Public Works (1898) Department.

G.O., No. 953 / 954 I

DATED 13 Dec 98

3/12/98

[Despatch Abstract.]

Statistical Statements, III E + IV E.

Ordered that the Advance Copies of the revised ——, received from the Board of Revenue, be forwarded to the Govt of India

Statistical Statements, III E + IV E.

Forwarding Copy of Resolution: Reviewing the Advance Copies of the revised ——, received from the Board of Revenue

Indexed.

Dr.

[P. W. 36. 1,000—12-8-98.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*

Regd. *Spare copies*

G.O., No. 953 I., 13th December 1898.

DECEMBER.

Statistical Statements III-E and IV-E

Ordered that the advance copies of the revised —, received from the Board of Revenue, be forwarded to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper :—

Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), Mis. No. 6699, dated 19th November 1898.

Resolution—Mis. No. 6699, dated 19th November 1898.

Adverting to Board's Proceedings, No. 6001, dated 8th October 1898, the Board forwards herewith to the Chief Engineer for Irrigation the accompanying advance copies of revised statements Nos. IV-E and III-E.

2. The usual review of the statements will be forwarded in due course.

(True Extract.)

(Signed) R. V. SRINIVASIAR,
Secretary.

APPENDIX I.

COMPARATIVE statement of rainfall in each district.

Districts.	Average of five years ending 1896-97.*		1896-97.*		1897-98.*	
	South-west monsoon.	North-east monsoon.	South-west monsoon.	North-east monsoon.	South-west monsoon.	North-east monsoon.
1	2	3	4	5	6	7
	INCHES.	INCHES.	INCHES.	INCHES.	INCHES.	INCHES.
Ganjám	38·30	11·22	32·71	3·58	37·58	16·63
Vizagapatam	40·11	11·38	34·11	3·07	38·84	12·52
Gódávari	29·06	15·39	22·70	4·32	33·38	13·15
Kistna	25·66	11·67	21·65	5·53	26·38	5·59
Nellore	14·81	21·06	15·75	21·97	18·37	6·14
Cuddapah	18·54	10·64	11·71	6·45	19·62	4·03
Anantapur	16·43	6·57	11·47	3·14	22·60	3·08
Bellary	17·37	6·83	11·70	2·16	26·85	2·81
Kurnool	19·79	8·21	13·37	2·59	22·23	2·85
Chingleput	20·09	26·32	13·77	42·24	22·29	9·68
North Arcot	20·84	15·69	17·50	17·26	25·02	6·44
South Arcot	20·17	24·18	12·93	30·45	24·48	11·16
Tanjore	16·10	28·99	8·73	40·75	18·07	12·09
Trichinopoly	16·81	18 18	13·47	24·54	26·83	8·47
Madura	12·66	20·71	11·26	31·87	16·75	10·03
Tinnevelly	6·72	19·53	8·41	30·36	11·80	14·65
Coimbatore	14·07	12·89	13·99	15·19	19·14	8·29
Salem	22·34	11·91	19·04	12·73	28·52	7·77
Average ..	20·55	15·63	16·35	16·56	24·38	8·63

* Official years.

APPENDIX II.

COMPARATIVE statement of rainfall in each month of official year 1897-98.

Months.	Rainfall.		
	Average of five years ending 1896-97.	1896-97.	1897-98.
1	2	3	4
	INS.	INS.	INS.
April	1·17	0·25	0·87
May	1·68	1·65	2·15
June	3·06	2·54	2·43
July	4·05	2·78	2·92
August	5·34	4·15	6·26
September	5·25	4·98	9·75
Total, South-west monsoon ..	20·55	16·35	24·38
October	6·81	2·60	4·55
November	5·41	7·91	2·48
December	1·98	4·00	0·62
January	0·22	0·16	0·28
February	0·51	1·37	0·66
March	0·70	0·52	0·04
Total, North-east monsoon ..	15·63	16·56	8·63
Total for the year ..	36·18	32·91	33·01

