

Fourteenth Annual  
of the  
Departments of Land Revenue  
And Agriculture

Bombay Presidency  
for the year 1896-97.

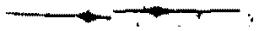
FOURTEENTH A

OF THE YEAR

DEPARTMENT OF FORESTRY  
AND AGRICULTURE,

BOMBAY PRESIDENCY

FOR THE YEAR 1896-97.



Bombay  
PRINTED AT THE GOVERNMENT CENTRAL PRESS.  
1898.

FOURTEENTH

OF THE

DEPARTMENT OF LANDS  
AND AGRICULTURE,

BOMBAY PRESIDENCY

FOR THE YEAR 1896-97.



Bombay:

PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1898.

CONTENTS

INTRODUCTORY	...	...	...	...	...	...
I.—ORGANIZATION AND MAINTENANCE OF VILLAGE RECORDS	...	...	...	...	...	iv-xliii
Extent of Land Record Staff; record accommodation;	...	...	...	...	...	xvii
Inspector's examination; arrangements for their practical	...	...	...	...	...	xviii-xx
examination	...	...	...	...	...	xxi-xxxii
Circle Inspectors in Ratnágiri and Ahmadabad	...	...	...	...	...	xxxiii-xxxv
Review of Circle Inspectors' Crop, Waste and Balance	...	...	...	...	...	xxxvi-xxxviii
check by District Inspectors; work done by Government	...	...	...	...	...	xxxix
Check of Village Census and Sanitary Returns; maintenance	...	...	...	...	...	xl
marks; measurement and classing work	...	...	...	...	...	xli
District Survey Office	...	...	...	...	...	xlii-xlv
Check by Superintendents, Land Records and Agriculture; Revision	...	...	...	...	...	Settlements; check by Sub-divisional Officers and Mámlatdárs
Remarks by Collectors on the working of the Kanungo staff	...	...	...	...	...	18-22 11-13 23 13-15
II.—ANALYSIS OF DISTRICTS WITH REFERENCE TO SECURITY FROM FAMINE—	...	...	...	...	...	
Progress in the compilation of the Circle Book; remarks by Collectors on	...	...	...	...	...	the progress made
the progress made	...	...	...	...	...	24-25 15-17
III.—COLLECTION OF REVENUE AND RENTAL IN PRECARIOUS TRACTS—	...	...	...	...	...	
Realization of revenue with ease even in a year of famine	...	...	...	...	...	26 17-18
IV.—MEASURES OF PROTECTION—	...	...	...	...	...	
Completion of the Bársi Light Railway; construction of Ahmadabad-Parántij	...	...	...	...	...	and the Tápti Valley Railways; increase in irrigated area; impetus to well
sinking by Tagái system; improvement of irrigation tanks	...	...	...	...	...	27-29 18-19
V.—AGRICULTURAL EXPERIMENTS INCLUDING FARMS—	...	...	...	...	...	
<i>A.—Experimental Farms—</i>	...	...	...	...	...	
<i>Poona Farm—</i>	...	...	...	...	...	
Experiments with fodder and grain crops; cotton; til seed; garden	...	...	...	...	...	crops; sugarcane experiments at Mánjri; Ganeshkhind Gardens;
dairy; feeding experiments; cost of the Farm	...	...	...	...	...	30-40 19-22
<i>Surat Farm—</i>	...	...	...	...	...	
Commencement of operations; scheme of experiments; sugarcane; jowári;	...	...	...	...	...	dairy
dairy	...	...	...	...	...	41 22-23
<i>Nadiád Farm—</i>	...	...	...	...	...	
Unsatisfactory results owing to unfavourable season	...	...	...	...	...	42 23
<i>Hyderabad Farm—</i>	...	...	...	...	...	
Continuance in possession of District Local Board	...	...	...	...	...	43 23
<i>Empress Gardens—</i>	...	...	...	...	...	
Continuance of management by the Agri-Horticultural Society sanctioned	...	...	...	...	...	by Government; financial condition; flower show
ed by Government; financial condition; flower show	...	...	...	...	...	44 23-24
<i>B.—Miscellaneous Experiments—</i>	...	...	...	...	...	
Rapeseed; coffee; arrowroot; strawberries; Sabai grass; European	...	...	...	...	...	carrots; utilization of bones as manure and their export
carrots; utilization of bones as manure and their export	...	...	...	...	...	45-50 24-25
<i>C.—Crop Diseases and Pests—</i>	...	...	...	...	...	
Entomology; locusts in Sind and Mahi Kántha; grass-hoppers in the	...	...	...	...	...	Deccan and Karnátak
Deccan and Karnátak	...	...	...	...	...	51 25

