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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No:	3020	Press. / Mis.
Dated	12.12.1878	197 .

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Archives I—5,806—24-2-78.

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ACCOMPANIMENT to G.O., No. 954 I, dated 22nd November 1878.

Proceedings of the Board of Revenue, dated 13th July 1878, No. 1,942.

WITH reference to G.O., dated 25th July 1872, No. 1,766, Public Works Department, the Board resolve to submit a statement showing the actual return from irrigated lands in each district for fasli 1286 (1876-77).

2. South Canara is excluded from the statement as usual, no information regarding irrigated lands in that district being available.

3. The statement does not, moreover, for want of information on the subject, include any portion of the peishcush on Zemindaris as it cannot be separated into charge for irrigated and unirrigated land.

4. It includes ryotwari lands, which, though not actually irrigated from Government sources, are still classed and assessed as nunjah, such as those cultivated with the aid of springs in the Kistna District and the rain-fed lands in Malabar. The area of these lands is not separately recorded.

5. The total amount of revenue derived as above described from irrigated lands in fasli 1286 is Rupees 1,55,80,362 against Rupees 1,93,63,632 in fasli 1285. This large decrease of Rupees 37,83,270 is due to diminished cultivation and the unusually large remissions granted during the year on account of the unfavorable character of the season and insufficiency of water-supply as will be seen from the subjoined statement :—

Items.	Fasli 1285.		Fasli 1286.	
	Area.	Revenue.	Area.	Revenue.
	ACRES.	RS.	ACRES.	RS.
Land cultivated with wet crops	3,757,552	1,93,88,155	3,318,453	1,70,37,071
Dry crops irrigated	92,178	2,95,224	111,793	4,06,851
Total ...	3,849,730	1,96,83,379	3,430,246	1,74,43,922
Deduct remissions, fixed, occasional and miscellaneous, &c.	...	18,85,653	...	33,91,174
Remainder ...	3,849,730	1,77,97,726	3,430,246	1,40,52,748
Inam and Zemindari lands charged as irrigated	1,071,276	15,65,906	1,051,874	15,27,614
Lands irrigated free of all charged, Inam and Zemindari	234,860	...	216,085	...
Total ...	5,155,866	1,93,63,632	4,698,205	1,55,80,362

6. The details of the remissions are as shown below :—

	Fasli 1285.	Fasli 1286.
	RS.	RS.
1. Remission due to excess of water	59,218	40,978
2. Do. do. for failure of supply	10,65,449	26,98,613
3. Fixed remissions and deductions	7,60,986	6,51,583
Total ...	18,85,653	33,91,174

The increase in the second item is as already stated due to the adverse nature of season. The remissions under the first head were granted almost wholly in the Kistna District in consequence of the injury done by floods. The decrease under the third item is owing to the diminution in the revenue upon which the deductions, such as fees to village servants, are calculated.

(A true Extract.)

(Signed) C. A. GALTON,
Acting Secretary.

STATEMENT showing the Revenue due to Irrigation in each District of the Madras Presidency for Fasli 1286 (1876-77).

Districts.	GOVERNMENT LANDS CHARGED AS IRRIGATED.						
	Dry Crops charged as Irrigated.		Lands irrigated and charged as cultivated with Wet Crops.		Total Government Lands charged as irrigated.		Deduct.
	Area.	Assessment including charge for Water.	Area.	Assessment including charge for Water.	Area.	Assessment including charge for Water.	Remission on account of excess or failure of Water.
1	2	3	4	5	6	7	8
	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.	RS.
1. Ganjam	693	1,552	184,969	5,25,427	185,662	5,26,979	5,362
2. Vizagapatam	...	...	48,029	2,40,256	48,029	2,40,256	12,410
3. Godavari	15,535	1,00,706	307,819	17,75,818	323,354	18,76,524	45,562
4. Kistna	11,528	44,297	180,983	10,76,145	192,511	11,20,442	1,84,312
5. Nellore	2,138	6,604	100,566	5,77,576	102,704	5,84,180	4,26,265
6. Cuddapah	...	...	64,262	4,68,515	64,262	4,68,515	1,39,699
7. Bellary	...	...	81,106	4,69,386	81,106	4,69,386	81,047
8. Kurnool	...	...	20,234	1,41,342	20,234	1,41,342	38,691
9. Chingleput	2,060	8,226	220,173	7,88,168	222,233	7,96,894	5,39,811
10. North Arcot	4,677	14,610	141,858	8,46,719	146,535	8,61,329	1,66,502
11. South do.	14,206	45,818	263,484	14,61,783	277,690	15,07,601	2,28,162
12. Tanjore	8,075	27,158	754,132	38,14,635	762,207	38,41,793	1,21,057
13. Trichinopoly	38,908	1,11,055	132,247	6,50,876	171,155	7,61,931	7,175
14. Madura	212	639	111,504	4,87,266	111,716	4,87,905	2,27,493
15. Tinnevelly	8,272	24,292	157,997	14,84,182	166,269	15,08,474	3,08,468
16. Coimbatore	4,778	19,798	82,328	6,14,832	87,106	6,34,630	1,37,769
17. Nilgiris	...	...	1,274	3,382	1,274	3,382	...
18. Salem	711	2,096	77,138	4,43,656	77,849	4,45,752	55,900
19. Malabar	...	...	388,350	11,67,107	388,350	11,67,107	13,966
Total ...	111,793	4,06,851	3,318,453	1,70,37,071	3,430,246	1,74,43,922	27,39,591

STATEMENT showing the Revenue due to Irrigation in each District of the Madras Presidency, &c.—*continued*.