APPEN

IV-E.—COMPARATIVE statement of irrigation and rainfall for

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.		
1	2	3	4	5	6	7	8
						ACS.	ACS.
Ganjám ..	5,356,160	590,859	479,105	1	Rushikulya project	142,000	120,000
				2	Ganjám minor rivers system ..	52,849	52,849
				3 (*a*)	Petty works in charge of Public Works Department	44,451	44,451
				(*b*)	Petty works in charge of Revenue Department	116,508	116,508
					Total ..	355,808	333,808
Vizagapatam ..	11,035,181	353,237	235,431	1 (*a*)	Petty works in charge of Public Works Department	56,127	55,148
				(*b*)	Petty works in charge of Revenue Department	52,888	51,584
					Total ..	109,015	106,732
Gódávari ..	5,028,480	1,700,070	1,028,646	1	Gódávari anikat	612,000	646,518
				2	Kistna anikat	39,276	39,276
				3 (*a*)	Petty works in charge of Public Works Department	49,344	44,625
				(*b*)	Petty works in charge of Revenue Department	50,895	47,614
					Total ..	751,515	778,033
Kistna ..	5,438,720	3,064,512	2,194,084	1	Kistna anikat	820,000	475,000
				2	Gódávari anikat	6,898	6,898
				3 (*a*)	Petty works in charge of Public Works Department	102,099	22,680
				(*b*)	Petty works in charge of Revenue Department	27,170	26,159
					Total ..	956,167	530,737
Nellore ..	5,609,600	1,964,875	1,094,682	1	Pennér anikat	140,769	106,146
				2	Sangam ,, ...	81,704	71,359
				3	Kistna ,, ...	1,221	1,221
				4 (*a*)	Petty works in charge of Public Works Department	100,810	88,634
				(*b*)	Petty works in charge of Revenue Department	36,138	32,157
					Total ..	360,642	299,517
Cuddapah ..	5,582,760	2,413,380	1,586,665	1	Kurnool-Cuddapah canal ..	37,309	19,505
				2 (*a*)	Petty works in charge of Public Works Department	61,404	55,926
				(*b*)	Petty works in charge of Revenue Department	147,308	126,610
					Total ..	246,021	202,041
Anantapur ..	3,482,788	2,634,032	1,428,404	1 (*a*)	Petty works in charge of Public Works Department	51,881	50,887
				(*b*)	Petty works in charge of Revenue Department	85,062	79,024
					Total ..	136,943	129,911
Bellary ..	3,762,781	2,817,453	2,146,624	1 (*a*)	Petty works in charge of Public Works Department	34,704	35,611
				(*b*)	Petty Works in charge of Revenue Department	22,091	21,482
					Total ..	56,795	57,093
Kurnool ..	4,972,160	2,507,986	1,835,560	1	Kurnool-Cuddapah canal ..	50,000	30,000
				2	Cumbum tank	6,111	6,111
				3 (*a*)	Petty works in charge of Public Works Department	20,572	20,572
				(*b*)	Petty works in charge of Revenue Department	30,378	27,303
					Total ..	107,061	83,986

DIX III.

the official year 1897–98 in the Madras Presidency.

Area irrigated in acres.						Rainfall in inches.	
1896–97.			1897–98.			1896–97.	1897–98.
Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.		
9	10	11	12	13	14	15	16
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHES.
60,721	473	61,194	63,123	1,285	64,408		
52,113	11,036	63,149	51,399	7,498	58,897		
41,941	995	42,936	42,881	1,480	44,361	36·29	54·21
78,868	3,157	82,025	72,506	4,668	77,174		
233,643	15,661	249,304	229,909	14,931	244,840	36·29	54·21
28,107	12,606	40,713	47,298	25,198	72,496		
28,948	8,405	37,353	50,215	10,414	60,629	37·18	51·36
57,055	21,011	78,066	97,513	35,612	133,125	37·18	51·36
615,618	130,836	746,454	622,830	170,561	793,391		
13,911	37	13,948	22,960	22	22,982		
34,625	331	34,956	38,990	4,981	43,971	27·02	46·53
30,299	1,726	32,025	33,313	4,184	37,497		
694,453	132,930	827,383	718,093	179,748	897,841	27·02	46·53
366,972	88,175	455,147	512,835	335	513,170		
5,670	..	5,670	6,898	..	6,898		
14,084	467	14,551	20,887	998	21,885	27·18	31·97
16,931	765	17,696	20,600	504	21,104		
403,657	89,407	493,064	561,220	1,837	563,057	27·18	31·97
57,560	3,288	60,848	62,098	3,949	66,047		
68,778	7,238	76,016	68,235	4,510	72,745		
945	..	945	1,221	..	1,221		
87,405	9,068	96,473	74,258	7,940	82,198	37·72	24·51
32,212	6,170	38,382	24,608	5,285	29,893		
246,900	25,764	272,664	230,420	21,684	252,104	37·72	24·51
17,348	4,040	21,388	16,032	4,437	20,469		
37,709	12,231	49,940	47,377	20,118	67,495	18·16	23·65
92,884	35,587	128,471	102,245	38,056	140,301		
147,941	51,858	199,799	165,654	62,611	228,265	18·16	23·65
31,205	5,811	37,016	48,314	19,586	67,900	14·61	25·68
52,835	19,423	72,258	75,403	30,077	105,480		
84,040	25,234	109,274	123,717	49,663	173,380	14·61	25·68
25,492	3,599	29,091	29,913	6,708	36,621	13·86	29·66
10,855	4,653	15,508	16,954	6,884	23,838		
36,347	8,252	44,599	46,867	13,592	60,459	13·86	29·66
61,508	4,110	65,618	21,984	3,410	25,394		
5,482	2,587	8,069	5,495	3,871	9,366		
16,442	3,698	20,140	21,150	5,478	26,628	15·96	25·08
20,228	3,256	23,484	26,764	4,892	31,656		
103,660	13,651	117,311	75,393	17,651	93,044	15·96	25·08

