## ELEVENTH ANNUAL REPORT

OF THE

## DEPARTMENT OF LAND RECORDS AND AGRICULTURE.

BOMBAY PRESIDENCY,

FOR THE YEAR 1893-94.

## CONTENTS.

						Paras,	Page
Introductory	***	***	•••	•••	•••	1-3	1
Divisions of Report	}•						
I.—Organization and	d Maintes	NANCE OF T	ILLAGE RE	cords—			
Record accommodate Record staff sanct	tion; Survioned by G	ey classes; overnment	revised r	ales for tl	le Land	4	1
Review of Circle In tion; check by I General Duty Ins	District In	Crop, Wast	te, and Bou	ndary-mar and duti	k Inspec- es of the	5-9	1-5
Check of Village C	ensus and S	Sanitary Re	eturns ; bou miscellaneou	ndary-mar' is work	k Inspec-	10-15	6-10
District Survey Office		_			•••	16-17	10-12
The Land Record sta	i <del>-</del>		•	•••		18	12-13
Check by Divisional I Remarks by Collect	ors on the	• .		•		19-22	
Director's commer		• • • •	4.4	•••			15-17
II.—Analysis of Dis						=	
Revision of the Botthe Circle Book	mbay Fam	ine Code;	progress in	the comp	ilation of	24-25	17-18
III.—Collection of	REVENUE	and Renta	L IN PRECA	ARIOUS TR.	ACTS—		
Realization of revenu	ie with insi	gnificant p	ressure	•,• •		26	18
IV. MEASURES OF P	rotection-	<del>.</del>					
Extension of babbul gation schemes in plants for improve	n the prog	ramme of 1				27-29	18-19
T.—AGRICULTURAL EX			G FARMS-	•	*,**	-, -,	
A.—Experiment	er e e	,	,				
Poona Farm-			•	-			
Experiments in scale; their o			cane experi	ments on	extensive	30-31	19-21
Surat Farm-					•		
Its suitable local	lity for tria	ls with mil	ch cattle, co	tton and a	variety of	32	21
crops Nadiád Farm	•••	4	•1•	•••	•••	33	21
Hyderabad Farm	<del></del>	***	•••	• • • •	***	90	21
Conversion into	•	riat Farm w	nder contem	plation	,•••	34	21
Empress Gardens				. •			
Management by vineries; final	ncial condit	ion	***	• • • •		35	21
B.—Experiments	with var	rious Indi	genous and	d Exotic	Producti	} <del></del>	•
Muzaffarnagar wu utilization of bon	vheat; rap nes as many	peseed; co	tton; stra	wberiies;	indigo;	36-41	21-22
C.—Crop Diseas	ses and $P$	ests—		•			
Potato disease; en ments for period	tomology; ical tours f	issue of Pi or investiga	ctorial Lesso tion of local	on Sheets; pests and	arrange- diseases.	42-43	22-23
D.—Takávi Adva	inces—	•					
Progress and popul	larity in th	e several di	visions	•••	•••	44	23-24
E.—Improved A	_	_					
Turn-wrist plough plough B 1316—a	h; Sweedis	h wheel pl	lough; Plan	et Jr. hoe	; Sibpur	45	24

F.— Wheat and Cotton Trade—		
Change of wheat trade centre from Bombay to Karáchi; extension of trade in wheat flour; decline in cotton exports and change of market for Indian cotton; forecasts of crops	46-47	24
VI.—Horse and Cattle-Breeding and Veterinary Establishment—		
Civil Veterinary Department—		
Revised scheme for extension under consideration; formation of Baluchistán into a separate charge; horse and mule breeding; empowering select district officers to grant certificates for covering		24-25
Veterinary Dispensaries—	-	
Opening of new dispensaries at Surat and Jalgaon; paucity of Veterinary Assistants; brief notice of the working of the dispensaries		25-26
Cattle Disease—		
Introduction of a standard form for systematic reports; information received thereunder; introduction of Glanders and Farcy Act in Násik; compilation of a conspectus of animal diseases	ì	26-27
Horse Shows, including Agricultural and Cattle Shows and Exhibitions	g	
Discontinuance of the Ahmadabad show; shows held at Poona, Shikar pur, Naushahro, Rajkot and Chinchli	- - 52	27
VII.—Agricultural Statistics—		•
A.—Rainfall—	• "	•
Rainfall at district head-quarters; season, 1893-94	. 53	28-30
B.—Prices—		
Price Inspectors; result of their inspection; errors and irregularitie	og .	•
detected; financial effect of the scheme		29-30
Discussion on the subject at the Simla Conference of 1893	. 56	30
C.—Agriculture—		
General remarks; details of area; area of available statistics; non reporting villages; cultivated and uncultivated area; details of fallow; uncultivated area; forest; distribution by percentages of cultivated and uncultivated area; extension of occupied area	of of	
Crops; effect of season; variation under principal crops; details of kharif and rabi crops; distribution by percentages of food and non	, <b>f</b>	30-35
food crops; outturn of crops; anna valuation		35-40
Fruit-trees		40-41
Irrigated area; details of irrigation by canals, wells and tanks  Agricultural stock; district variations; cattle; sheep and goats; horse	. 67	41-42
and ponies sieep and goats; norse		42-43
D.—Crop Experiments—		٠.
Number of experiments conducted; scrutiny of Sind experiments b	v .	
this omce	. 69	43
E.—Forecast of Season, 1894-95	70	43-44
VIII.—TRADE AND TRADE STATISTICS—		
Rail-Borne Traffic compared; Registration of Road-borne Trade	71	4.1
IX.—Archæology—	. 1	
No reports received	72	44
X.—MINERAL STATISTICS—		
Annual returns sent as usual; their future submission to the Reporter of Economic Products, Calcutta; terms of license granted to Mr. Nelson is Bijápur settled	n n 73	44
XI.—Collections for the Imperial Institute and the Indian Musey		
Collection of Salep for Imperial Institute and of samples of Gymnem sylvestris leaves and of churns for Indian Museum	a. 74	. 44
Conclusion	. 75 75	_

		CONT	ENTS.			iii
						Page.
Statistics—						
Rainfall—						
Explanatory Remark	rks	•••	; •••	•••	•••	ii
Synopsis of Rainfa	ll Summary	•••	•••	•••	***	. iii
District Tables	•••	•••	•••	•••	•••	iv-xiii
Agricultural—				•		
I.—Area of Availal	ble Statistics			***	•••	xvii
II.—Area, Cultivat	ted and Uncu	ltivated	•••	•••	•••	xviii-xix
III.—Crops	•••	•••	•••	•••	•••	xx-xxvii
IV.—Irrigation	•••	•••	•••	•••	•••	xxviii-xxix
V.—Agricultural S	Stock	•••	•••	•••	•••	xxx-xxxi
II-A.—Details of "	Current Falle	ows"	444	***	•••	xxxii
III-A.—Details un	der Kharif an	d Rabi	•••	•••	•••	xxxiv-xxxvii
III-B.—Principal	Fruit-bearing	Trees	•••	•••		iivxxx