Districts.	GOVERNMENT LANDS CHARGED AS IRRIGATED—*continued*.		INAM AND ZEMINDARI LANDS CHARGED AS IRRIGATED.				LANDS IRRIGATED FREE OF ALL CHARGE.
	Deduct—*cont.*	Remainder.	Inams paying Quit-rent.		Inam and Zemindari Land paying Water-rate.		
	Other remissions and usual deductions.		Area.	Quit-rent.	Area subject to Water-rate.	Charge for Water.	Inam Area.
	9	10	11	12	13	14	15
	RS.	RS.	ACRES.	RS.	ACRES.	RS.	ACRES.
1. Ganjam	183	5,21,434	98,348	48,774	395	950	16,301
2. Vizagapatam	384	2,27,462	109,495	64,481	182	673	1,115
3. Godavari	18,615	18,12,347	219,587	1,13,949	133,944	5,52,789	8,526
4. Kistna	12,909	9,23,221	55,090	19,150	49,497	1,24,120	1,865
5. Nellore	69,167	88,808	50,006	62,014	244	770	10,145
6. Cuddapah	16,930	3,11,886	90,171	68,039	1,491	4,218	10,128
7. Bellary	1,163	3,87,176	39,742	60,602	2,630	7,535	9,065
8. Kurnool	5,705	96,946	15,990	19,904	1,246	4,684	1,200
9. Chingleput	6,272	2,50,311	73,174	67,545	1,032	1,424	14,722
10. North Arcot	39,875	6,54,952	20,530	36,311	2,273	5,944	21,121
11. South do.	1,08,779	11,70,660	13,329	16,609	2,721	10,930	13,900
12. Tanjore	2,49,393	34,71,343	129,440	78,370	9,383	15,415	33,088
13. Trichinopoly	42,830	7,11,926	14,811	8,472	3,321	9,345	6,204
14. Madura	2,402	2,58,010	17,596	11,573	2,253	2,720	6,185
15. Tinnevelly	48,061	11,51,945	21,371	60,529	3,331	10,362	4,748
16. Coimbatore	1,000	4,95,861	4,669	9,629	1,135	4,094	6,967
17. Nilgiris	...	3,382	...	...	...	...	...
18. Salem	25,554	3,64,298	13,128	23,804	250	793	1,918
19. Malabar	2,361	11,50,780	811	1,093	...	...	...
Total ...	6,51,583	1,40,52,748	987,288	7,70,848	215,328	7,56,766	167,198

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STATEMENT showing the Revenue due to Irrigation in each District of the Madras Presidency, &c.—*continued.*

Districts.	Lands irrigated free of all charge—*concl.*		Total Lands irrigated.			Besides the Remission on Cultivated Lands shown in Columns 8 and 9, Assessment on Wet Lands left uncultivated for deficiency or excess of supply was remitted as shown below.	
	Zemindari Area.	Total Area irrigated.	Deduct Land included twice over in Columns 11 and 13.	Remainder Land irrigated.	Assessment, Quit-rent, and Water-rate.	Extent.	Assessment.
	16	17	18	19	20	21	22
	ACRES.	ACRES.		ACRES.	RS.	ACRES.	RS.
1. Ganjam	44	300,750	162	300,588	5,71,158	2,877	2,956
2. Vizagapatam	4,152	162,973	182	162,791	2,92,616	960	3,396
3. Godavari	23,332	708,743	107,764	600,979	24,79,085	10,930	24,696
4. Kistna	20,418	319,381	22,467	296,914	10,66,491	17,744	46,481
5. Nellore	61	163,160	197	162,963	1,51,592	93,217	4,56,975
6. Cuddapah	...	166,052	1,491	164,561	3,84,143	53,048	3,04,470
7. Bellary	...	132,543	1,222	131,321	4,55,313	41,084	1,83,203
8. Kurnool	...	38,670	1,246	37,424	1,21,534	8,935	55,736
9. Chingleput	292	311,453	28	311,425	3,19,280	86,109	3,02,492
10. North Arcot	140	190,599	2,839	187,760	6,97,207	70,514	3,71,342
11. South do.	...	307,640	768	306,872	11,98,199	53,835	2,74,436
12. Tanjore	...	934,118	9,383	924,735	35,65,128	24,615	92,305
13. Trichinopoly	...	195,491	1,185	194,306	7,29,743	9,236	25,002
14. Madura	...	137,750	663	137,087	2,72,303	46,434	1,88,943
15. Tinnevelly	...	195,719	26	195,693	12,22,836	36,909	2,23,145
16. Coimbatore	...	99,877	869	99,008	5,09,584	7,872	47,052
17. Nilgiris	...	1,274	...	1,274	3,382	...	...
18. Salem	448	93,593	250	93,343	3,88,895	10,490	90,440
19. Malabar	...	389,161	...	389,161	11,51,873	953	1,361
Total ...	48,887	4,848,947	150,747	4,698,205	1,55,80,362	584,762	26,94,431

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

22nd November 1878, No. 954 I.

Irrigation.

Read the following papers :—

No. 114. From Major L. CONWAY-GORDON, R.E., Examiner of Public Works Accounts, to the Chief Engineer for Irrigation, dated Chepauk, 25th October 1878, No. 33 E I.

As requested in your letter, No. 111 C, dated 9th August 1878, I have the honor to forward, herewith, the statement therein referred to of maintenance charges, &c., of irrigation works for 1876-77.

STATEMENT showing the Maintenance Charges of Irrigation Works in each District for the Year 1876-77.