APPEN

IV-E.—Comparative statement of irrigation and rainfall for

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.		
1	2	3	4	5	6	7	8
						ACS.	ACS.
Chingleput ..	1,978,965	952,033	659,898	1	Pálár anikat	23,243	23,120
				2	Chembrambakkam tank ..	13,127	13,127
				3	Madras water supply and irrigation extension project ..	7,367	7,069
				4	Vallur anikat	5,495	5,199
				5 (*a*)	Petty works in charge of Public Works Department ..	252,412	236,362
				(*b*)	Petty works in charge of Revenue Department ..	134,021	127,020
					Total ..	435,665	411,897
North Arcot ..	4,713,871	1,377,938	828,396	1	Palar anikat	47,454	50,922
				2	Cheyaru anikat	19,900	19,855
				3	Poiney anikat	18,388	21,273
				4 (*a*)	Petty works in charge of Public Works Department ..	75,237	74,665
				(*b*)	Petty works in charge of Revenue Department ..	183,438	170,703
					Total ..	344,417	337,418
South Arcot ..	3,338,230	2,015,079	1,456,961	1	Pelandorai anikat	6,972	6,824
				2	Lower Colercon anikat	78,846	77,735
				3	Shatiatope anikat	26,497	25,005
				4	Vriddhachalam anikat	5,747	5,606
				5	Mehmattur anikat	3,620	3,610
				6	Tirukkóyilúr anikat	21,473	20,749
				7 (*a*)	Petty works in charge of Public Works Department ..	98,009	92,434
				(*b*)	Petty works in charge of Revenue department ..	216,986	186,367
					Total ..	458,150	418,330
Tanjore ..	2,371,724	1,668,781	1,273,606	1	Cauvery upper anikat ..	868,342	1,196,145
				2	Lower Coleroon anikat ..	55,969	23,415
				3 (*a*)	Petty works in charge of Public Works Department ..	Not available	22,392
				(*b*)	Petty works in charge of Revenue Department ..	Do.	36,697
					Total ..	924,311	1,278,649
Trichinopoly ..	3,028,480	1,434,961	934,833	1	Cauvery upper anikat ..	51,197	43,924
				2	Nandyar channel	7,479	4,431
				3 (*a*)	Petty works in charge of Public Works Department ..	89,383	75,641
				(*b*)	Petty works in charge of Revenue Department ..	Not available	43,680
					Total ..	148,059	167,676
Madura ..	5,640,462	1,442,273	1,009,253	1	Periyár project	107,650	76,445
				2 (*a*)	Petty works in charge of Public Works Department ..	46,968	46,230
				(*b*)	Petty works in charge of Revenue Department ..	86,070	83,005
					Total ..	240,688	205,680
Tinnevelly ..	3,448,859	1,761,039	1,145,900	1	Srivaikuntam anikat	20,362	20,362
				2	Marudur anikat	17,715	17,715
				3 (*a*)	Petty works in charge of Public Works Department ..	102,107	100,292
				(*b*)	Petty works in charge of Revenue Department ..	86,720	86,095
					Total ..	226,904	224,464

