



सत्यमेव जयते

**GOVERNMENT OF INDIA
PLANNING COMMISSION**

Report
OF
THE TECHNICAL COMMITTEE
FOR
THE OPTIMUM UTILISATION
OF THE
KRISHNA & THE GODAVARI
WATERS
AND CONNECTED PAPERS

1953

GOVERNMENT OF INDIA
PLANNING COMMISSION

Report
OF
The Technical Committee
FOR
the optimum utilisation of the Krishna
and the Godavari waters and
connected papers.

Sri. A. N. Khosla (Chairman).

1953

PRINTED IN INDIA BY THE MANAGER,
GOVT. OF INDIA PRESS, NEW DELHI

Price Rs. 2, As. 8 or 4 Sh.

Letter of Transmittal	I
---------------------------------	---

CHAPTER I

THE RIVERS KRISHNA, GODAVARI AND PENNAR

Introductory	9
The Krishna	9
The Godavari	16
The Pennar	19

CHAPTER II

PROJECTS INVESTIGATED ON KRISHNA AND GODAVARI

Projects on Krishna river	21
Krishna-Pennar Project	21
Pulichintala Project	23
Lower-Krishna Project	24
Projects on the Godavari	24
Ramapadasagar Project	24
Sabari Project	26

CHAPTER III

AREAS AFFECTED BY VARIOUS PROJECTS

Areas included in the Krishna-Pennar Scheme	27
Areas included in Pulichinatala Project	27
Areas included in the Lower Krishna Project	28
Areas included in Ramapadasagar Project	28
Areas included in Sabari Project	28
Areas left out of irrigation	29

CHAPTER IV

REMARKS ON THE TECHNICAL AND OTHER ASPECTS OF KRISHNA-PENNNAR PROJECTS

Siddeswaram Dam and Reservoir	30
Someswaram Dam on the Pennar	30
Pick-up Barrage on the Pennar	31
Krishna-Pennar Canal	31

	PAGE
Krishna-Pennar East Canal	32
Krishna-Pennar West Canal	33
Madras Canal	33
Pennar South Canal	34
Pennar North Canal	34
Kaveli Canal	35
Kanupur Canal	35
Irrigable areas	38
Irrigation intensities	38
Duties	39
Water Rates	40
Power Provision	40
Navigation	40
Irrigation development	41
Food production	41
Working tables	41
Estimates and financial forecasts	42
Betterment fees	43
General	44

CHAPTER V

COMMITTEE'S PROPOSALS

General principles followed	46
Areas in need of irrigation	46
Possible sites of reservoirs	47
Development by Stages	49
Siddeswaram dam	52
Nandikonda dam	53
Kurnool-Cuddapah canal	55
Krishna-Pennar east canal	56
Krishna-Pennar west canal	57
Kaveli canal	57
Kanupur canal	57
Pick-up weir or barrage on the Pennar	57

(iii)

	PAGE
Krishna-Pennar link canal	57
Lower Krishna right canal	59
Madras canal	62
Estimates of cost	62
Pick-up barrage on the Pennar	63
Krishna-Pennar link canal	63
Kurnool-Cuddapah canal	63
Lower Krishna right canal	64
Lower Krishna left canal	65
Krishna-Pennar east, Krishna-Pennar west, Kaveli, Kanupur and Madras canals	65
Financial aspects	78
Gandikota project	78
Surveys and investigations	78

CHAPTER VI

SUMMARY AND RECOMMENDATIONS

Krishna-Pennar project	84
Committee's proposals	85

(iv)

APPENDICES

	PAGE
Appendix A.—Planning Commission's letter setting up the Technical Committee	89
Appendix B.—Memorandum of Agreement	91
Appendix C.—Note on the availability of water at the head of Kurnool-Cuddapah canal	98
Appendix D.—Note on the diversion of Godavari waters into the Krishna basin	101
Appendix E.—Note on the tour of the Technical Committee	104
Appendix F1.—Summary of important representations	107
Appendix G1.—Comments of the Government of Madras	112
Appendix H1.—Comments of the Government of Hyderabad	125
Appendix I1.—Minutes of the conference convened by the Planning Commission on the 8th December 1952	128

LIST OF DRAWINGS

1. Area commanded by various projects	} facing page
2. Area commanded by Committee's proposals	