



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

22105



F I N A L R E P O R T
1998

UNIDO Contract No. 98/194

Project No. UT/INT/98/025

Purchase Order No. 05-8-42001

Activity Code: 0741CO

Prepared by

TECON Ltd. Prague

(Sectoral Capacity Building: UNIDO - Czech Republic Joint Programme)

Prague, December 1998

A. Introduction

Under the UNDP/UNIDO project DP/CZE/82/006 "National Technical Consultancy and Training Centre", which was implemented during 1983 - 1988, a training centre with personnel, facilities and equipment was established. Thus the conditions for provision of training and consultancy services for the developing countries in a co-operation of former Czechoslovakia and UNIDO were created. The UNIDO - Czechoslovakia Joint Programme for Co-operation, Prague started its operation on 1 March 1988.

The Joint Programme, Prague (JP, Prague) has established a network of cooperating organizations, institutions, enterprises and lecturers in the Czech Republic and in many developing countries. In the course of the implementation of the projects UC/UT/INT/88/091, UC/UT/INT/89/014, UC/UT/INT/90/006, UC/UT/INT/92/020, UC/UT/INT/93/183 and US/UT/INT/95/158 this network has further expanded and at present JP, Prague cooperates with more than 170 organizations, institutions and enterprises and with almost 500 lecturers. JP, Prague's operations are also supported by the cooperation with a number of companies and institutions in developed countries. Additionally, JP Prague also participated in the preparation and implementation of national and interregional UNDP/UNIDO projects in numerous developing countries.

After dividing of Czechoslovakia on 1st January 1993, the Joint Programme has continued its cooperation with UNIDO being fully supported by the Czech Government. JP, Prague coordinates its work and activities with the Ministry of Foreign Affairs of the Czech Republic, Ministry of Industry and Trade of the Czech Republic, Ministry of Environment of the Czech Republic, as well as with the Czech Chamber of Commerce and Industry, Confederation of Industry and Transport of the Czech Republic, research institutions and associations, universities, investment agencies, banks, etc.

B. Scope of services envisaged in the in the Terms of Reference for technical and training services - UT/INT/98/025 project

The Contractor is expected to provide permanent and locally recruited staff, premises and all other necessary facilities (i.e. classroom, computer equipment, copiers, communications, audio and video facilities, industrial visits, etc.) in the above outlined wide range of activities in multiple fields of industries.

The Contractor should organize workshops and study tours as outlined in the paras a) and b) below. The offer for the organization of these events should include all staff cost, fees, accommodation (single rooms in at least 2-star hotels), meals, conference facilities, interpretation, secretarial and logistical support, preparation of training kits and manuals, documentation, report writing, reasonable pocket money, travel and all other costs arising within the Czech Republic. Cost of international travels and expenses of trainees outside of the Czech Republic should not be part of the offer. They have to be borne by the trainees or their employers.

In particular, the following programmes and services should be provided:

a) Workshops

1. *Workshop on Laboratories Supply and Practices for Various Industrial Sectors (food processing)*
Venue: Prague
Date: May 1998
Duration: 2 weeks
Number of participants: 15
2. *Workshop on Small and Medium Size Enterprises*
Venue: Prague and Brno
Date: September 1998
Duration: 2 weeks
Number of participants: 15
3. *Workshop on Environment Protection Equipment and Systems*
Venue: Prague and Brno
Date: October 1998
Duration: 2 weeks
Number of participants: 15

b) Study Tours

1. *Group Study Tour on Private Sector Development and Restructuring of Czech Industry (selected case studies)*
Venue: Prague and Ostrava
Date: June 1998
Duration: 1 week
Number of participants: 8 (from AISU member countries)
2. *Group Study Tour on Environmentally Friendly Technologies*
Venue: Prague, Žďár n/S and Ostrava
Date: June 1998
Duration: 10 days
Number of participants: 6
3. *Group Study Tour on Quality Control and Standardization in Selected Sectors*
Venue: Prague and Brno
Date: August 1998
Duration: 10 days
Number of participants: 10