DIX III—*cont.*

the official year 1897-98 in the Madras Presidency—*cont.*

Area irrigated in acres.						Rainfall in inches.	
1896-97.			1897-98.			1896-97.	1897-98.
Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.		
9	10	11	12	13	14	15	16
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHES.
18,117	3,309	21,426	19,515	2,635	22,150		
12,002	4,466	16,468	10,879	3,897	14,776		
8,463	2,613	11,076	7,434	3,024	10,458		
4,230	469	4,699	4,357	248	4,605	56·01	31·97
226,742	40,177	266,919	215,958	32,209	248,167		
119,841	21,850	141,691	122,536	14,562	137,098		
389,395	72,884	462,279	380,679	56,575	437,254	56·01	31·97
40,234	12,883	53,117	41,951	10,763	52,714		
19,020	8,161	27,181	18,273	3,848	22,121		
15,969	5,444	21,413	18,774	5,023	23,797		
54,390	20,926	75,316	56,285	21,008	77,293	34·76	31·46
149,361	71,514	220,875	156,608	71,565	228,173		
278,974	118,928	397,902	291,891	112,207	404,098	34·76	31·46
8,880	170	9,050	9,645	267	9,912		
81,909	1,123	83,032	72,153	2,138	74,291		
28,167	2,980	31,147	29,448	4,296	33,744		
6,599	213	6,812	6,204	310	6,514		
3,542	68	3,610	3,470	112	3,582		
21,933	2,304	24,237	22,398	2,854	25,252	43·38	35·64
89,756	17,923	107,679	97,934	19,471	117,405		
203,804	46,858	250,662	189,585	41,719	231,304		
444,590	71,639	516,229	430,837	71,167	502,004	43·38	35·64
809,703	72,032	881,735	809,059	80,151	889,210		
19,956	1,020	20,976	22,019	965	22,984		
15,914	1,527	17,441	16,909	1,668	18,577	49·48	30·16
29,494	2,111	31,605	35,655	2,472	38,127		
875,067	76,690	951,757	883,642	85,256	968,898	49·48	30·16
42,802	17,523	60,325	43,299	17,021	60,320		
4,205	1,729	5,934	4,968	2,292	7,260		
71,782	26,298	98,080	72,925	28,710	101,635	38·01	35·30
32,066	13,890	45,956	35,164	13,660	48,824		
150,855	59,440	210,295	156,356	61,683	218,039	38·01	35·30
53,337	13,447	66,784	69,692	20,370	90,062		
43,658	12,210	55,868	44,718	20,668	65,386	43·13	26·78
85,026	19,248	104,274	78,527	21,017	99,544		
182,021	44,905	226,926	192,937	62,055	254,992	43·13	26·78
18,812	15,433	34,245	19,421	18,725	38,146		
16,975	15,020	31,995	17,092	15,170	32,262		
95,010	63,792	158,802	93,842	65,793	159,635	38·77	26·45
83,667	41,509	125,176	75,449	33,825	109,274		
214,464	135,754	350,218	205,804	133,513	339,317	38·77	26·45

APPEN

IV.—E.—Comparative statement of irrigation and rainfall for

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.		
1	2	3	4	5	6	7	8
						ACS.	ACS.
Coimbatore ..	5,030,420	3,039,240	2,266,851	1	Thadapalli channel	13,738	13,597
				2	Arkankottai ,, ...	4,118	4,019
				3	Kalingaroyan anikat	9,026	11,230
				4 (*a*)	Petty works in charge of Public Works Department	63,232	60,807
				(*b*)	Petty works in charge of Revenue Department	9,703	8,412
					Total ..	99,817	98,065
Salem ..	4,818,379	1,797,813	1,287,529	1	Barur tank project	8,397	7,598
				2 (*a*)	Petty works in charge of Public Works Department	30,245	29,489
				(*b*)	Petty works in charge of Revenue Department	98,629	93,075
					Total ..	137,271	130,162
Grand Total..	84,638,020	33,535,501	22,892,428	..	Total of first and second class works	3,432,259	3,273,858
				..	Total of third and fourth class works	2,662,990	2,520,341
					Total ..	6,095,249	5,794,199

DIX III—*cont.*

the official year 1897-98 in the Madras Presidency—*cont.*

Area irrigated in acres.						Rainfall in inches.	
1896-97.			1897-98.				
Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.	1896-97.	1897-98.
9	10	11	12	13	14	15	16
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHES.
13,821	167	13,988	13,451	502	13,953	29·18	27·43
4,050	19	4,069	3,840	252	4,092		
11,185	9,259	20,444	11,230	9,130	20,360		
57,464	18,312	75,776	59,291	20,160	79,451		
10,821	3,191	14,012	8,267	3,209	11,476		
97,341	30,948	128,289	96,079	33,253	129,332	29·18	27·43
2,459	1,059	3,518	2,652	887	3,539	31·77	36·29
22,782	9,492	32,274	25,360	11,472	36,832		
77,193	23,134	100,327	85,347	29,306	114,653		
102,434	33,685	136,119	113,359	41,665	155,024	31·77	36·29
2,592,996	442,731	3,035,727	2,736,334	404,758	3,141,092	32·91	33·01
2,149,841	585,910	2,735,751	2,264,036	649,945	2,913,981		
4,742,837	1,028,641	5,771,478	5,000,370	1,054,703	6,055,073	32·91	33·01

APPENDIX IV.

