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Distr. RESTRICTED

**UNITED NATIONS
INDUSTRIAL DEVELOPMENT
ORGANIZATION**

ORIGINAL: English

**EDITORIAL SERVICES TO THE
3rd EDITION
OF THE FERTILIZER MANUAL**

Project XP/GLO/96/094
Contract No:96/159/JP

FINAL REPORT

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Development Organization**

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Abstract

The Report summarizes the activities in preparation of the final version of the Fertilizer Manual including review of all chapters as well as participation of the expert in the Editorial Meeting. All chapters of the Manual have been reviewed and discussed with authors as well as with the Technical Editor from IFDC side. The Fertilizer Manual (3rd Edition) has been formatted and prepared for printing directly from computer files. The printing of the Fertilizer Manual should start in March under the condition of financial resources availability.

Introduction

Last edition of the Fertilizer Manual was printed in 1986. However the basic text has not been changed from the year 1979.

Following the requests of the Developing Countries was decided to issue the Third Edition of the Fertilizer Manual. This task was divided between UNIDO and International Fertilizer Development Institute (IFDC - USA). Each party was preparing half of the chapters of the new Edition of the Fertilizer Manual.

IFDC is responsible for final editing of their chapters, English proof - reading of the whole text as well as for preparation for printing and subcontracting of printing.

To prepare FM for printing it was necessary to review all written chapters for coordination of content and standard of presentation. This Report covers activities of UNIDO Subcontractor related to the preparation of the final version of the Fertilizer Manual.

1. Summary of the assessment activities

1.1. Methodology of assessment

Methodology of assessment has been divided into three steps:

- formal review: table defining scope of the chapter, its volume and author,
- the content review: integrity, coverage in comparison to relation to the 2nd Edition, required shortenings or expansions,
- the review of the essence of the matter.

Each of the chapters was evaluated separately. The recommendations on improvements were given in each chapter and later were repeated in final conclusions and recommendations.

1.2. Results of the review

The seven chapters produced by IFDC consultants have been reviewed and commented.

Chapters	Total volume as submitted including charts and figures (pages)	Recalculated to the one space double column 15 cpi (pages)	Volume of the chapter in 2nd edition of the FM (pages)
Chapter I	36	12	3
Chapter II	54	22	12
Chapter III	25	13	6
Chapter IV	33	11	10
Chapter XVI	57	18	16
Chapter XVII	33	11	6
Chapter XVIII	96	30	28
Total	334	117	81

1.3. Discussion of the remarks

All remarks risen in the TETRA Ltd. Intermediary Report have been provided to authors and IFDC Technical Editor in writing. The remarks have been discussed in details with authors, final text agreed and transmitted to the IFDC Technical Editor.

2. Editorial Meeting

2.1 Topics of the Editorial Meeting

The Editorial Meeting was held at IFDC, Muscle Shoals, Alabama, USA from 7 to 23 October, 1996.

The time table of the Meeting was as follows:

- 1) General meeting with the management of IFDC.
- 2) Discussion of content of the chapters and approval of content.
- 3) Discussion of the memorandum of understanding to finalize the printing and distribution modalities.
- 4) Conclusion meeting with the IFDC Management

2.2. Readiness for printing

The agreed content of revised version of the 3rd Edition of the Fertilizer Manual has been divided into 23 chapters. UNIDO has already prepared the following chapters:

VI, VII, VIII, X, XI, XII, XIII, XIV, XV, XIX, XX, XXIII.

All of the chapters have been edited in agreed format and submitted for comments to IFDC. Basically all remarks have been answered. The remaining matters have been cleared - up during the meeting sessions.

IFDC has already prepared the following chapters:

I, II, III, IV, V, IX, XVI, XVII, XVIII, XXI, XXII.

IFDC edited all chapters in agreed format and has prepared final version of chapters available.

The following chapters are in ready forms for printing, approved by technical redactors from IFDC and UNIDO sides:

I, II, III, IV, - VI, VII, VIII, IX, X,
XI, XII, XIII, XIV, XV, XVI, XVII, XVIII, XIX, XX,
- - XXIII.

The **Chapter V** - Raw materials - has not been submitted yet for review.

The **Chapters XXI** and **XXII** have been discussed and it was decided to integrate them into one **Chapter XXI**. The table of contents of the revised **Chapter XXI** has been agreed, however the final version of the chapter has not been submitted yet for review.

All computer printouts (double column with inserted tables and figures) are prepared by IFDC. The reproduction is assumed by the photographic technology.

The 3rd Edition of the Fertilizer Manual consists of about 600 pages.

Further actions were agreed in the Memorandum of Understanding signed by IFDC and UNIDO.

3. Agreed future activities

The Memorandum of Understanding has been discussed and agreed. The content of the Memorandum is presented in the TETRA Ltd. Mission Report from October 1996.

3.1. Time schedule of agreed activities

During the Editorial Meeting the following time schedule of actions was discussed and agreed upon:

UNIDO Target date: 31 December 1996

UNIDO would approve the final version of editorial concept (hard copies of exemplification chapters) and would transfer funds necessary to cover the Manual printing cost.

UNIDO would deliver selected texts of the chapter contents to licensors who contributed to the drafts and their comments would be used. The purpose of submission is to avoid later queries as well as to receive clearance for printing.

UNIDO would submit IFDC formal approval for the Fertilizer Manual printing.

UNIDO has been proposed to elaborate the Preface to the Manual (see Annex IV to the TETRA Ltd. Draft Final Report). This draft format has been preliminary agreed with IFDC and it was submitted to the UNIDO DG Office for approval. It may happen that the content would be changed by the Office of DG.

