1. Basic Information

1.1. Désirée Number  
CZ00– 06-03

Twinning Number  
CZ2000/IB/EN/03

1.2. Title  
Institutions for Permitting and Monitoring in the Air Quality Sector

1.3. Sector  
Environment

1.4. Location:  
Ministry of the Environment, Air Protection Department,  
Czech Republic

2. Objectives

2.1. Wider Objectives

Ability to take on the obligations of membership, including adherence to the aims of political,  
economic and monetary union.

2.2. Immediate Objective

- transposition, implementation and enforcement of the relevant environmental acquis  
in the line with the EU legislation on the air sector

2.3. Accession Partnership and NPAA Priority

Accession Partnership asks to:

- accelerate in 2000 the transposition and enforcement of framework legislation in the areas of  
water quality, waste management, Integrated Pollution Prevention Control, nature protection and  
air quality

- complete transposition and implementation of framework and sectoral legislation, continue  
strengthening of administrative, monitoring and enforcement capacity.

NPAA indicates the following tasks:

- to provide institutional background for the implementation of the Air Quality Framework  
Directive

- to strengthen inspection activities and accreditation of measuring units (emission monitoring,  
liquid fuels quality control).

On top of that successful administration of the project would contribute to the implementation of the  
IPPC in the air sector, other crucial medium term of NPAA priority.

3. Project Description

3.1. Project Background / Justifications

Against Pollutants” ("the Clean Air Act") and related Act No. 389/1991 Coll., “On State Administration  
in Air Protection and Payments for Air Pollution”.

Some obligations of relevant EC Air Quality Directives have been already implemented by Government  
Decree No. 117/97 Coll. on establishing emission limits and other conditions of operations of stationary  
sources of air pollution and for air protection.

Transposition of Directive 96/62/EC “on ambient air quality assessment and management” and other  
valid directives covering Air Quality and Industrial Pollution Control fields will be transposed by  
adoption of the new “Clean Air Act” and its implementing decrees by the end of 2001.
As regards the permitting system of the air pollution sources, facilities are divided into two groups:

- those which will need integrated permits according to the IPPC Act;
- other air pollution sources permitted in compliance with new Clean Air Act.

3.2. Linked Activities

- **Phare Projects**
  - CZ 9809 / 02 01 "Implementation / Investment Strategies for EC Air Directives” starting June 2000.

- **Other Projects**
  funded from the national budget, commissioned by the Ministry of the Environment:
  - Study as source materials for new Air Protection Legislation fully compatible with relevant EC Legislation - completed by the end of 1999.

3.3. Results / Outputs

The following particular results are expected:
- clear description and in particular establishment of all relevant institutions,
- specification of their individual responsibilities and how they will interact, as specified in the “New Clean Air Act”, in order to ensure compliance of the acquis with the EU legislation
- trained staff capable of applying the acquis effectively
- completed & comprehensive air quality monitoring system capable of recording all parameters required by EC legislation

3.4. Activities/ Inputs

a) Review of the current institutional situation in the air quality sector

b) Needs analysis – Action Plan on distribution of duties, responsibilities and relation of the “required Air Protection Institutions” (further RAPIs) according to the Air Protection EU legislation, development of a guide for permitting and monitoring system in Air Quality Sector.

c) establishment of the RAPIs (permitting, and monitoring institutions), development of training curricula, manuals, effective transfer of the approach of a EU member country

d) operational start-up, including training, providing for effective collaboration among the RAPI’s

**Twinning component (0.7M€)** -

EU Pre-Accession Advisor (PAA) for continuous 1.5 year duration;

**Duties and Expected Profile of the PAA:** The PAA will advise on size, structure, efficiency, extent of independence of bodies, application of EC law; key tasks will include a needs analysis, establishment of institutions and the training of relevant staff. On the basis of his recommendation the decision on procurement of equipment will be taken

Requirements for Education: University Degree, Further Degree would be welcome;

Minimum practical experience in the Air protection state administration: 8 years; experience in the EU planning/legislative structures would be a benefit

Good knowledge of existing, correspondingly operating institutions in the partner country (or in addition in some other EU member countries);
Experience in management and advisory;
Good command of English Language;
Capability to learn and understand the Czech situation in Air protection field;
Short term expertise - on EC Air Quality legislation
  • Air Quality Framework Directive: grading, evaluation of pollution sources for the purpose of inventory
  • Large Combustion Plants Directive (EEC/88/609): permitting and monitoring
  • Air Quality Limits: development and verification of methodologies (measurement of resources, monitoring)
  • Technical Requirements of “Emission Directives”
  • approved Action Plan, Air Quality information system, training handbooks, manuals and tools;
  • travel costs, supporting materials, workshops, training, study tours.
A suitable distribution of relevant tasks within the twinning team will be a criterion for the selection procedure.