III-E.—Statement of quantity and value of crops irrigated in the Madras Presidency during the fasli year 1897–98 under Major (Productive) works and Minor works for which Capital and Revenue Accounts are kept.

Name of system.	Description.						Total.	
	Paddy.		Ragi.		Other crops.			
	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.
1	2	3	4	5	6	7	8	9
Class I.—Works.	ACS.	RS.	ACS.	RS.	ACS.	RS.	ACS.	RS.
1. Gódávari delta	665,885	2,27,15,663	4,544	89,044	122,074	21,58,016	792,503	2,49,62,723
2. Kistna do.	510,323	1,86,87,434	1,794	17,805	4,841	1,61,995	516,958	1,88,67,234
3. Cauvery do.	899,171	2,93,24,006	20,158	2,58,297	32,530	4,87,607	951,859	3,00,69,910
4. Pennér anikat	62,488	16,66,024	840	9,673	3,409	14,319	66,737	16,90,016
5. Sangam do.	65,356	17,26,933	1,146	12,091	4,201	39,753	70,697	17,78,777
6. Srivaikuntam do. ..	36,507	6,71,416	68	377	1,282	8,337	37,857	6,80,130
7. Barur tank project	2,979	1,00,513	277	3,152	363	3,192	3,619	1,06,857
8. Rushikulya do.	67,462	16,55,217	1,213	8,244	605	23,814	69,280	16,87,275
9. Kurnool-Cuddapah canal ..	23,380	8,75,404	3,744	56,883	18,632	5,96,450	45,756	15,28,737
10. Periyár project	76,142	16,44,646	3,275	26,662	5,627	72,805	85,044	17,44,113
Class II.—Works.								
11. Pálár anikat	78,128	17,72,610	6,852	42,196	4,580	28,083	89,560	18,42,889
12. Pelandorai do.	9,163	1,93,245	347	3,234	330	12,257	9,840	2,08,736
13. Chembrambakkam tank ..	12,560	2,00,255	712	4,265	1,581	47,657	14,853	2,52,177
14. Madras water-supply and irrigation extension project.	8,780	1,63,412	746	5,809	433	3,559	9,959	1,72,780
15. Cumbum tank	5,199	1,58,164	432	4,886	3,800	33,517	9,431	1,96,567
16. Thadapalli channel	13,973	5,62,629	41	361	741	32,928	14,755	5,95,918
17. Arkankottai do.	4,066	1,83,763	6	60	58	1,752	4,130	1,85,575
18. Kalingarayan do.	16,626	6,98,149	1,921	17,556	1,907	1,30,409	20,454	8,46,114
19. Vallur anikat ..	3,835	47,770	256	1,176	537	1,436	4,628	50,382
20. Cheyaru do. ..	21,502	5,10,515	3,204	20,026	1,383	9,182	26,089	5,39,723
21. Poiney do. ..	20,586	4,96,939	4,055	25,049	1,778	20,343	26,419	5,42,331
22. Lower Coleroon do. ..	107,231	33,52,572	1,828	28,226	2,011	22,221	111,070	34,03,019
23. Shatiatope do. ..	29,402	7,27,555	2,067	23,195	1,157	18,715	32,626	7,69,465
24. Vriddhachalam do. ..	5,899	1,66,788	318	3,980	191	6,408	6,408	1,77,176
25. Mehmattur do. ..	3,700	1,27,316	90	1,244	225	2,304	4,015	1,30,864
26. Marudur do. ..	28,475	5,87,644	224	1,510	2,167	18,713	30,866	6,07,867
27. Tirukkóyilúr do. ..	22,120	4,76,974	1,942	21,640	1,189	32,995	25,251	5,31,609
28. Ganjám minor rivers system ..	54,499	20,19,620	1,645	12,449	6,208	28,176	62,352	20,60,245
29. Nandyar channel	4,606	1,18,154	1,199	11,230	1,186	39,839	6,991	1,69,223
Total ..	2,860,037	9,16,31,330	64,944	7,10,320	225,026	40,56,782	3,150,007	9,63,98,432

Order—No. 953 I., dated 13th December 1898.

The advance copies of revised statistical statements III-E and IV-E, received from the Board of Revenue, will be forwarded to the Government of India in supersession of the statements forwarded with Proceedings of Madras Government, No. 835 I., dated 28th October 1898.

[Here enter No. 954 I., dated 13th December 1898.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

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

Exd. T. K. Narayana Aiyangar.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Proceedings of the Board of Revenue (Settlement, Land Revenue and Agriculture) No. 6699 mis: dy 19th Nov/98.

Order Hereon No: 953 Dy 13.12.98

The advance copies of revised statistical statements III E, and IV E, received from the Board of Revenue will be forwarded to the Government of India in supersession of the statements forwarded with Proceedings of Madras Government No. 835. I. dy 28th Oct/98.