Districts.	Establishment.						Agricultural Repairs.	Total Columns 7 and 8.
	Secretariat.	Accounts.	District Engineer.	Construction.	Conservancy.	Total.		
1	2	3	4	5	6	7	8	9
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Bellary	875	669	2,539	9,166	..	13,249	46,882	60,131
Cuddapah	963	736	2,795	10,090	446	14,138	51,609	65,747
Chingleput	2,390	1,827	6,936	25,037	3,546	39,736	1,28,059	1,67,795
Coimbatore	1,380	1,055	4,004	14,455	194	21,088	73,937	95,025
Ganjam	909	695	2,638	9,523	1,227	14,992	48,707	63,699
Godavari	3,735	2,855	10,839	39,128	47,690	1,04,247	2,00,134	3,04,381
Kurnool	940	718	2,727	9,845	2,279	16,509	50,357	66,866
Kistna	2,529	1,933	7,342	26,502	25,565	63,871	1,35,550	1,99,421
Madura	783	598	2,272	8,200	1,191	13,044	41,941	54,985
Malabar	38	29	112	403	84	666	2,063	2,729
Nellore	1,400	1,070	4,065	14,673	4,614	25,822	75,052	1,00,874
North Arcot	2,676	2,045	7,766	28,033	4,142	44,662	1,43,382	1,88,044
Presidency	43	33	126	455	4,696	5,353	2,327	7,680
Salem	1,793	1,371	5,205	18,788	637	27,794	96,097	1,23,891
South Arcot	1,779	1,360	5,162	18,636	4,736	31,673	95,317	1,26,990
Tanjore	2,718	2,078	7,890	28,480	9,659	50,825	1,45,669	1,96,494
Tinnevelly	1,601	1,223	4,648	16,778	3,787	28,037	85,818	1,13,855
Trichinopoly	1,840	1,406	5,240	19,276	3,316	31,178	98,591	1,29,769
Vizagapatam	284	217	825	2,980	1,333	5,639	15,240	20,879
Total ..	28,676	21,918	83,231	3,00,448	1,18,250	5,52,523	15,36,732	20,89,255

(Signed) L. CONWAY-GORDON, Major, R.E.,
Examiner of Public Works Accounts.

No. 334 I.

No. 114-A. *Note by the Chief Engineer for Irrigation.*

THE statement of revenue due to irrigation for fasli 1286 (1876-77) compared with that of the preceding year shows the following results :—

—	1875-76.		1876-77.	
	Extent.	Assessment.	Extent.	Assessment.
	ACRES.	RS.	ACRES.	RS.
1. Government lands	3,849,730	1,77,97,726	3,430,246	1,40,52,748
2. Inam and Zemindari lands	208,373	7,94,886	215,328	7,56,766
3. Inam lands paying quit-rent	1,003,962	7,71,020	987,288	7,70,848
4. Land irrigated free of charge. { Inam	187,912	...	167,198	...
{ Zemindari ...	46,948	...	48,887	...
Total ...	5,296,925	1,93,63,632	4,848,947	1,55,80,362
Deduct land included twice over in second and third items.	141,059	...	150,742	...
Net Total ...	5,155,866	1,93,63,632	4,698,205	1,55,80,362

2. The decrease in the latter year is in area Acres 457,661, in revenue Rupees 37,83,270. The Board of Revenue explain that this large decrease is due "to diminished cultivation and the unusually large remissions granted during the year owing to the unfavorable character of the season." The remissions of the two years faslis 1285 and 1286 were as follow :—

—	1875-76.	1876-77.
	RS.	RS.
On account of excess of water	59,218	40,978
Do. of failure of supply	10,65,449	26,98,613
Other usual remissions	7,60,986	6,51,583
Total ...	18,85,653	33,91,174

3. The increase under the second head in the latter year is attributed to the reasons already stated. The districts in which the largest remissions occurred were as noted below. The bulk of them were famine stricken :—

—	1875-76.	1876-77.
	RS.	RS.
Kistna	58,255	1,84,312
Nellore	1,89,635	4,26,205
Cuddapah	30,514	1,39,699
Chingleput	2,21,141	5,39,811
North Arcot	65,113	1,66,502
South Arcot	1,55,010	2,28,162
Tanjore	51,709	1,21,057
Madura	39,568	2,27,493
Tinnevelly	1,49,023	3,08,468
Coimbatore	1,09,873	1,37,769

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4. The particulars of charges for the several districts are given in the subjoined statement, and the general result is as follows :—

—	Acreage.	Revenue.	Charges.	Per Acre.	Per Cent.
		RS.	RS.		
1875-76	5,155,866	1,93,63,632	15,16,345	0·29	7·83
1876-77	4,698,205	1,55,80,362	15,36,732	0·33	9·86

