (3) national <seminar> held in 1985 (4) <economic implications> of maintenance; the role of <training programmes>; <financial aspects> (5) <recruitment> and <management> of <technical personnel>. <Recommendations>.

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Wong Ng, Danielle

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HUMAN RESOURCES DEVELOPMENT FOR INDUSTRIAL MAINTENANCE IN MAURITIUS.

Vienna, 1986 37 p. tables, diagrams.

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<UNIDO pub> on <training> for industrial <maintenance and repair> in <Mauritius> - covers (1) maintenance policy; <educational aspects>; <technical education> and <vocational training>; <cooperation>; (2) <organizational aspects> and methods of maintenance (3) technical <documentation> on maintenance in <factory>s (4) <spare parts> <management> (5) acquisition of plant and <equipment> (6) training policy for maintenance; existing <training centre>s

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Leal da Silva, Jose M.

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NON-FERROUS METALS INDUSTRY: CASE STUDY FOR PORTUGAL (1986)

Vienna, 1986 193 p. tables, graphs, diagrams.

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<UNIDO pub> on the <nonferrous metals> industry in <Portugal> - covers (1) <mining> of nonferrous <ores>; exploitation of <copper> and <tin> deposits; <location of industry> (2) existing <ore processing> operations (3) links between the non-ferrous metals and other sectors; <economic implications> (4) relevant <industrial enterprise>s (5) <legal aspects>; <contracting> (6) <development policy> and <cooperation>. <Statistics>. <bibliography>. <diagram>s Additional references: pyrite, <investment>.

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15697 1987

De Groote, Patrick J.

UNIDO

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CONSULTATION SUR LA FORMATION DE LA MAIN D'OEUVRE INDUSTRIELLE. 2IEME. PARIS, 1987

GUIDE POUR LA MISE EN OEUVRE D'ACTION DE DEVELOPPEMENT DE RESSOURCES HUMAINES POUR LA MAINTENANCE INDUSTRIELLE DANS LES PAYS EN VOIE DE DEVELOPPEMENT. DOCUMENT DE BASE.

- AGENDA FOR ACTION IN THE FIELD OF HUMAN RESOURCES DEVELOPMENT FOR INDUSTRIAL MAINTENANCE IN DEVELOPING COUNTRIES. BACKGROUND DOCUMENT.  
- PROGRAMAS DE MEDIDAS EN LA ESFERA DEL PERFECCIONAMIENTO DE RECURSOS HUMANOS PARA EL MANTENIMIENTO INDUSTRIAL EN PAISES EN DESARROLLO. DOCUMENTO DE BASE

Vienna, 1987 11, 52 p.

UNIDO-ID/WG 469/1

<UNIDO pub> giving guidelines for promotion of <training> for industrial <maintenance and repair> in <developing countries> - gives a summary outline of maintenance problems in DCs in six priority areas, namely: maintenance strategy and policy; maintenance methods and <organizational aspects>; technical <documentation>; <spare parts>; negotiation and acquisition of <equipment>; training policy for maintenance. Proposes practical solutions to problems in development of <human resources> and refers to the <role of UNIDO> in promoting training. Additional references: <factory>s, <choice of technology>, <purchasing>.



<management>, <technical education>.  
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Sutulov, Alexander  
UNIDO

TECHNOLOGICAL ALTERNATIVES FOR NON-FERROUS BASE METALS IN DEVELOPING COUNTRIES.

Vienna, 1986. 156 p. tables, graphs, diagrams.

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<UNIDO pub> on <choice of technology> for production of <nonferrous metals> in <developing countries> - covers (1) <global level> factors affecting production; <economic aspects> (2) relevant <mineral resources> and deposits of <ores> in DCs; base metals production, <demand> and <prices> (3) technological alternatives (a) for <mining>, comminution, concentration, hydro<metallurgy>, pyrometallurgy (b) with reference to <copper>, <lead>, <zinc> and <tin> (4) possible implementation strategies. <Diagram>s, <statistics>, <flow chart>s. Additional references: <ore processing>, <smelting>, <research and development>.

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Tecle, Yohannes  
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NATIONAL CASE STUDY (ETHIOPIA) ON HUMAN RESOURCES DEVELOPMENT FOR INDUSTRIAL MAINTENANCE.

Vienna, 1986. 25 p. diagrams, graphs.

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<UNIDO pub> on <training> for industrial <maintenance and repair> in <Ethiopia> - covers (1) general background; significant industrial maintenance problems (2) relevant policy and strategy, <training centre>s (3) results achieved in Ethiopian <factory>s (4) an approach used in technical training and <management development> (5) plans concerning <spare parts>; setting up a spare parts factory and parts reclamation <workshop>s. <Statistics>, <diagram>s. Additional references: <costs>, <machinery>, <economic aspects>.

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15700 1986

Kwasnik, Jerzy  
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EGYPT. SHORT-TERM TECHNICAL ASSISTANCE IN THE FIELD OF DRY BATTERIES MANUFACTURING. TECHNICAL REPORT.

SI/EGY/85/802

Vienna, 1986. 7 p. table.

UNIDO-DP/ID/SER.A/714

<UNIDO pub>. <Expert report> on assistance to an <electric

batteries> factory in <Egypt> - covers (1) technical and <economic aspects> of existing production, evaluation of facilities (2) improvement in producing electrolytic <manganese> dioxide for dry batteries (3) a concept for extending EMD production. <Recommendations>. Additional references: <electrolysis>, <testing>.

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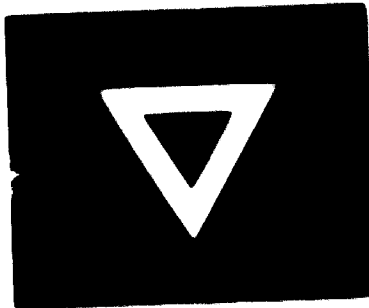
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