Endorsement No: 954 Dy 13.12.98.

Forwarded.

To,
The Chief Engr for Irrign:
" Supdg: Engineers.
" Examiner P.W. Accounts.
" Revenue department.

Public Works (1898) Department.

CURRENT No. ~~4951~~ 9828

From the Board of Revenue, R.S.L.R & Agriculture

Order

No. 6699 Revs

Dated 19 — 11 — 98

Received ~~24 — 30 —~~

Registered 30-11-98

Enclosures 1

Spare copies

SUBJECT.

Revised Statements Nos. II E & III E

forwarding advance copies of & stating that the usual returns of the statements will be forwarded in due course.

FE 1.

21/11

Copies sent 21/11/98

Copies sent 29/11

With 5 copies

B. I. Form No. 1—1,000—21-4-98.

BACK PAPERS.

No.	Date.
R5129	24-10-98
22702	20-10-98

FURTHER PAPERS.

No.	Date.

REVENUE BOARD OFFICE MADRAS.

Proceedings of the Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

Dated 15th November 1898.

No. 6699 Misc: VP

CHIEF ENGINEER FOR IRRIGATION. 21 NOV. 1898 49

READ

Resolution.

Adverting to Board's Proceedings, No 6001, dated 8th October 1898, the Board forward herewith to the Chief Engineer for Irrigation the accompanying advance copies of revised statements Nos IV E and III E.

2. The usual review of the statements will be forwarded in due course.

(True Extract)

R. V. Srinivasa Ayyar
Secretary

To The Chief Engineer for Irrigation

mailed with 8 Ords 83 & 87 28-10-98

Est 49/a

(Sett. 11—2,000—29-10 97).

1898.

Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

L

The chief Engineer for Irrigation

No. of Enclosures.

Proceedings, dated 15—11— 1898,

No. 6655 Misc:

Subject.

Forwarding to the chief Engineer for Irrigation, advance copies of revised Statements Nos. IV E and III E & stating that the usual review of the Statements will be forwarded in due course.

2B 1498

SECRETARIAT
GOVT. OF MADRAS
21 NOV 1898
NO. 495 Lu
1

APPENDIX I.

COMPARATIVE statement of rainfall in each district.

Districts.	Average of five years ending 1896-97.*		1896-97.*		1897-98.*	
	South-west monsoon.	North-east monsoon.	South-west monsoon.	North-east monsoon.	South-west monsoon.	North-east monsoon.
1	2	3	4	5	6	7
	INCHES.	INCHES.	INCHES.	INCHES.	INCHES.	INCHES.
Ganjám	38·30	11·22	32·71	3·58	37·58	16·63
Vizagapatam	40·11	11·38	34·11	3·07	38·84	12·52
Gódávari	29·06	15·39	22·70	4·32	33·38	13·15
Kistna	25·66	11·67	21·65	5·53	26·38	5·59
Nellore	14·81	21·06	15·75	21·97	18·37	6·14
Cuddapah	18·54	10·64	11·71	6·45	19·62	4·03
Anantapur	10·43	6·57	11·47	3·14	22·60	3·08
Bellary	17·37	6·83	11·70	2·16	26·85	2·81
Kurnool	19·79	8·21	13·37	2·59	22·23	2·85
Chingleput	20·09	26·32	13·77	42·24	22·29	9·68
North Arcot	20·84	15·69	17·50	17·26	25·02	6·44
South Arcot	20·17	24·18	12·93	30·45	24·48	11·16
Tanjore	16·10	28·99	8·73	40·75	18·07	12·09
Trichinopoly	16·81	18·18	13·47	24·54	26·83	8·47
Madura	12·66	20·71	11·26	31·87	16·75	10·03
Tinnevelly	6·72	19·53	8·41	30·36	11·80	14·65
Coimbatore	14·07	12·89	13·99	15·19	19·14	8·29
Salem	22·34	11·91	19·04	12·73	28·52	7·77
Average ..	20·55	15·63	16·35	16·56	24·38	8·63

* Official years.

APPENDIX II.

COMPARATIVE statement of rainfall in each month of official year 1897–98.