Districts.	Total Lands Irrigated.		ESTABLISHMENT.						PUBLIC WORKS "CHARGES" WORKS.		AVERAGE ASSESSMENT PER ACRE.		Remarks.
	Area.	Assessment.	Secretariat.	Account.	District Engineers.	Construction.	Conservancy.	Total.	Repairs.	Total of Columns 9 and 10.	Per Acre.	Per cent. on Revenue.	On Government Lands.	On Total Area.	Column 10 / Column 6 of Board of Revenue return. Column 14 = Column 20 do. Column 15 = Column 19 do.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	ACRS. Col. 10 / Col. 2	RS.			
Ganjam ..	300,588	5,71,158	909	695	2,638	9,523	1,227	14,992	48,707	63,699	0·16	8·92	2·81	1·91	
Vizagapatam ..	162,791	2,92,616	284	217	525	1,580	1,333	5,639	15,240	20,879	0·09	5·21	4·74	1·79	
Godavari ..	600,979	24,79,085	3,735	2,855	10,839	39,128	47,690	1,04,247	2,00,134	3,04,381	0·33	8·08	5·61	4·12	
Kistna ..	296,914	10,66,491	2,529	1,933	7,342	26,502	25,565	63,871	1,35,550	1,99,421	0·45	12·71	4·79	3·60	
Nellore ..	162,963	1,51,592	1,400	1,070	4,065	14,673	4,614	25,822	75,052	1,00,874	0·46	49·51	0·87	0·93	
Cuddapah ..	164,561	3,84,143	963	736	2,795	10,090	—446	14,138	51,609	65,747	0·31	13·43	4·86	2·33	
Kurnool ..	37,424	1,21,534	940	718	2,727	9,845	2,279	16,509	50,357	66,866	1·34	41·43	4·79	2·25	
Bellary ..	131,321	4,55,313	875	669	2,539	9,166	..	13,249	46,882	60,131	0·35	10·29	4·77	3·46	
Presidency ..	..	..	43	33	126	455	..	657	2,327	7,680	..	..	..	..	
Chingleput ..	311,425	3,19,280	2,390	1,827	6,936	25,037	4,636	40,826	1,28,069	1,67,795	0·41	40·11	1·13	1·02	
North Arcot ..	187,760	6,97,207	2,676	2,045	7,768	28,033	3,546	44,068	1,43,382	1,87,450	0·76	20·56	4·43	3·72	
South Arcot ..	306,872	11,98,199	1,779	1,360	5,162	18,636	4,142	31,079	96,317	1,26,990	0·31	7·95	4·21	3·91	
Salem ..	93,343	3,88,895	1,793	1,371	5,205	18,788	637	27,794	96,097	1,23,891	1·32	24·71	4·68	4·16	
Tanjore ..	924,735	35,65,128	2,718	2,078	7,890	28,480	9,659	50,825	1,45,669	1,96,494	0·15	4·08	4·65	3·65	
Trichinopoly ..	194,306	7,29,743	1,840	1,406	5,340	19,276	3,316	31,178	98,591	1,29,769	0·67	13·51	4·16	3·75	
Nilgiris ..	1,274	3,382	..	..	..	..	..	..	..	..	..	..	..	..	
Coimbatore ..	99,008	5,09,584	1,380	1,055	4,004	14,455	194	21,088	73,937	95,025	0·74	14·51	2·65	2·65	
Malabar ..	389,161	11,51,873	33	29	112	403	84	18,044	2,063	2,729	0·01	0·18	2·96	2·96	
Madura ..	137,087	2,72,303	733	598	2,272	8,200	1,191	28,037	41,941	54,985	0·81	15·41	2·29	1·98	
Tinnevelly ..	195,693	12,22,836	1,501	1,223	4,648	16,778	3,737	27,887	85,813	1,13,855	0·43	7·01	6·93	6·25	
Total ..	4,698,205	1,55,80,362	28,676	21,918	83,231	3,00,448	1,18,250	6,52,523	15,36,732	20,89,255	0·33	0·86	4·09	3·32	

5. The following abstract statement shows in a more concise form the areas, revenue, maintenance charges, and balance of revenue for the year 1876-77 (fasli 1286).

Districts.	GOVERNMENT LANDS.		TOTAL LANDS.		Maintenance Charges.	Balance of Revenue.
	Area.	Assessment.	Area.	Assessment.		
	ACRES.	RS.	ACRES.	RS.	RS.	RS.
Ganjam	185,662	5,21,434	300,588	5,71,158	63,699	5,07,459
Vizagapatam ...	48,029	2,27,462	162,791	2,92,616	20,879	2,71,737
Godavari	323,354	18,12,347	600,979	24,79,085	3,04,381	21,74,704
Kistna	192,511	9,23,221	296,914	10,66,491	1,99,421	8,67,070
Nellore	102,704	88,808	162,963	1,51,592	1,00,874	50,718
Cuddapah	64,262	3,11,886	164,561	3,84,143	65,747	3,18,396
Kurnool	20,234	96,946	37,424	1,21,534	66,866	54,668
Bellary	81,106	3,87,176	131,321	4,55,313	60,131	3,95,182
Presidency	...	...	...	...	7,680	...
Chingleput	222,233	2,50,311	311,425	3,19,280	1,67,795	1,51,485
North Arcot ...	146,535	6,54,952	187,760	6,97,207	1,88,044	5,09,163
South Arcot	277,690	11,70,660	306,872	11,98,199	1,26,990	10,71,209
Salem	77,849	3,64,298	93,343	3,88,895	1,23,891	2,65,004
Tanjore	762,207	34,71,343	924,735	35,65,128	1,96,494	33,68,634
Trichinopoly ...	171,155	7,11,926	194,306	7,29,743	1,29,769	5,99,974
Nilgiris	1,274	3,382	1,274	3,382	...	...
Coimbatore	87,106	4,95,861	99,008	5,09,584	95,025	4,14,559
Malabar	388,350	11,50,780	389,161	11,51,873	2,729	11,49,144
Madura	111,716	2,58,010	137,087	2,72,303	54,985	2,17,318
Tinnevelly	166,269	11,51,945	195,693	12,22,836	1,13,855	11,08,981
Total ...	3,430,246	1,40,52,748	4,698,205	1,55,80,362	20,89,255	1,34,91,107
1875-76 ...	...	...	...	...	...	1,72,92,903

6. The statement for fasli 1285 (1875-76) were recorded in Proceedings of Madras Government, No. 339 I, of 22nd September 1877, and the earlier statements were recorded as follows :—

Fasli 1284 (1874-75) Proceedings, Madras Government, No. 2,314, of 31st Aug. 1876.
Do. 1283 (1873-74) do. do. „ 2,197, of 28th July 1875.
Do. 1282 (1872-73) do. do. „ 1,380, of 22nd May 1874.
Do. 1281 (1871-72) do. do. „ 2,089, of 21st Aug. 1873.

FORT ST. GEORGE,
15th November 1878.

(Signed) J. O. HASTED, Lt.-Col., R.E.,
Ag. Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 115. ORDER THEREON, 22nd November 1878, No. 954 I.

COMMUNICATED to the Officers concerned and to the Revenue Department.

2. Ordered that copy of these Proceedings be forwarded for the information of the Government of India.

(True Extract.)

(Signed) J. O. HASTED, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineers.
„ Chief Engineer for Irrigation.
„ Examiner of Public Works Accounts.
„ Revenue Department.
„ Board of Revenue.

Exd. C. Howarth and E. C. Shunker.
Spare Copies

Revenue Department

IRRIGATION.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated November 22nd.

Issued

Encl.

Recd.

G. O., 22nd November 1878, No. 954 I.

NOVEMBER.

Nos. 114-115.

