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*for a sustainable future*

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Ad-Hoc Expert Group Meeting on Industrial  
Construction in Developing Countries

Vienna, 20 - 26 November 1974

AIDE-MEMOIRE

We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche.

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## 1. Introduction

It is a known fact that industrial construction represents a major component of the industrial development process in all countries. It is equally true that industrial construction serves all branches of industry and uses many of their end products. Consequently, a speedy and well-organized development of industrial construction is a prerequisite for speedy development of the industrial sector and the economy of a country as a whole.

The need of developing countries for developing the industrial construction sector and obtaining technical assistance to achieve this objective in the fastest and most effective way has been expressed in recent international meetings by government officials of many developing countries as well as international experts.

## 2. UNIDO Work Programme in Industrial Construction

Bearing this in mind, the UNIDO Industrial Construction Unit has designed a programme of work which includes technical assistance and supporting activities (study, training and meetings) with the objective of assisting developing countries in developing their industrial construction sector. This work programme comprises four main groups of activities which may be briefly outlined as follows:

### a) Development of the industrial construction sector and industrialisation of construction processes

This includes the identification of the problems and shortcomings impeding the development of this sector; framing of pertinent sectoral development strategy; long-term planning based on the interface between this sector and other branches of industry; and setting-up implementation policies. In addition, it includes the review, study and application of methods for industrializing construction processes. Emphasis here is given to low-cost systems which while utilizing indigenous building materials do not impair the quality of the end product.

b) Industrial construction design and technology

This includes the preparation and selection of industrial construction designs and their standardization, taking into consideration the needs and requirements of industrial and construction projects, their environment and available resources such as building materials and manpower. It also deals with the improvement and selection of construction techniques; development of indigenous construction techniques adapted to local conditions; maintenance of industrial buildings and construction equipment; and the establishment of quality standards and quality control methods. It is envisaged to establish an industrial construction information service for the collection and analysis of data on construction designs and techniques for those branches of industry which are common to most developing countries and the dissemination of pertinent information, particularly to industrial construction firms and contractors in developing countries.

c) Implementation and construction of industrial projects

This covers both the technical and managerial aspects of the implementation and construction of industrial projects in developing countries. The former includes the technical work to be accomplished in the various phases of project implementation and construction, such as project design, detailed project engineering, preparation of tender specifications, tendering, contracting and contract planning and supervision, factory construction and start-up. The latter involves project management, i.e. the planning, scheduling, organizing, monitoring and control of the accomplishment of the work in these project phases in order to complete projects on time, within budget allocations and according to specifications and quality standards.

d) Transfer of Construction know-how

This deals with the development and upgrading of the capability of industrial construction firms and contractors in developing countries. Apart from direct technical assistance to be provided for solving organizational and technical problems in this respect, one of the functions of UNIDO in this field is to work as a catalyst in transferring construction know-how. This may be achieved through bringing together

industrial construction firms and contractors from developed and developing countries to define the formats for the technology transfer and initiate possible programmes of co-operation to this effect. Attention should be given to promoting co-operation between the developing countries.

### 3. Objectives of the Meeting

- a) To discuss the four groups of activities of industrial construction mentioned under Section 2 above, with a view to elaborating on the various areas or subjects and methods that should be included under each group and preparing, on this basis, a list of those areas, including reasons for their selection, their detailed description and interlinkages, and how UNIDO can accomplish them.
- b) To propose specific studies to be undertaken which should be related to the activities under item a) above.
- c) To recommend training programmes pertinent to the afore-mentioned four groups of activities, Section 2 above, and propose a detailed outline for each programme, its duration, sessions and available reference material.
- d) To put the outcome of items a), b) and c) above in a report, which will be in such a form as to enable its direct circulation to developing countries, so that the information included can be disseminated immediately.

### 4. Documentation of the Meeting

This will include:

- a) A background paper on UNIDO activities in industrial construction corresponding to Section 2 above.
- b) A brief paper to be prepared by each participant in this Meeting including his impressions regarding these groups of activities and the main issues and proposals he would like to raise in the Meeting.

5. Language of the Meeting

The working language of the Meeting will be English.

6. Organization of the Meeting


The expert group meeting will be organized by UNIDO. It will be attended by about 10 experts selected according to their background and experience in the above-mentioned areas.

7. Location and Duration of the Meeting

The Meeting will be held at UNIDO Headquarters:

Lerchenfelderstrasse 1  
Room II-504  
A -1070 Vienna  
Austria

and is scheduled to be held between 20 - 26 November 1974.







**74.11.27**