Months.	Rainfall.		
	Average of five years ending 1896-97.	1896-97.	1897-98.
1	2	3	4
	INS.	INS.	INS.
April	1·17	0·25	0·87
May	1·68	1·65	2·15
June	3·06	2·54	2·43
July	4·05	2·78	2·92
August	5·34	4·15	6·26
September	5·25	4·98	9·75
Total, South-west monsoon ..	20·55	16·35	24·38
October	6·81	2·60	4·55
November	5·41	7·91	2·48
December	1·98	4·00	0·62
January	0·22	0·16	0·28
February	0·51	1·37	0·66
March	0·70	0·52	0·04
Total, North-east monsoon ..	15·63	16·56	8·63
Total for the year ..	36·18	32·91	33·01

IV-E.—Comparative statement of irrigation and rainfall for

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.		
1	2	3	4	5	6	7	8
						ACS.	ACS.
Ganjám ..	5,356,160	590,859	479,105	1	Rushikulya project	142,000	120,000
				2	Ganjám minor rivers system ..	52,849	52,849
				3 (*a*)	Petty works in charge of Public Works Department	44,451	44,451
				(*b*)	Petty works in charge of Revenue Department	116,508	116,508
					Total ..	355,808	333,808
Vizagapatam ..	11,035,181	353,237	235,431	1 (*a*)	Petty works in charge of Public Works Department	56,127	55,148
				(*b*)	Petty works in charge of Revenue Department	52,888	51,584
					Total ..	109,015	106,732
Gódávari ..	5,028,480	1,700,070	1,028,646	1	Gódávari anikat	612,000	646,518
				2	Kistna anikat	39,276	39,276
				3 (*a*)	Petty works in charge of Public Works Department	49,344	44,625
				(*b*)	Petty works in charge of Revenue Department	50,895	47,614
					Total ..	751,515	778,033
Kistna ..	5,438,720	3,064,512	2,194,084	1	Kistna anikat	820,000	475,000
				2	Gódávari anikat	6,898	6,898
				3 (*a*)	Petty works in charge of Public Works Department	102,099	22,630
				(*b*)	Petty works in charge of Revenue Department	27,170	26,159
					Total ..	956,167	530,737
Nellore ..	5,609,600	1,964,875	1,094,682	1	Pennér anikat	140,769	106,146
				2	Sangam ,, ...	81,704	71,359
				3	Kistna ,, ...	1,221	1,221
				4 (*a*)	Petty works in charge of Public Works Department	100,810	88,034
				(*b*)	Petty works in charge of Revenue Department	36,138	32,157
					Total ..	360,642	299,517
Cuddapah ..	5,582,760	2,413,380	1,586,665	1	Kurnool-Cuddapah canal ..	37,309	19,505
				2 (*a*)	Petty works in charge of Public Works Department	61,404	55,926
				(*b*)	Petty works in charge of Revenue Department	147,308	126,610
					Total ..	246,021	202,041
Anantapur ..	3,482,788	2,634,032	1,428,404	1 (*a*)	Petty works in charge of Public Works Department	51,881	50,887
				(*b*)	Petty works in charge of Revenue Department	85,062	79,024
					Total ..	136,943	129,911
Bellary ..	3,762,781	2,817,453	2,146,624	1 (*a*)	Petty works in charge of Public Works Department	34,704	35,611
				(*b*)	Petty Works in charge of Revenue Department	22,091	21,482
					Total ..	56,795	57,093
Kurnool ..	4,972,160	2,507,986	1,835,560	1	Kurnool-Cuddapah canal ..	50,000	30,000
				2	Cumbum tank	6,111	6,111
				3 (*a*)	Petty works in charge of Public Works Department	20,572	20,572
				(*b*)	Petty works in charge of Revenue Department	30,378	27,303
					Total ..	107,061	83,986

DIX III.

the official year 1897–98 in the Madras Presidency.