Revenue due to Irrigation for Fasli 1286 (1876-77).—Statement of —, communicated to the officers concerned and to the Revenue Department.

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ACCOMPANIMENT to G.O., No. 954 I, dated 22nd November 1878.

Proceedings of the Board of Revenue, dated 13th July 1878, No. 1,942.

WITH reference to G.O., dated 25th July 1872, No. 1,766, Public Works Department, the Board resolve to submit a statement showing the actual return from irrigated lands in each district for fasli 1286 (1876-77).

2. South Canara is excluded from the statement as usual, no information regarding irrigated lands in that district being available.

3. The statement does not, moreover, for want of information on the subject, include any portion of the peishcush or [illegible]aris as it cannot be separated into charge for irrigated and unirrigated land.

4. It includes ryotwari lands, which, though not actually irrigated from Government sources, are still classed and assessed as nunjah, such as those cultivated with the aid of springs in the Kistna District and the rain-fed lands in Malabar. The area of these lands is not separately recorded.

5. The total amount of revenue derived as above described from irrigated lands in fasli 1286 is Rupees 1,55,80,362 against Rupees 1,93,63,632 in fasli 1285. This large decrease of Rupees 37,83,270 is due to diminished cultivation and the unusually large remissions granted during the year on account of the unfavorable character of the season and insufficiency of water-supply as will be seen from the subjoined statement :—

Items.	Fasli 1285.		Fasli 1286.	
	Area.	Revenue.	Area.	Revenue.
	ACRES.	RS.	ACRES.	RS.
Land cultivated with wet crops	3,757,552	1,93,88,155	3,318,453	1,70,37,071
Dry crops irrigated	92,178	2,95,224	111,793	4,06,851
Total ...	3,849,730	1,96,83,379	3,430,246	1,74,43,922
Deduct remissions, fixed, occasional and miscellaneous, &c.	...	18,85,653	...	33,91,174
Remainder ...	3,849,730	1,77,97,726	3,430,246	1,40,52,748
Inam and Zemindari lands charged as irrigated	1,071,276	15,65,906	1,051,874	15,27,614
Lands irrigated free of all charged, Inam and Zemindari	234,860	...	216,085	...
Total ...	5,155,866	1,93,63,632	4,698,205	1,55,80,362

6. The details of the remissions are as shown below :—

	Fasli 1285.	Fasli 1286.
	RS.	RS.
1. Remission due to excess of water	59,218	40,978
2. Do. do. for failure of supply	10,65,449	26,98,613
3. Fixed remissions and deductions	7,60,986	6,51,583
Total ...	18,85,653	33,91,174

The increase in the second item is as already stated due to the adverse nature of season. The remissions under the first head were granted almost wholly in the Kistna District in consequence of the injury done by floods. The decrease under the third item is owing to the diminution in the revenue upon which the deductions, such as fees to village servants, are calculated.

(A true Extract.)

(Signed) C. A. GALTON,
Acting Secretary.

STATEMENT showing the Revenue due to Irrigation in each District of the Madras Presidency for Fasli 1286 (1876-77).

Districts.	GOVERNMENT LANDS CHARGED AS IRRIGATED.						
	Dry Crops charged as Irrigated.		Lands irrigated and charged as cultivated with Wet Crops.		Total Government Lands charged as irrigated.		Deduct.
	Area.	Assessment including charge for Water.	Area.	Assessment including charge for Water.	Area.	Assessment including charge for Water.	Remission on account of excess or failure of Water.
1	2	3	4	5	6	7	8
	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.	RS.
1. Ganjam	693	1,552	184,969	5,25,427	185,662	5,26,979	5,362
2. Vizagapatam	...	...	48,029	2,40,256	48,029	2,40,256	12,410
3. Godavari	15,535	1,00,706	307,819	17,75,818	323,354	18,76,524	45,562
4. Kistna	11,528	44,297	180,983	10,76,145	192,511	11,20,442	1,84,312
5. Nellore	2,138	6,604	100,566	5,77,576	102,704	5,84,180	4,26,205
6. Cuddapah	...	...	64,262	4,68,515	64,262	4,68,515	1,39,699
7. Bellary	...	...	81,106	4,69,386	81,106	4,69,386	81,047
8. Kurnool	...	...	20,234	1,41,342	20,234	1,41,342	38,691
9. Chingleput	2,060	8,226	220,173	7,88,168	222,233	7,96,394	5,39,811
10. North Arcot	4,677	14,610	141,858	8,46,719	146,535	8,61,329	1,66,502
11. South do.	14,206	45,818	263,484	14,61,783	277,690	15,07,601	2,28,162
12. Tanjore	8,075	27,158	754,132	38,14,635	762,207	38,41,793	1,21,057
13. Trichinopoly	38,908	1,11,055	132,247	6,50,876	171,155	7,61,931	7,175
14. Madura	212	639	111,504	4,87,266	111,716	4,87,905	2,27,493
15. Tinnevelly	8,272	24,292	157,997	14,84,182	166,269	15,08,474	3,08,468
16. Coimbatore	4,778	19,798	82,328	6,14,832	87,106	6,34,630	1,37,769
17. Nilgiris	...	...	1,274	3,382	1,274	3,382	...
18. Salem	711	2,096	77,138	4,43,656	77,849	4,45,752	55,900
19. Malabar	...	...	388,350	11,67,107	388,350	11,67,107	13,966
Total ...	111,793	4,06,851	3,318,453	1,70,37,071	3,430,246	1,74,43,922	27,39,591

STATEMENT showing the Revenue due to Irrigation in each District of the Madras Presidency, &c.—continued.