Investment Component- (1 M€)
Supporting equipment for providing for the EC directives relating to air protection requirements and assessment of needs will be provided by independent expert.

Equipment for air-quality monitoring:
  • Continual PM 10 Analysers (Particulate Matters < 10 µm)
  • Continual PM 2.5 Analysers (Particulate Matters < 2.5 µm)
  • Sampling PAH devices (Polyaromatic Hydrocarbons).
  These devices will be incorporated to the national air quality monitoring network.

4. Institutional Framework
The Ministry of the Environment is the responsible body for overall harmonisation and implementation of environmental legislation. It coordinates cooperation among all involved institutions.

Air Protection Department of MoE (present capacity 13 persons) is appointed to:
  • Act as the Central Administration body for Air Protection in the Czech Republic
  • Carry out supreme state supervision in air protection sector
  • Act as the responsible body for fulfilment of requirements of the International Treaties
  • Prepare new harmonised legislation covering relevant EC law in Air Quality & Industrial pollution control

The Czech Environment Inspectorate (65 persons for air protection issues in 10 regional branches) is in charge of checking the duties and penalising. For the time being it acts as permitting institution as well. It contemporarily lacks quality laboratory equipment and has to commission the duties to private laboratories. This arrangement misses the reference authority responsible for methodology, quality assurance and quality control.

The set up of the new permitting body supposes to separate this permitting function from the Czech Environmental Inspectorate.

The Czech Hydrometeorological Institute /Central Office in Prague and 5 local branches - 130 persons for air quality is responsible body for Air Quality monitoring.

The new “Clean Air Act” will assign permitting obligations in the air quality field on all 3 levels of the state administration. Basic tasks will be carried out by Environmental Protection Units of the District Offices (80 districts in the Czech Republic), intermediate level will be represented by Environmental Protection Units within the Regional Offices (14 districts to be established in the Czech Republic in 2000) where the air protection duties will be a complementary obligation to the IPPC implementation. The
Ministry of the Environment will remain the supreme permitting body in the Czech Republic. The Czech Environmental Inspectorate and The Czech Hydrometeorological Institute remain support institutions for decision making process responsible for checking, penalising and monitoring.

In order to strengthen the co-ordination among involved institutions and to enable effective response to their expected development, this project should bring the medium and long-term conceptual solution. The overall responsibility will rest with the Air Protection Department, where the PAA’s office will be located.

5. Detailed Budget in (M€)

<table>
<thead>
<tr>
<th>Sub-Project</th>
<th>Institution Building /IB/</th>
<th>Investment /IN/</th>
<th>Total Phare / = IB + IN /</th>
<th>Co-financing (Investment)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twinning</td>
<td>0,7</td>
<td></td>
<td></td>
<td></td>
<td>0,7</td>
</tr>
<tr>
<td>Investment in Institution Building</td>
<td>1,0</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Investment in Institution Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0,5</td>
</tr>
<tr>
<td>Total</td>
<td>0,7</td>
<td>1,0</td>
<td>1,7</td>
<td>0,5</td>
<td>2,2</td>
</tr>
</tbody>
</table>

6. Implementation Arrangements

6.1. Implementing Agency:
The CFCU is the Implementing Agency responsible for tendering, contracting and accounting. The project will be administered by CFCU: Mr. Jan Slavícek, CFA, kpt. Jaroše 1000, Praha 7, Czech Republic

6.2. Twinning -
Responsibility for technical preparation and control will remain with the beneficiary – Ministry of the Environment, Project Manager: Ms Eva Rychlikova, MoE, Vrsovicka 65, 100 00 Prague 10 rychlikova@env.cz

6.3. Non – standard aspects
DIS Manual will be strictly followed. Twinning is proposed in the amount of 0,7 MEUR.

6.4. Contracts
Two contracts are foreseen:
- Twinning - 0,7 MEUR,
- Investments - 1,0 MEUR

7. Implementation Schedule
Start of Twinning Selection: 3Q/00 Start of Investment Tender: 3Q/00
Start of Twinning Activity: 2Q/01 Start of Supply Delivery: 4Q/00
Project Completion: 3Q/02 Project Completion: 4Q/02

8. Equal Opportunity
Equal opportunity principles and practices in ensuring the most benefiting participation in the project will be guaranteed.

