

GOVERNMENT OF INDIA
RAILWAY DEPARTMENT
(RAILWAY BOARD)

INDIAN RAILWAYS

in 1922-23

Administration Report, Volume II



SIMLA
GOVERNMENT OF INDIA PRESS
1923

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Books and Technical Papers published by the Railway Board.

BOOKS.

- (1) Administration Report on the Railways in India. Published yearly. Price—Vol. I, Report, Rs. 3-8 Volume II, Appendices, Rs. 3-8.
- (2) Classified List and Distribution Return of Officers of all Indian Railways. Published half-yearly Price Re. 1.
- (3) History of Indian Railways, constructed and in progress corrected up to 31st March 1918. Published quinquennially. Price Rs. 1-8.
- (4) History of Services of the Officers of the Engineer and Superior Revenue Establishment of State Railways. Published yearly. Price Rs. 2-8.
- (5) Pocket Edition of the schedule of dimensions to be observed on all 5' 6", 3' 3 $\frac{3}{8}$ " and 2' 6" gauge railways in India.

TECHNICAL PAPERS.

- (6) Over 200 papers have been published by the Technical Section of the Railway Board's office. The papers comprise—
 - (a) Original descriptions of Railway Works and studies of railway problems in India and elsewhere.
 - (b) Reprints of articles from Foreign Engineering Magazines.
 - (c) Reprints or abstracts of reports received by the Government of India on subjects connected with railways.

A complete list of the papers can be obtained *gratis* from the Chief Engineer with the Railway Board. A few of the more important Technical papers are mentioned below:—

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The design of well foundations for bridges	(Compiled).
Design of flood openings	C. W. HODSON.
The Physics of the river Indus	R. A. MOLLOY.
Trains blown over by wind	(Compiled).
Statistics of railway working expenditure	G. DEUCHARS.
Report on mountain railways	W. J. WEIGHTMAN.
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Ruling Gradient and the Minor Details of Alignment
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(i) Methods adopted on the Great Indian Peninsula Railway.	V. L. DEAN, Assistant Traffic Superintendent, N. W. Railway.
(ii) Methods adopted in England	Captain W. R. R. MOORE BENNET, M.C., Reserve I. A., Sappers and Miners, Assistant Signal Engineer, N. W. Railway.
The Hardinge Bridge over the Lower Ganges at Sara by Sir ROBERT GALES, F.C.H., M. Inst. C.E., with Supplementary Notes on the original Project.	Sir FRANCIS J. E. SPRING, K.C.I.E., M.A.I., M. Inst. C.E.
The Stability of Hill slopes	C. S. FOX, B.Sc., (Birm.), M.I.M.E., F.G.S., Officiating Superintendent, Geological Survey of India, with a prefatory note by Major E. P. ANDERSON, D.S.O., R.E., Engineer-in-Chief, Hardwar-Karnprayag Survey.
Technical Education in Relation to Railways in America	H. L. COLE, Locomotive Department, Indian State Railways, and Secretary, Railway Board.
Indian Standard Locomotives (5' 6" gauge)	H. L. COLE, O.B.E., M.I.M.E., Locomotive Department, Indian State Railways, and Secretary, Railway Board.

The prices of the papers vary from Annas Four to Rupees Eight.

The books and papers can be bought from the Superintendent, Government Printing, India, 8, Hastings, Street, Calcutta.