Districts.	GOVERNMENT LANDS CHARGED AS IRRIGATED—*continued.*		INAM AND ZEMINDARI LANDS CHARGED AS IRRIGATED.				LANDS IRRIGATED FREE OF ALL CHARGE.
	Deduct—*cont.*	Remainder.	Inams paying Quit-rent.		Inam and Zemindari Land paying Water-rate.		
	Other remissions and usual deductions.		Area.	Quit-rent.	Area subject to Water-rate.	Charge for Water.	Inam Area.
	9	10	11	12	13	14	15
	RS.	RS.	ACRES.	RS.	ACRES.	RS.	ACRES.
1. Ganjam	183	5,21,434	98,348	48,774	395	950	16,301
2. Vizagapatam	384	2,27,462	109,495	64,481	182	673	1,115
3. Godavari	18,615	18,12,347	219,587	1,13,949	133,944	5,52,789	8,526
4. Kistna	12,909	9,23,221	55,090	19,150	49,497	1,24,120	1,865
5. Nellore	69,167	88,808	50,006	62,014	244	770	10,145
6. Cuddapah	16,930	3,11,886	90,171	68,039	1,491	4,218	10,128
7. Bellary	1,163	3,87,176	39,742	60,602	2,680	7,535	9,065
8. Kurnool	5,705	96,946	15,990	19,894	1,246	4,684	1,200
9. Chingleput	6,272	2,50,311	73,174	67,545	1,032	1,424	14,722
10. North Arcot	39,875	6,54,952	20,530	36,311	2,273	5,944	21,121
11. South do.	1,08,779	11,70,660	13,329	16,609	2,721	10,930	13,900
12. Tanjore	2,49,393	34,71,343	129,440	78,370	9,383	15,415	33,088
13. Trichinopoly	42,830	7,11,926	14,811	8,472	3,321	9,345	6,204
14. Madura	2,402	2,58,010	17,596	11,573	2,253	2,720	6,185
15. Tinnevelly	48,061	11,51,945	21,371	60,529	3,331	10,362	4,748
16. Coimbatore	1,000	4,95,861	4,669	9,629	1,135	4,094	6,967
17. Nilgiris	...	3,382	...	...	...	...	...
18. Salem	25,554	3,64,298	13,128	23,804	250	793	1,918
19. Malabar	2,361	11,50,780	811	1,093	...	...	...
Total ...	6,51,583	1,40,52,748	987,288	7,70,848	215,328	7,56,766	167,198

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Statement showing the Revenue due to Irrigation in each District of the Madras Presidency, &c.—*continued.*

Districts.	Lands irrigated free of all charge—*cont.*		Total Area irrigated.	Total Lands charged as Irrigated.			Deficiency included in Columns 11 and 13.	Resolves the Remission on Cultivated Lands shown in Columns 8 and 9, Assessment on Wet Lands left uncultivated for deficiency or excess of supply was remitted as shown below,	
	Zemindari Area.	Total Area irrigated.		Remainder Land irrigated.	Assessment, Quit-rent, and Water-rate.	Extent.	Assessment.		
	16	17	18	19	20	21	22		
	Acres.	Acres.	Acres.	Acres.	Rs.	Acres.	Rs.		
1. Ganjam	44	300,750	162	300,588	5,71,158	2,877	2,956		
2. Vizagapatam	4,152	162,973	182	162,791	2,92,616	960	3,396		
3. Godavari	23,832	708,743	07,764	600,979	23,79,085	10,930	21,696		
4. Kistna	20,418	319,381	23,467	296,814	10,66,491	17,744	46,431		
5. Nellore	61	163,160	197	162,963	1,51,592	93,217	4,56,975		
6. Cuddapah	...	166,052	1,491	164,561	3,84,143	53,048	3,04,470		
7. Bellary	...	132,543	1,222	131,321	4,55,313	41,084	1,83,203		
8. Kurnool	...	38,670	1,246	37,424	1,21,534	8,935	55,736		
9. Chingleput	292	311,453	28	311,425	3,19,280	86,109	3,02,492		
10. North Arcot	140	190,599	2,889	187,760	6,97,207	70,514	3,71,342		
11. South do.	...	307,640	768	306,872	11,98,199	53,835	2,74,436		
12. Tanjore	...	934,118	9,383	924,735	35,65,128	24,615	92,305		
13. Trichinopoly	...	195,491	1,185	194,306	7,29,743	9,236	25,002		
14. Madura	...	137,750	663	137,087	2,72,303	46,434	1,88,943		
15. Tinnevelly	...	195,719	26	195,693	12,22,836	36,909	2,23,145		
16. Coimbatore	...	99,877	869	99,008	5,09,584	7,872	47,052		
17. Nilgiris	...	1,274	...	1,274	3,382	...	...		
18. Salem	448	93,593	250	93,343	3,88,895	19,490	90,440		
19. Malabar	...	389,161	...	389,161	11,51,873	953	1,361		
Total ...	48,887	4,848,947	150,742	4,698,205	1,55,80,362	584,762	26,94,431		

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

22nd November 1878, No. 954 I.

Irrigation.

Read the following papers :—

No. 114. From Major L. CONWAY-GORDON, R.E., Examiner of Public Works Accounts, to the Chief Engineer for Irrigation, dated Chepauk, 25th October 1878, No. 33 E I.

As requested in your letter, No. 111 C, dated 9th August 1878, I have the honor to forward, herewith, the statement therein referred to of maintenance charges, &c., of irrigation works for 1876-77.

Statement showing the Maintenance Charges of Irrigation Works in each District for the Year 1876-77.

