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for International Co-operation in the Field of Ceramics,
Building Materials and Non-metallic Minerals Based Industries
Pilsen, Czechoslovakia

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TECHNICAL WORKSHOP
FOR SELECTED STUDENTS FROM DEVELOPING COUNTRIES

Organized by the UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen, in co-operation with Press Agency Orbis, Prague

on the 17 March 1989

FINAL REPORT

This report has been prepared by:

UNIDO-Czechoslovakia Joint Programme,
Non-metallic Industries, Pilsen

A handwritten signature in cursive script, likely of the author or a representative of the organizing institution.

Pilsen, Czechoslovakia

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I. INTRODUCTION

The Technical Workshop for Selected Students from Developing Countries was organized by the UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen⁺, in co-operation with Press Agency Orbis, Prague, for students studying the technical universities in Czechoslovakia.

The objective of the Workshop was to make the students from various developing countries acquainted with the integrated exploitation of non-metallic minerals and rocks, with the level of non-metallic industries in Czechoslovakia and also with the role and activities of the UNIDO, the Joint Programme, Pilsen and the Research Institute for Ceramics, Refractories and Non-metallic Raw Materials, Pilsen.

⁺ Note: hereinafter called Joint Programme, Pilsen

II. PARTICIPANTS

16 selected students from 12 developing countries took part in the Workshop. Their list is presented in Annex I.

III. LANGUAGE

The programme was conducted in Czech and English languages.

IV. ORGANIZATION OF THE WORKSHOP

Organization of the Workshop was ensured by the staff of the UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen.

1. Programme of the Workshop

The programme of the Workshop comprehended industrial study visits to production plants on wall tile production (Westbohemian Ceramic Works, Horní Bříza) and kaolin excavation and dressing (Westbohemian Ceramic Works, kaolin washing plant, Kaznějov). The visits were enriched by the discussions giving the participants opportunity to extend their knowledge and to exchange their opinions and experience with managers and technical staff in the production plants.

A lecture presented by Mr. Z. A. Engelthaler, Chief Executive of the UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen during afternoon was intended on the activities of the UNIDO and the Joint Programme, Pilsen and on the possibilities of a co-operation with various developing countries in the areas of ceramics, building materials and integrated utilization of non-metallic raw materials.

Mr. Z. A. Engelthaler informed the participants about possibilities to participate in future activities of the

Joint Programme such as fostering of twinning arrangements, individual and group training programmes (study tours, seminars, meetings, workshops, fellowships), testing of non-metallic raw materials, transfer of know-how and technologies to developing countries, energy management and conservation programme, environmental engineering and advanced ceramics programmes. The lecture was completed by round table discussions.

2. Documentation and Aids

The following documentation and aids were handed over to each of the Technical Workshop participant:

- Multilingual vocabulary for ceramic industry and non-metallic raw materials
- Cumulative list of the Joint Programme publications
- Bulletins booklets and technical leaflets of the Joint Programme
- English-Czech Practical Handbook
- Technical publications of the Joint Programme - various

3. Discussions

The participants enriched their scope of knowledge during the discussions with the representatives who are mentioned in Annex II.

4. List of Locations of the Workshop

- a) UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen
- b) Westbohemian Ceramic Works, Horní Bříza
 - Wall tile plant at Horní Bříza
- c) Westbohemian Ceramic Works, Horní Bříza
 - Kaolin washing plant at Kaznějov

V. EVALUATION OF THE WORKSHOP

The workshop offered the opportunity for selected students from 12 developing countries to extend their experience and to upgrade their knowledge in the area of exploitation of non-metallic raw materials. The participants got acquainted with the role and significance of UNIDO and the Joint Programme, Pilsen for developing countries. They were made familiar with the possibilities for co-operation between the UNIDO and their respective countries in the effective utilization of mineral resources. The participants expressed their gratitude to the Joint Programme, Pilsen for arranging the workshop and they recommended to arrange regular workshops and seminars for students from developing countries studying the technical universities in Czechoslovakia.

LIST OF PARTICIPANTS

Angola	Pedro Cassinda
Angola	Isaac Continho
Benin	Antonin Degbo
Bolivia	Gabriel Blanco Argollo
Colombia	Mario Espitia
Ethiopia	Archebir Esayas
India	Gouri Boyna Sukumar
Iràq	Ahmed Sendi
Madagascar	Rino Randremadororo
Madagascar	Julien Tsiatsipy
Mali	Abu Bakri Deme
Mali	Mohamed Ludvík Touré
Mozambique	Armando Manhengane
Mozambique	Philippe Tembe
Sri Lanka	Kumari Amarasinghe
Zimbabwe	Gordon Gomba

LIST OF REPRESENTATIVES DURING DISCUSSIONS

- Mr. Z. A. Engelthaler, Chief Executive of the UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen and Director of the Research Institute for Ceramics, Refractories and Non-metallic Raw materials, Pilsen
- Mr. J. Široký; Director of the Westbohemian Ceramic Works, Horní Bříza
- Mr. J. Dlouhý, Technologist, Westbohemian Ceramic Works, Horní Bříza, Wall Tile Plant at Horní Bříza
- Mr. M. Engelthaler; Senior Researcher; Westbohemian Ceramic Works, Horní Bříza
- Mr. P. Havel, Chief Technologist; Westbohemian Ceramic Works, Horní Bříza, Kaolin Washing Plant at Kaznějov
- Ms. E. Engelthalerová, Chief of Administration, UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen
- Mr. F. Pecháček, Expert, UNIDO-Czechoslovakia Joint Programme, Non-metallic Industries, Pilsen