4. *Group Study Tour on Agricultural Engineering and Food Processes Technologies*
Venue: Prague and České Budějovice
Date: August /September 1998
Duration: 10 days
Number of participants: 5-10

5. *Group Study Tour on Advances in Food Processing Technologies*
Venue: Prague
Date: November 1998
Duration: 10 days
Number of participants: 5-10

c) *Three (3) technical assistance, consultancy, project formulation, diagnostic and advisory missions to developing countries based on UNIDO's request. All the missions should be well documented by submission of detailed back-to-office mission reports and project documents prepared as a result of the mission. The Contractor should provide the services of the consultants for these activities within the budget of the subcontract. The international travels, DSA and terminal expenses will be paid from the budget of this project.*

d) *The Contractor should provide industrial information services on request of developing countries.*

The following workshops and study tours were organized:

a) **WORKSHOPS**

1. **Workshop on Laboratories Supply and Practices for Various Industrial Sectors (Food Processing)**

Prague;

18 - 29 May 1998;

14 participants from 7 countries: China (2), Egypt (2), Jordan (1), Lithuania (3), Romania (3), Sudan (1) and Turkey (2).

2. **Workshop on Small and Medium Size Enterprises**

Prague and Brno;

7 - 19 September 1998;

14 participants from 12 countries: Albania (2), Belarus (1), Egypt (1), Estonia (1), Guinea (1), India (2), Iran (1), Korea (1), Lithuania (1), Romania (1), Sudan (1) and Turkey (1).

3. **Workshop on Environment Protection Equipment and Systems**

Prague and Brno;

12 - 23 October 1998;

18 participants from 9 countries: Argentina (2), Brazil (6), China (1), Egypt (2), Estonia (1), South Africa (1), Syria (1), Tanzania (1) and Turkey (3).

The total number of participants of the above workshops was 46.

JP, Prague cooperated in the preparation and implementation of training programmes organized by TECON and covered from other financial resources:

- Seminar on Social Problems
2 - 6 June 1998;
10 participants from Russia.
- Seminar on Small and Medium Size Enterprises
4 - 13 October 1998;
18 participants from 4 countries: Belarus (10), Bulgaria (2), Poland (1), Ukraine (5).
- Seminar on Business and Trade under Market Economy Conditions: Business and Legislative Aspects
18 - 27 October 1998;
16 participants from 6 countries: Albania (3), Belarus (5), Bulgaria (3), Croatia (1), Romania (2), Ukraine (2).
- Seminar on Municipal System
4 - 13 November 1998;
20 participants from 5 countries: Belarus (10), Bulgaria (3), Moldova (3), Poland (2), Ukraine (2).
- Seminar on Small and Medium Size Enterprises
15 - 21 November 1998;
17 participants from 6 countries: Albania (3), Belarus (7), Bulgaria (2), Croatia (2), Romania (1), Ukraine (2).
- Seminar on Entrepreneurship Development
30 November - 12 December 1998;
20 participants from Ukraine.

b) STUDY TOURS

1. **Study Tour on Environmentally Friendly Technologies**
Prague, Žďár nad Sázavou and Ostrava;
1 - 10 June 1998;
6 participants from 5 countries: Bulgaria (1), Egypt (1), Sudan (1), Turkey (2) and Zimbabwe (1).
2. **Study Tour on Private Sector Development and Restructuring of Czech Industry**
Prague and Ostrava;
7 - 14 June 1998;
6 participants from 3 countries: Algeria (1), Egypt (4) and Morocco (1).

3. **Study Tour on Quality Control and Standardization in Selected Sectors**
Prague and Ostrava;
17 - 26 August 1998;
8 participants from 4 countries: Egypt (4), Morocco (1), Qatar (1) and Syria (2).
4. **Study Tour on Agricultural Engineering and Food Processes Technologies**
Prague and Třeboň;
24 August - 2 September 1998;
5 participants from 5 countries: Brazil (1), Jordan (1), Romania (1), Tanzania (1) and Zambia (1).
5. **Study Tour on Metal Forming and Rolling Mills**
Žďár nad Sázavou and Ostrava;
3 - 11 November 1998;
2 Iranian specialists.
6. **Study Tour on Advances in Food Processing Technologies**
Prague;
15 - 25 November 1998;
4 participants from 3 countries: Egypt (1), Turkey (2), Romania (1).