Districts.	Establishment.						Agricultural Repairs.	Total Columns 7 and 8.
	Secretariat.	Accounts.	District Engineer.	Construction.	Conservancy.	Total.		
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bellary	875	669	2,535	9,136	446	13,249	46,882	60,131
Cuddapah	963	736	2,795	10,090	3,546	14,138	51,609	65,747
Chingleput	2,390	1,827	6,936	25,037	194	39,736	1,28,059	1,67,795
Coimbatore	1,380	1,055	4,004	14,455	1,227	21,088	73,937	95,025
Ganjam	909	695	2,638	9,523	47,690	14,992	48,707	63,699
Godavari	3,735	2,855	10,839	39,128	2,279	1,04,247	2,00,134	3,04,381
Kurnool	940	718	2,727	9,845	25,565	16,509	50,357	66,866
Kistna	2,529	1,933	7,342	26,502	1,151	63,871	1,35,550	1,99,421
Madura	783	598	2,272	8,200	666	41,941	41,941	64,985
Malabar	38	29	112	403	84	2,063	2,063	2,729
Nellore	1,400	1,070	4,065	14,673	4,614	25,822	75,052	1,00,874
North Arcot	2,676	2,045	7,766	28,033	4,142	44,662	1,43,382	1,88,044
Presidency	43	33	126	455	4,696	5,353	2,327	7,680
Salem	1,793	1,371	5,205	18,788	637	27,794	96,097	1,23,891
South Arcot	1,779	1,360	5,162	18,636	4,736	31,673	95,317	1,26,990
Tanjore	2,718	2,078	7,890	28,480	9,659	50,825	1,45,669	1,96,494
Tinnevelly	1,601	1,223	4,643	16,778	3,787	28,037	85,818	1,13,855
Trichinopoly	1,840	1,406	5,340	19,276	3,316	31,178	98,591	1,29,769
Vizagapatam	284	217	825	2,980	1,333	5,639	15,240	20,879
Total ..	28,676	21,918	85,231	3,00,448	1,18,250	5,52,523	15,36,732	20,89,255

(Signed) L. CONWAY-GORDON, Major, R.E.,
Examiner of Public Works Accounts.

No. 334 I.

No. 114-A. *Note by the Chief Engineer for Irrigation.*

THE statement of revenue due to irrigation for fasli 1286 (1876-77) compared with that of the preceding year shows the following results :—

	1875-76.		1876-77.	
	Extent.	Assessment.	Extent.	Assessment.
	ACRES.	RS.	ACRES.	RS.
1. Government lands	3,849,730	1,77,97,726	3,430,246	1,40,52,748
2. Inam and Zemindari lands	208,373	7,94,886	215,328	7,56,766
3. Inam lands paying quit-rent	1,003,962	7,71,020	987,288	7,70,848
4. Land irrigated free of charge. { Inam	187,912	...	167,198	...
{ Zemindari ...	46,948	...	48,887	...
Total ...	5,296,925	1,93,63,632	4,848,947	1,55,80,362
Deduct land included twice over in second and third items.	141,059	...	150,742	...
Net Total ...	5,155,866	1,93,63,632	4,698,205	1,55,80,362

2. The decrease in the latter year is in area Acres 457,661, in revenue Rupees 37,83,270. The Board of Revenue explain that this large decrease is due "to diminished cultivation and the unusually large remissions granted during the year owing to the unfavorable character of the season." The remissions of the two years faslis 1285 and 1286 were as follow :—

—	1875-76.	1876-77.
	RS.	RS.
On account of excess of water	59,218	40,978
Do. of failure of supply	10,65,449	26,98,613
Other usual remissions	7,60,986	6,51,583
Total ...	18,85,653	33,91,174

3. The increase under the second head in the latter year is attributed to the reasons already stated. The districts in which the largest remissions occurred were as noted below. The bulk of them were famine stricken :—

—	1875-76.	1876-77.
	RS.	RS.
Kistna	58,255	1,84,312
Nellore	1,89,635	4,26,205
Cuddapah	30,514	1,39,699
Chingleput	2,21,141	5,39,811
North Arcot	65,113	1,66,502
South Arcot	1,55,010	2,28,162
Tanjore	51,709	1,21,057
Madura	39,568	2,27,493
Tinnevelly	1,49,023	3,08,468
Coimbatore	1,09,873	1,37,769

4. The particulars of charges for the several districts are given in the subjoined statement, and the general result is as follows :—

—	Acreage.	Revenue.	Charges.	Per Acre.	Per Cent.
		RS.	RS.		
1875-76	5,155,866	1,93,63,632	15,16,345	0·29	7·83
1876-77	4,698,205	1,55,80,362	15,36,732	0·33	9·86