9. **Environment:** N/A

10. **Rates of Return:** N/A

11. **Investment Criteria:** The investment components of this Project all relate directly to Institution Building activities. All investment is to be tendered immediately. Specifications will be reviewed by independent experts within the framework of twinning where possible and appropriate.

12. **Conditionality and Sequencing**

The assistance is proposed in a form a twinning for the sub-programme with adequate institutions responsible for state administration in the Air Protection sector in EU countries. Availability of such experts represents a necessary precondition.

Successful implementation of the project is connected with passing the new clean air act, the final wording of which is due to be dealt with by the Czech Government in December 2000 and submitted to the Parliament in October 2001.

The government undertakes to ensure the necessary financing is made available to staff & operate the new RAPIs.

### Annexes to Project Fiche

1. Logframe Matrix
2. Detailed Implementation Chart
3. Cumulative Contracting and Disbursement Schedule
4. Related PHARE Activities and other projects
5. List of Applicable Laws
6. Investment Component:
## Logframe Matrix

### Project title: Institutions for permitting & monitoring in the Air Quality sector

**Annex 1**

- **Planning Period**: 2000 – 2002
- **Cont. expiry date**: 31/10/02
- **Disb. expiry date**: 31/10/03

### Project Number: CZ 00-06-03

- **Phare contribution**: 1.7 m€
- **Total budget**: 2.2 m€

<table>
<thead>
<tr>
<th>Wider Objectives</th>
<th>Indicators of Achievement</th>
<th>Sources of Information</th>
<th>Assumptions and risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to take on the obligations of membership, including adherence to the aims of political, economic and monetary union.</td>
<td>• Acknowledgement of European Commission</td>
<td>• EC Regular Report</td>
<td>• Other Copenhagen criteria fulfilled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immediate objectives</th>
<th>Indicators of Achievement</th>
<th>Sources of Information</th>
<th>Assumptions and risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>transposition, implementation and enforcement of the relevant environmental acquis in line with the EU legislation on the air sector</td>
<td>Operational state administration in following specific areas: • permitting system on national, regional and local level • air quality assessment, creation of zones and preparation of Air Quality improvement Action Plans • operational institutions on monitoring and penalising • establishment of responsible body for accreditation of measurement units • transmission of information and reports to the responsible EU bodies • improvement of existing Air Quality Information System</td>
<td>• project reports • Air Quality Information System • screening reports • EC Regular report</td>
<td>• Other parts of the acquis implemented</td>
</tr>
</tbody>
</table>

### Outputs

<table>
<thead>
<tr>
<th>Indicators of Achievement</th>
<th>Sources of Information</th>
<th>Assumptions and risks</th>
</tr>
</thead>
</table>
- clear description and in particular establishment of all relevant institutions,
- specification of their individual responsibilities and how they will interact, as specified in the “New Clean Air Act”, in order to ensure compliance of the acquis with the EU legislation
- trained staff capable of applying the acquis effectively
- completed & comprehensive air quality monitoring system capable of recording all parameters required by EC legislation

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Assumptions and Risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Twinning - 0.7 MEUR,</td>
<td>- Adoption of new Clean Air Act</td>
</tr>
<tr>
<td>- Supply of monitoring equipment - 1.0 MEUR</td>
<td>- provision of cofinancing</td>
</tr>
<tr>
<td>a) available review of fulfilling the duties and tasks by related State administration institutions in permitting, controlling and monitoring areas according to the current Czech air protection legislation</td>
<td>- existing monitoring equipment is sufficient to complete system satisfactorily</td>
</tr>
<tr>
<td>b) full detail proposal of institutional arrangement – approval of the Action Plan proposal on goals and plans of the Required Air Protection Institutions</td>
<td>- availability of local resources (staff) for the RAPIs</td>
</tr>
<tr>
<td>c) institutions in place, clear distribution of duties and responsibilities</td>
<td>- sufficient funding of Required Air Protection Institutions operations from national budget</td>
</tr>
<tr>
<td>d) issuing permits</td>
<td>- Use of outputs from previous completed Phare Projects</td>
</tr>
</tbody>
</table>

