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DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES

DP/TUR/76/034

TURKEY


M.M. Luther

Aralik 1983
DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES
DP/TUR/76/034
TURKEY


Prepared for the Government of Turkey by the United Nations Industrial Development Organisation acting as executing agency for the United Nations Development Programme

Based on the work of Capital Goods Development Project in Turkey

United Nations Industrial Development Organisation Vienna

This report has not been cleared with the United Nations Industrial Development Organisation which does not, therefore, necessarily share the views presented.
DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES
BP/THR/76/014
TURKEY

of Demand Data for the
Pulp and Paper Industry (SIMEA)
UNITED NATIONS

DEVELOPMENT PROGRAMME IN TURKEY

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

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UNITED NATIONS DEVELOPMENT PROGRAMME IN TURKEY

1. INTRODUCTION

The United Nations Development Programme (UNDP) in close collaboration with the United Nations Industrial Development Organization (UNIDO) aimed to expand the capital goods manufacturing industry. For the planning of this critical industry, a detailed techno-economic analysis was carried out to identify the potential sectors and locations for the establishment of industrial enterprises. The analysis carried out is given in Table 1.

1.1. The results of the analysis show that the demand for industrial products is relatively high in the country. The details of the demand and supply chain analysis are given in Table 1 (which also includes the estimated demand and supply chain data).

1.2. The revised plans have been formulated based on the results obtained from the demand and supply chain analysis. Accordingly, the revised plans for capital goods have been approved by UNIDO. The revised plans have been used as input for the subsequent projects.
The main objective of the computerization is aggregation of the total national demand for plate fabricated equipment (in terms of specifications and combinations) or specified range of weight, type of material and class characteristics, and for other machinery in terms of major specifications and nomenclature.

The study was conducted by an engineering official, under the direction of Mr. K. B. Bashir, Chief Technical Adviser, Capital Goods Project.

The project management is general control of President Mr. Mustafa Ata, Chief of Technical Operations, Mr. Bahia Yildirim, and Mr. Zihni Bozyar. The computerization work is supervised by Mr. Mustafa Ata.

Mr. Zihni Bozyar, National Project Coordinator of the Capital Goods Development Project and Director of Planning Division, has been associated with the work of all stages.

[Signature]

[Initial]

Chief Technical Adviser,
Capital Goods Project in Turkey.
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

NATIONAL PRIORITIES

USER INDUSTRIES

POWER
- Generation
- Distribution
- Transmission

MINING (coal, chemicals)

PULP & PAPER

CEMENT

FOOD & BEVERAGES

CHEMICALS & PETROCHEMICALS

FERTILISERS & PESTICIDES

RAILWAYS

MACHINE BUILDING INDUSTRIES

MACHINE TOOLS METAL CUTTING

FORMING

DIESEL & PETROL ENGINES

ELECTRIC MOTORS & INDUSTRIAL MACHINERY

PUMPS & COMPRESSORS

Which require for manufacture

FACILITIES FOR HIGH ACCURACY

MACHINING & ASSEMBLY

AND

Whose capital goods require for manufacture

INFRASTRUCTURE

STEEL FABRICATION

CASTINGS

FORGINGS

ELECTRICALS
2.1.4. The capital goods requirement up to 2000 by the Pulp and Paper Industry (SCKA) have been determined and codified under 15 digit codes. The information gathered are transferred on to a computer programme and data aggregated. The computer outputs give the total requirement for capital goods both by weight and cost, yearwise, on the basis of anticipated year of commissioning of user plants. The results are analysed with respect to existing manufacturing capacity for different types of capital goods to different specifications so that additional manufacturing facilities where necessary can be planned in time.

2.1.5. The computer outputs are mainly of three types. The first one shows the equipment requirement by 5 digit. The second one shows the demand for plate fabricated equipment in terms of weight, material and plate thickness. The third one is the 15 digit aggregation of machinery.

2.2. The capital goods requirement of the pulp and Paper Industry (SCKA) mentioned in the related technical report No. XIV have been updated on the basis of the draft 5th Five Year Plan and data computerised. The updated project list is on table No. 2.
CAPITAL COST DEVELOPMENT PROJECT IN TURKEY

COMPARISON OF INVESTMENT PROJECTIONS IN PROJECT’S TECHNICAL REPORTS AND THOSE INDICATED BY GPO WITH REFERENCE TO TURKISH 5 YEAR DEVELOPMENT PLAN IN APRIL 1983

Table 12.8

PULP AND PAPER INDUSTRy (SPEX)

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PLATE FABRICATED MACHINES

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