The total number of participants of the above study tours was 31.

c) **MISSIONS TO DEVELOPING COUNTRIES**

1. **Mission to Croatia**
In compliance with the workshop's conclusions where Croatian participants recommended several training programmes to be prepared and organized by TECON Ltd. in the Czech Republic, the preparation of such training activities was discussed. TECON will prepare these activities both in the framework of the Joint Programme, Prague and in the framework of the Central European Initiative. Co-operation with the Croatian Engineering Association in Zagreb was also discussed.
Ms. D. Trkalová; 22 - 24 November 1998
2. **Mission to Bulgaria**
The purpose is to respond to the Bulgarian invitation in order to discuss and specify in full detail Bulgarian requirement for environmental and social cooperation/assistance and human resource development.
MS. D. Trkalová; 9 - 11 December 1998
Originally scheduled date for this mission had to be postponed for January 1999 (10-12 January) because of Ms. Trkalová's engagement in December 1998.
3. **Mission to Egypt**
This mission planned for December 1998 has not been undertaken so far because there is a problem to find the date suitable for both sides.

d) OTHER RELATED ACTIVITIES

1. The following consultancy/information services were provided by the JP, Prague and cooperating experts:
 - Participation of JP, Prague staff member, Mr. J. Benda in technical consultancy services in India;
 - Consultancy services of Mr. M. Rudolf, expert in CMMS, for UNDP/UNIDO project DP/SYR/92/006 „Introduction of Computerized Managed Maintenance Systems into the Syrian Industrial Sector“;
 - Consultancy services of Mr. M. Rudolf, expert in CMMS, for proposed Arab Regional Project on CMMS.

2. The following reports were prepared by JP, Prague experts for UNIDO:
 - Annual Report of the JP/MI activities in 1997;
 - Summary Evaluation Report of the Workshop on Laboratories Supply and Practices for Various Industrial Sectors (Food Processing);
 - Evaluation Report of the Study Tour on Private Sector Development and Restructuring of Czech Industry;
 - Evaluation Report of the Study Tour on Environmentally Friendly Technologies;
 - Evaluation Report of the Study Tour on Quality Control and Standardization in Selected Sectors;
 - Summary Evaluation Report of the Study Tour on Agricultural Engineering and Food Processes Technologies;
 - Summary Evaluation Report of the Workshop on Small and Medium Size Enterprises;
 - Evaluation Report of the Workshop on Environment Protection Equipment and Systems;
 - Summary Evaluation Report of Study Tour on Advances in Food Processing Technologies.

3. The following projects documents, projects proposals and project formulation frameworks were worked out by JP, Prague, experts from cooperating organizations and UNIDO staff members, or are under preparation:

- Project concept „Improving the awareness for introducing environment management systems (EMS) for small and medium enterprises in the Czech Republic to increase their competitiveness on both domestic and foreign markets“
 - Eight project topics for agro oriented workshops and study tours
 - Project document „Regional study to strengthen the capacity of AISU in identifying the strategies needed to sustain environmentally acceptable industrial development at sector level“
 - Project concept „Development of small and medium enterprises promotion in the Czech Republic“
4. In the field of financial analysis of investment projects based on the UNIDO methodology and COMFAR software the following activities took place:
- The Czech language module of the COMFAR III Expert has been developed by Mr. Herman and submitted to UNIDO.
 - The COMFAR system has been utilized for consulting various investment projects in 6 companies throughout the Czech Republic.
 - As a result of the consulting and/or the promoting activity, 7 potential licensees of the COMFAR III Expert have been instructed, 6 of them being new licensees. Altogether, 3 license agreements have been signed in this year, plus at least 2 Czech language modules licensed.
 - The education and training activity in the field of the financial analysis methodology and COMFAR system utilization was continuing during the period. TECON organized in cooperation with JP/MI seminars and workshops covering the topics according to the requirements of companies, including case studies. Altogether 10 participants attended 3 one week seminars on COMFAR III Expert.
 - Mr. Herman conducted 2 shorter (1 day) instructive lectures on the financial analysis of investment projects and the COMFAR III Expert utilization for the Central European Initiative (30 participants) and one for UNIDO - JP Workshop (15 participants).
 - Mr. Herman attended the Advanced COMFAR III Expert Training Workshop held in Vienna, Austria in November 1998.
 - Mr. Herman has also prepared the Czech translation of the original UNIDO promotion materials (brochures) for COMFAR to be published by UNIDO.