- RAPIs reports
- screening reports
- EC Regular Report

- all recommendations implemented
- staff retained

- Adoption of new Clean Air Act
- provision of cofinancing
- existing monitoring equipment is sufficient to complete system satisfactorily
- availability of local resources (staff) for the RAPIs
- sufficient funding of Required Air Protection Institutions operations from national budget
- Use of outputs from previous completed Phare Projects
- Use of outputs from CZ 9809 / 02 01 "Implementation / Investment Strategies for EC Air Directives", starting June 2000.
- Use of projects funded by Ministry; Air Quality Legislative Gaps Analysis Study - completed in 1998; Study as source materials for new Air Protection Legislation fully compatible with relevant EC Legislation - completed by the end of 1999.
### Detailed Implementation Chart for the Project: Institutions for Permitting and Monitoring in the Air Quality Sector

#### Year: 2000 - 2003

<table>
<thead>
<tr>
<th>Detailed Project Implementation</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
</tr>
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<tbody>
<tr>
<td><strong>Institution Building</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Twinning and Training Package</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Launch Twinning request to Member States (June 2000)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>- Selection of MS(s) for twinning</td>
<td></td>
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<tr>
<td>- Elaboration of twinning covenant</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>- Submit Twinning covenant to Commission &amp; Steering Committee for approval</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>- Twinning Package commences</td>
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<td></td>
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</tr>
<tr>
<td>1. Situation Review</td>
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<td>X</td>
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<tr>
<td>2. Needs Analysis</td>
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<td>X</td>
</tr>
<tr>
<td>3. Build up of the RAPI’s</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>4. Operational start up</td>
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<tr>
<td><strong>Investment Component</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>tender documents submitted to EC</td>
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<td></td>
<td></td>
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<tr>
<td>- Tender Launch</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Contract(s) Signature</td>
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</table>
## Cumulative Contracting and Disbursement Schedule for the Project (M €)

### Annex 3

#### Cumulative Quarterly Contracting Schedule (M €)

<table>
<thead>
<tr>
<th>Project</th>
<th>3Q/00</th>
<th>4Q/00</th>
<th>1Q/01</th>
<th>2Q/01</th>
<th>3Q/01</th>
<th>4Q/01</th>
<th>1Q/02</th>
<th>2Q/02</th>
<th>3Q/02</th>
<th>4Q/02</th>
<th>1Q/03</th>
<th>2Q/03</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institutions for Permitting and Monitoring in the Air Quality</td>
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<td>1.7</td>
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<td>-----</td>
<td>-----</td>
<td>-----</td>
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<td>1.7</td>
</tr>
</tbody>
</table>

#### Cumulative Quarterly Disbursement Schedule (M €)

<table>
<thead>
<tr>
<th>Project</th>
<th>3Q/00</th>
<th>4Q/00</th>
<th>1Q/01</th>
<th>2Q/01</th>
<th>3Q/01</th>
<th>4Q/01</th>
<th>1Q/02</th>
<th>2Q/02</th>
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<th>2Q/03</th>
<th>Total</th>
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<tbody>
<tr>
<td>Institutions for Permitting and Monitoring in the Air Quality</td>
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<td>1.7</td>
<td>1.7</td>
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</tr>
</tbody>
</table>
Annex 4

Related PHARE Activities and other projects.

1. Phare Projects


2. ISPA Project

"The Complex Monitoring and Assessment of Hydrosphere and Atmosphere for Decision Making Support in Environmental Protection and Improvement of Early Warming in Case of Disasters with Respect to EU Requirements” submitted for ISPA 2000

3. Other Projects

/funded by Ministry of Environment of the Czech Republic/

A/ Air Quality Legislative Gaps Analysis Study completed in 1998.

Annex 5

List of Applicable Laws

**Council Directive 96/62/EC** on ambient air quality assessment and management and daughter directives

**Council Decision 97/101/EC** on establishing reciprocal exchange on information and data form networks and individual stations measuring ambient air pollution within the Members states

Information obligations (other directives in the Air Protection Area), transmission of information and reports to the responsible EU bodies

---

Investment Component

Supporting equipment for providing for the EC directives relating to air protection requirements:

Equipment for air-quality monitoring with estimated costs

<table>
<thead>
<tr>
<th>Technical specification</th>
<th>Number</th>
<th>Costs M€ approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continual PM 10 Analysers (Particulate Matters &lt; 10 µm)</td>
<td>50</td>
<td>0,68</td>
</tr>
<tr>
<td>Continual PM 2,5 Analysers (Particulate Matters &lt; 2,5 µm)</td>
<td>10</td>
<td>0,15</td>
</tr>
<tr>
<td>Sampling PAH devices (Polyaromatic Hydrocarbons)</td>
<td>10</td>
<td>0,17</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>1.00</strong></td>
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</table>