	Paras.	Page.
... divisions; great usefulness in a	52	25-27
...	53	27
<i>... and oilseeds—</i>		
... of crops ...	54	27
<b>AND VETERINARY ESTABLISHMENTS—</b>		
...	55-56	27-28
...	57	28-29
...	58	29-30
<i>... including Agricultural Shows and Exhibitions—</i>		
... Jacobabad, Moro, Talhár, and Bhúj Shows— ...	59	30-31
<b>VII.—AGRICULTURAL STATISTICS—</b>		
<i>A.—Rainfall—</i>		
Rainfall at district head-quarters; season of 1896-97 ...	60	31-32
<i>B.—Agriculture—</i>		
District returns of Irrigation; Imperial Forms C and D; Imperial Form E; the quinquennial return of water-supply ...	61	32-33
Details of area; area of available statistics; non-reporting villages ...	62	33-34
Cultivated and uncultivated area; details of fallow; uncultivated area; forest; distribution by percentages of cultivated and uncultivated area...	63-66	34-37
Crops; effect of season; variations under principal crops; details of kharif and rabi crops; distribution by percentages of food and non-food crops; outturn of crops; anna valuation; fruit-trees ...	67-71	37-44
Irrigation; irrigated area; details of irrigation by canals, wells and tanks .	72	44-45
Agricultural stock; district variations; cattle, sheep and goats; horses and ponies ...	73	45-46
Water-supply; wells and tanks for irrigation ...	74	46-47
<i>C.—Prices—</i>		
Price Inspectors; results of their inspection; retail prices current; inspection of Taluka Form 38; inspection of the return of wholesale prices ...	75-79	47-48
<i>D.—Crop Experiments—</i>		
...	80	48
<i>E.—Forecast of Season of 1897-98—</i>		
...	81	48-49
<b>VIII.—TRADE AND TRADE STATISTICS—</b>		
Rail and Road-borne traffic ...	82	49
<b>IX.—ARCHAEOLOGY—</b>		
Discovery of coins in Kaira and Thána ...	83	idem.
<b>X.—MINERAL STATISTICS—</b>		
Annual returns of mines and minerals; return of mineral concessions. Deputation of an officer of Geological Survey to make geological survey in the Bombay Presidency ...	84	idem.
<b>XI.—COLLECTION FOR THE IMPERIAL INSTITUTE AND THE INDIAN MUSEUM—</b>		
Collection of roots, plants and botanical specimens ...	85	49
<b>CONCLUSION—</b>		
Orders of the Government of India on the Agricultural Conferences; famine; collection and collation of famine information by the Director; collection of information regarding grain traffic through Price Inspectors; Deputy Director's tour ...	86-89	50-51

CONTENTS

Statistics—Appendices.

*A.—Rainfall—*

Explanatory Remarks ...	...	...	...
Synopsis of Rainfall Summary ...	...	...	...
District Tables ...	...	...	iv-xiii

*B.—Agriculture—*

I.—Area of Available Statistics ...	...	...	xvii
II.—Area, Cultivated and Uncultivated ...	...	...	xviii-xx
III.—Crops ...	...	...	xxi-xxxii
IV.—Irrigation ...	...	...	xxxiii-xxxv
V.—Agricultural Stock ...	...	...	xxxvi-xxxviii
VI.—Sources of Water-supply ...	...	...	xxxix
II-A.—Details of Current Fallow ...	...	...	xl
III-A.—Principal Fruit-bearing Trees ...	...	...	xli
III-B.—Details of Kharif and Rabi Crops ...	...	...	xlii-xlv

*C.—Prices—*

Retail Prices of Staple Food-grains ...	...	...	xlvi-xlvii
---	-----	-----	------------