5. Preparation and distribution of JP/TECON Newsletters:
- Newsletter no. 1/1998 with company profiles of: Kovofiniš, a.s., Ledec nad Sázavou; Pacov Engineering Works, Joint Stock Company; TOS Čelákovice a.s.; and with an offer of Maintenance Management System called MISSION and with a list of JP, Prague training activities scheduled for 1998.
 - Newsletter no. 2/1998 with company profile of ŽĐAS a.s., Engineering Works and Foundries, Žďár nad Sázavou.
 - Newsletter no. 3/1998 with company profiles of: Pacov Engineering Works, Joint Stock Company; TOS Čelákovice a.s., Machine Tools Manufacturer; GES Ltd. Ostrava; and with the information about Maintenance Information System „MISSION“.
 - Newsletter no. 4/1998 with company profiles of: AGSS Ltd. Prague; GEW Consulting Ostrava; Czech University of Agriculture, Prague; and with list of JP, Prague training programmes scheduled for 1999 will be prepared at the beginning of 1999.
6. The experts of the JP, Prague promoted UNIDO's and Joint Programme's tasks and activities in a lot of occasions and they participated in several international/national exhibitions and other events, namely:
- Participation in the international conference „Euro-Asian Bridge“; Prague, Czech Republic; 28 January 1998; Ms. D. Trkalová
 - Participation in the seminar „Preparation of the Czech Republic entry into the European Union“; Prague, Czech Republic; 16 April 1998; Ms. D. Trkalová
 - Co-operation in preparation in working meetings „EKO-KONTAKT“ (ECO-CONTACT meetings) organized by the Good Economic System Ltd. (GES) Ostrava
 - Participation at the working meeting “EKO-KONTAKT” (ECO-CONTACT meeting) organized by the GES Ltd. Ostrava and aimed at „Municipal waste management before entering the 21 century and the European Union“; Wetzikon, Switzerland; 8 - 13 September 1998; Ms. Z. Stará
 - Cooperation in preparation and participation in one-day meetings aimed at „Strategic reasons of the management for EMS, EMAS and ISO 14001 introduction in Czech enterprises“ organized by GES Ltd. Ostrava and held in February, March, April and May 1998
 - Participation in the International Engineering Fair in Brno, Czech Republic; 14 - 18 September 1998; Ms. D. Trkalová, Mr. P. Žirovnický, Ms. M. Bohmová, Ms. Z. Stará; Mr. P. Trkal
 - Preparation and realization of one-day informative and contact seminar “The Arab and

African Day of Industry and Trade”, Brno (Brno Congress Centrum / Brno Trade Exhibition Area), Czech Republic; 16 September 1998;

The aim of this seminar was to make the Czech companies familiar with possibilities of co-operation with Arab and African countries in the area of technical assistance, trade and joint ventures;

100 participants: representatives of Czech companies/institutions; representatives of Egypt, United Arab Emirates, Republic of South Africa, Ghana, Tunisia, Nigeria, Guinea, Palestine, Republic of Kongo and a group of participants of the international workshop on small and medium size enterprises.

- Preparation and realization of the Czech participation in the WORLDAID'98 Exhibition and Conference held in Geneva, Switzerland; 6 - 8 October 1998; Ms. D. Trkalová, Mr. P. Žirovnický, Ms. Z. Stará
- Participation in the International Environmental Fair (ENVIBRNO) in Brno, Czech Republic; 20 - 23 October 1998; Ms. Z. Stará
- Participation in the international fair of information technologies INVEX-Computer in Brno, Czech Republic; 7 - 9 October 1998; Mr. P. Trkal