IFDC Target date: 31 December 1996

IFDC would finalize the Chapters V, XXI and would submit them to UNIDO for review. If comments are not delivered by 31 January, the content will be treated as agreed.

IFDC**Target date: 30 April 1997**

IFDC would contract the Manual printing after receiving funds.

IFDC will provide UNIDO with 300 copies of the Fertilizer Manual for free of charge distribution to the member states Governments as well as to the development institutes working in the area of fertilizers and agriculture.

IFDC will inform public about the Manual appearance by advertizing it in non-commercial specialized magazines.

3.2. Clause of responsibility limitation

The implementation of the activivites recorded and agreed during the Editorial Meeting has been out of the control of TETRA Ltd.

4. Conclusions and Recommendations

4.1. Conclusions

1. The content of the Manual has been agreed except **Chapters V and XXI**.
2. IFDC and UNIDO would continue actions to complete the content of the FM by the end of 1996.

4.2. Recommendations

1. All results of the discussions held at the Editorial Meeting should be presented to the Publication Board of UNIDO for approval.

Annex I

to the TETRA Ltd Final Report

TOR of the Subcontract 96/159/JP

TERMS OF REFERENCE

XP/GLO/96/094/21- 01

Editorial Services to the 3-rd Edition of the Fertilizer Manual**1. Introduction**

UNIDO jointly with IFDC is preparing the 3-rd Edition of the Fertilizer Manual. The international consultants have been recruited to write selected chapters of the Manual. The UNIDO and IFDC have nominated editors each for their part of chapters review. The first Editorial Meeting was held in December 1994 and established principles of the finalization of the editorial activities. The Editorial Board of UNIDO has approved the cooperation modalities. Currently all the chapters were prepared for final review (text and drawings) and it was proposed to carry out the final Editorial Meeting in September 1996.

2. Object of the Project

To prepare the 3-rd Edition of the Fertilizer Manual.

3. Tasks of the Subcontract

Contractor is requested to provide consultant to participate in the final Editorial Meeting to provide professional services in assessment of the prepared for printing chapters of the 3-rd Edition of the Fertilizer Manual and in particular:

- a) to review final text of all the chapters and provide comments as well as recommendations to each chapter,
- b) to participate in the Editorial Meeting to be carried out at IFDC, Muscle Shoals, Alabama and discuss with counterpart his remarks,
- c) to agree final format and text of the 3-rd Edition of the Fertilizer Manual

The total workload assumed is 1 m/m including travel to USA for about 12 days period.

The Contractor would prepare the following reports:

- 1) the Intermediary Report containing results of the review and comments of the submitted by IFDC chapters of the Fertilizer Manual,
- 2) the Final Report containing the results of the Editorial Meeting at IFDC.

4. Payment schedule

The payment schedule is as follows:

- 10% of the contract value shall be paid as down payment after signature of the contract between UNIDO and Contractor,
- additional 40% of the contract value shall be paid after presentation of the Intermediate Report,
- additional 30% of the contract value shall be paid after presentation of the Final Report.

5. Language of the report

English.

6. References and experience required

Experience and process competence in the fertilizer industry as well as the scientific background in preparation of the printed publications.

Annex II

to the TETRA Ltd Final Report

**List of extracts
being submitted to Companies
for check-up**

- | | | |
|----|-----------------------|---|
| 1. | Davy Mc Gee GB | Chapter XI, Table 11.23,
Page 37, text number 2. |
| 2. | HydroAgri NSM | Chapter IX, Table 9.4, relevant data,
Fig. 9.7,
Fig. 9.10
Chapter VIII, Para 8.3.6.3
Fig.8.10 |
| 3. | M.W. Kellog | Chapter VI, Page 17, Fig.6.8
Page 20, Fig 6.10
Para 6.4.3.2, Fig.6.14, Fig 6.15. |
| 4. | Kemira Oy | Chapter XIII, Para 13.5,
Para 13.6.8
Chapter VIII, Para 8.3.6.4 Fig.8.11, Table 8.21 |
| 5. | Lurgi | Chapter XI, Para 11.1.4 |
| 6 | Rayethon | Chapter XII, Para 12.3.11
Chapter XI, Page 27, column 2,
Page 28, column 1.
Page 37, Para 1. |
| 7. | Snamprogetti | Chapter IX, Fig.9.5, Table 9.2 relevant column |
| 8. | Stamicarbon | Chapter IX, Fig.9.4 Table 9.2 relevant column
Table 9.4 relevant column Fig.9.9 |

-
- | | | |
|-----|---------------|---|
| 9. | TOPSOE | Chapter VI, Page 17, Fig.6.6 and text column 1,
Page 24, text starting from "Topsoe...",
Fig.6.16, page 22 text starting from
"Topsoe economic..."
Table 6.15 |
| 10. | TOYO | Chapter IX, Fig.9.6, Table 9.2 relevant column,
Table 9.4 relevant column,
Fig. 9.8a, 9.8b |
| 11. | UHDE | Chapter XII, Para 12.3.6
Chapter VIII, Para 8.2.7.1,
Para 8.3.6.1,
Para 8.3.6.2, Fig.8.9
Table 8.19,
Table 8.20. |

Chapter XIX

Chapter XIX has not been printed yet in double column. Therefore the text of Chapter XIX should be submitted to the following companies:

- | | | |
|----|----------------------|---|
| 1. | UHDE | Closed Scrubber System, |
| 2. | Stamicarbon | By process Water Treatment, Foster Wheeler process, |
| 3. | TOYO | TEC ACES process, |
| 4. | Rhone Poulenc | Scrubbing process. |

Other companies processes have been described in the Fertilizer Manual on the basis of the published references.
