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**MANUAL ON GUIDELINES**

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**FOR**

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**PRACTICING CONSULTING ENGINEERS**

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**IN INDIA**

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**DEPARTMENT OF SCIENTIFIC AND  
INDUSTRIAL RESEARCH**  
**MINISTRY OF SCIENCE & TECHNOLOGY**  
(GOVERNMENT OF INDIA)  
**DECEMBER 1990**



# CONTENTS

FOREWORD

PREFACE

EXECUTIVE SUMMARY

INTRODUCTION

<b>1.0</b>	<b>THE CONSULTING ENGINEERING PROFESSION IN INDIA</b> .....	<b>1</b>
1.1	The Past	
1.2	The Present	
1.3	The Future	
<b>2.0</b>	<b>WORK OF CONSULTING ENGINEER</b> .....	<b>5</b>
2.1	Independent Consulting Engineer	
2.2	Types of Consulting Engineers	
2.3	Classification of Engineering Consultancy Services	
2.4	Types of Consulting Engineering Professional Services	
2.5	Details of Consultancy Services	
<b>3.0</b>	<b>ETHICS OF THE PROFESSION</b> .....	<b>18</b>
3.1	Professional Ethics for the Consulting Engineer	
3.2	Code of Ethics	
3.3	Code of Practice	
<b>4.0</b>	<b>FORMS OF CONSULTANCY ORGANISATIONS</b> .....	<b>24</b>
4.1	Proprietorship	
4.2	Partnership	
4.3	Limited Company	
4.4	Joint Venture	
<b>5.0</b>	<b>CLIENT CONSULTANT AGREEMENT</b> .....	<b>26</b>
5.1	Agreement Forms	
5.2	Contents of Agreement	
5.3	Agreement Pitfalls	
<b>6.0</b>	<b>FEE STRUCTURE</b> .....	<b>29</b>
6.1	Basis of Professional Fee	
6.2	Disbursement and Other Costs	
6.3	Fees for Secondary Consultants	
6.4	Supervision Fee	
6.5	Fee for Alterations & Repairs	
6.6	Fee for Repetitive Works	
6.7	Fee for Schedules of Quantities	
6.8	Bar Bending Schedules	
6.9	Modification to Design	
6.10	Works Postponed, Cancelled or Abandoned	
6.11	Termination of Engagement	
6.12	Cost of Works	
6.13	Fee for Project Management	
6.14	Payment of Fees	
6.15	Collaboration with Architects	
6.16	Fee Schedule	
6.17	Joint ACE(I)/NACE/CDC Documents	
<b>7.0</b>	<b>OFFICE MANAGEMENT</b> .....	<b>43</b>
7.1	The Consulting Engineer's Office	
7.2	Procedures Manual	
7.3	Communication	
7.4	Filing Methods	
7.5	Forms Useful for Consultant's Office	

## COMMISSIONING

Training of operating personnel



### 2.4

## TYPES OF CONSULTING ENGINEERING PROFESSIONAL SERVICES

### Engineering Disciplines

- ENGINEERING can not be defined within easy limits. Last 4-5 decades have seen development of many major engineering disciplines and a host of areas of specialisation within these disciplines.

- CIVIL ENGINEERING comprises a wide variety of activities. The major specialities to the civil engineering profession are:

Acoustics

Airports

Architecture

Bridges

Waterways (Channels, Rivers, Canals, Navigation Locks)

Dams

Dredging

Flood Control

Foundations

Geosciences

Hydraulics/Hydrology

Irrigation

Landscaping

Marine Structures

Meteorology

Natural Resources Surveys

Oceanography

Photogrammetry

Pipelines

Ports & Harbours

Railways

Reclamation

Roads and Highways

Soil & Rock Mechanics

Structures