Districts.	Total Lands Irrigated.		Establishment.						Works.		Total of Columns 9 and 10.	Public Works "Charges, Works."		Average Assessment per Acre.		Remarks.
	Area.	Assessment.	Secretariat.	Account.	District Engineers.	Construction.	Conservancy.	Total.	Repairs.	Total.		Per Acre.	Per cent. on Revenue.	On Government Lands.	On Total Area.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	ACRES. Col. 10 ÷ Col. 2	RS.				
Ganjam	200,588	5,71,158	909	695	2,638	2,523	1,227	14,992	48,707	63,699	0·16	8·52		2·81	1·91	Column 15 = Column 10 ÷ Column 6 of Board of Revenue return.
Vizagapatam ...	162,791	2,92,616	284	217	825	2,930	1,333	5,639	15,240	20,879	0·04	5·21		4·74	1·79	
Godavari ...	600,979	24,79,085	8,736	2,955	10,839	39,123	47,690	1,09,341	2,00,134	3,09,475	0·52	6·05		4·79	3·12	
Kistna ...	296,914	10,66,491	2,629	1,933	7,342	26,502	25,666	65,871	1,35,550	2,01,421	0·46	12·71		0·87	0·93	
Nellore ...	162,963	1,51,592	1,400	1,070	4,065	14,673	4,614	25,822	75,052	1,00,874	0·46	49·51		4·86	2·33	
Cuddapah ...	164,561	3,84,143	963	736	2,795	10,090	— 446	14,138	61,609	65,747	0·31	13·43		4·79	3·25	
Kurnool ...	37,424	1,21,534	940	718	2,727	9,846	2,279	16,509	50,357	66,866	1·34	41·43		4·77	3·46	
Bellary ...	131,321	4,55,313	875	669	2,539	9,166	..	13,249	46,882	60,131	0·35	10·29		..	..	
Presidency ...	..	..	43	33	126	455	4,696	5,353	2,327	7,680	..	..		1·13	1·02	
Chingleput ...	311,425	3,19,280	2,390	1,827	6,938	25,037	3,546	39,736	1,28,059	1,67,795	0·41	40·11		4·48	3·72	
North Arcot ...	187,760	6,97,207	2,678	2,045	7,766	28,033	4,142	44,662	1,43,382	1,88,044	0·76	20·56		4·21	3·91	
South Arcot ...	306,872	11,98,199	1,179	1,360	6,162	18,636	4,736	31,673	95,317	1,26,990	0·31	7·95		4·68	4·16	
Salem ...	93,343	3,88,895	1,793	1,371	6,205	18,788	637	27,794	96,097	1,23,891	1·02	24·71		4·55	3·85	
Tanjore ...	924,735	35,65,128	2,718	2,078	7,890	23,480	9,659	50,825	1,45,669	1,96,494	0·15	4·08		4·16	3·76	
Trichinopoly ...	194,306	7,29,743	1,840	1,406	6,340	19,276	3,316	31,178	98,591	1,29,769	0·67	13·51		4·16	2·65	
Nilgiris ...	1,274	3,382	..	..	..	..	194	..	..	..	..	..		2·65	5·61	
Coimbatore ...	99,008	5,09,584	1,380	1,055	4,004	14,455	..	21,088	73,937	95,025	0·74	14·51		5·61	5·15	
Malabar ...	389,161	11,51,873	38	29	112	403	84	666	2,063	2,729	0·01	0·18		2·96	2·96	
Madura ...	137,087	2,72,303	783	598	2,272	8,200	1,191	13,044	41,941	54,985	0·31	15·41		2·29	1·98	
Tinnevelly ...	195,693	12,22,836	1,601	1,223	4,648	16,778	3,787	28,037	85,818	1,13,855	0·43	7·01		6·93	6·25	
Total ...	4,098,205	1,55,80,362	28,676	21,918	83,231	3,00,448	1,18,250	5,52,523	15,36,732	20,89,255	0·33	9·86		4·09	3·32	

5. The following abstract statement shows in a more concise form the areas, revenue, maintenance charges, and balance of revenue for the year 1876-77 (fasli 1286).

Districts.	Government Lands.		Total Lands.		Maintenance Charges.	Balance of Revenue.
	Area.	Assessment.	Area.	Assessment.		
	ACRES.	RS.	ACRES.	RS.	RS.	RS.
Ganjam	185,662	5,21,434	300,588	5,71,158	63,699	5,07,459
Vizagapatam ...	48,029	2,27,462	162,791	2,92,616	20,879	2,71,737
Godavari	323,354	18,12,347	600,979	24,79,085	3,04,381	21,74,704
Kistna	192,511	9,23,221	296,914	10,66,491	1,99,421	8,67,070
Nellore	102,704	88,808	162,963	1,51,592	1,00,874	50,718
Cuddapah	64,262	3,11,886	164,561	3,84,143	65,747	3,18,396
Kurnool	20,234	96,946	37,424	1,21,534	66,866	54,668
Bellary	81,106	3,87,17[illegible]	131,321	4,55,313	60,131	3,95,182
Presidency	...	...	...	...	7,680	...
Chingleput	222,233	2,50,311	311,425	3,19,280	1,67,795	1,51,485
North Arcot	146,535	6,54,952	187,760	6,97,207	1,88,044	5,09,163
South Arcot	277,690	11,70,660	306,872	11,98,199	1,26,990	10,71,209
Salem	77,849	3,64,298	93,343	3,88,895	1,23,891	2,65,004
Tanjore	762,207	34,71,343	924,735	35,65,128	1,96,494	33,68,634
Trichinopoly ...	171,155.	7,11,926	194,306	7,29,743	1,29,769	5,99,974
Nilgiris	1,274	3,382	1,274	3,382	...	...
Coimbatore ...	87,106	4,95,861	99,008	5,09,584	95,025	4,14,559
Malabar	388,350	11,50,780	389,161	11,51,873	2,729	11,49,144
Madura	111,716	2,58,010	137,087	2,72,303	54,985	2,17,318
Tinnevelly	166,269	11,51,945	195,693	12,22,836	1,13,855	11,08,981
Total ...	3,430,246	1,40,52,748	4,698,205	1,55,80,362	20,89,255	1,34,91,107
1875-76 ...	...	...	...	...	...	1,72,92,903

6. The statement for fasli 1285 (1875-76) were recorded in Proceedings of Madras Government, No. 339 I, of 22nd September 1877, and the earlier statements were recorded as follows :—

Fasli 1284 (1874-75) Proceedings, Madras Government, No. 2,314, of 31st Aug. 1876.
Do. 1283 (1873-74) do. do. " 2,197, of 28th July 1875.
Do. 1282 (1872-73) do. do. " 1,380, of 22nd May 1874.
Do. 1281 (1871-72) do. do. " 2,089, of 21st Aug. 1873.

FORT ST. GEORGE,
15th November 1878.

(Si[illegible] J. O. HASTED, Lt.-Col., R.E.,
Ag. Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 115. ORDER THEREON, 22nd November 1878, No. 954 I.

COMMUNICATED to the Officers concerned and to the Revenue Department.

2. Ordered that copy of these Proceedings be forwarded for the information of the Government of India.

(Tru[illegible]ct.)

Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineers.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.
" Board of Revenue.

Exd. C. Howarth and E. C. Shunker.
Spare Copies

4 October 77 No. 6032 Irri

Revenue Depar
No 5422.

IRRIGATION.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated November 22nd.

Issued

Recd. 10 December Encl. 1.

G. O., 22nd November 1878, No. 954 I.

NOVEMBER.

Nos. 114-115.

No. 3020

Lodged -

12: Dec /78.

Revenue due to Irrigation for Fasli 1288 (1878-79). Statement of —, communicated to the officers concerned and to the Revenue Department.