Area irrigated in acres.						Rainfall in inches.	
1896–97.			1897–98.				
Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.	1896–97.	1897–98.
9	10	11	12	13	14	15	16
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHES.
60,721	473	61,194	63,123	1,285	64,408		
52,113	11,036	63,149	51,399	7,498	58,897		
41,941	995	42,936	42,881	1,480	44,361	36·29	54·21
78,868	3,157	82,025	72,506	4,668	77,174		
233,643	15,661	249,304	229,909	14,931	244,840	36·29	54·21
28,107	12,606	40,713	47,298	25,198	72,496		
28,948	8,405	37,353	50,215	10,414	60,629	37·18	51·36
57,055	21,011	78,066	97,513	35,612	133,125	37·18	51·36
615,618	130,836	746,454	622,830	170,561	793,391		
13,911	37	13,948	22,960	22	22,982		
34,625	331	34,956	38,990	4,981	43,971	27·02	46·53
30,299	1,726	32,025	33,313	4,184	37,497		
694,453	132,930	827,383	718,093	179,748	897,841	27·02	46·53
366,972	88,175	455,147	512,835	335	513,170		
5,670	..	5,670	6,898	..	6,898		
14,084	467	14,551	20,887	998	21,885	27·18	31·97
16,931	765	17,696	20,600	504	21,104		
403,657	89,407	493,064	561,220	1,837	563,057	27·18	31·97
57,560	3,288	60,848	62,098	3,949	66,047		
68,778	7,238	76,016	68,235	4,510	72,745		
945	..	945	1,221	..	1,221		
87,405	9,068	96,473	74,258	7,940	82,198	37·72	24·51
32,212	6,170	38,382	24,608	5,285	29,893		
246,900	25,764	272,664	230,420	21,684	252,104	37·72	24·51
17,348	4,040	21,388	16,032	4,437	20,469		
37,709	12,231	49,940	47,377	20,118	67,495	18·16	23·65
92,884	35,587	128,471	102,245	38,056	140,301		
147,941	51,858	199,799	165,654	62,611	228,265	18·16	23·65
31,205	5,811	37,016	48,314	19,586	67,900	14·61	25·68
52,835	19,423	72,258	75,403	30,077	105,480		
84,040	25,234	109,274	123,717	49,663	173,380	14·61	25·68
25,492	3,599	29,091	29,913	6,708	36,621	13·86	29·66
10,855	4,653	15,508	16,954	6,884	23,838		
36,347	8,252	44,599	46,867	13,592	60,459	13·86	29·66
61,508	4,110	65,618	21,984	3,410	25,394		
5,482	2,587	8,069	5,495	3,871	9,366		
16,442	3,698	20,140	21,150	5,478	26,628	15·96	25·08
20,228	3,256	23,484	26,764	4,892	31,656		
103,660	13,651	117,311	75,393	17,651	93,044	15·96	25·08

IV-E.—Comparative statement of irrigation and rainfall for the official year 1897-98 in the Madras Presidency—*cont.*

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.	Area irrigated in acres.						Rainfall in inches.	
								1896-97.			1897-98.				
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.			Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.	1896-97.	1897-98.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
						ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHS.
Chingleput ..	1,978,965	952,033	659,898	1	Pálár anikat	23,243	23,120	18,117	3,309	21,426	19,515	2,635	22,150	56·01	31·97
				2	Chembrambakkam tank ..	13,127	13,127	12,002	4,466	16,468	10,879	3,897	14,776		
				3	Madras water supply and irrigation extension project ..	7,367	7,069	8,463	2,613	11,076	7,434	3,024	10,458		
				4	Vallur anikat	5,495	5,199	4,230	469	4,699	4,357	248	4,605		
				5 (*a*)	Petty works in charge of Public Works Department ..	252,412	236,362	226,742	40,177	266,919	215,958	32,209	248,167		
				(*b*)	Petty works in charge of Revenue Department ..	134,021	127,020	119,841	21,850	141,691	122,536	14,562	137,098		
					Total ..	435,665	411,897	389,395	72,884	462,279	380,679	56,575	437,254	56·01	31·97
North Arcot..	4,713,871	1,377,938	828,396	1	Palar anikat	47,454	50,922	40,234	12,883	53,117	41,951	10,763	52,714	34·76	31·46
				2	Cheyaru anikat	19,900	19,855	19,020	8,161	27,181	18,273	3,848	22,121		
				3	Poiney anikat	18,388	21,273	15,969	5,444	21,413	18,774	5,023	23,797		
				4 (*a*)	Petty works in charge of Public Works Department ..	75,237	74,665	54,390	20,926	75,316	56,285	21,008	77,293		
				(*b*)	Petty works in charge of Revenue Department ..	183,438	170,703	149,361	71,514	220,875	156,608	71,565	228,173		
					Total ..	344,417	337,418	278,974	118,928	397,902	291,891	112,207	404,098	34·76	31·46
South Arcot ..	3,338,230	2,015,079	1,456,961	1	Pelandorai anikat	6,972	6,824	8,880	170	9,050	9,645	267	9,912	43·38	35·64
				2	Lower Coleroon anikat	78,846	77,735	81,909	1,123	83,032	72,153	2,138	74,291		
				3	Shatiatope anikat	26,497	25,005	28,167	2,980	31,147	29,448	4,296	33,744		
				4	Vriddhachalam anikat	5,747	5,606	6,599	213	6,812	6,204	310	6,514		
				5	Mehmattur anikat	3,620	3,610	3,542	68	3,610	3,470	112	3,582		
				6	Tirukkóyilúr anikat	21,473	20,749	21,933	2,304	24,237	22,398	2,854	25,252		
				7 (*a*)	Petty works in charge of Public Works Department ..	98,009	92,434	89,756	17,923	107,679	97,934	19,471	117,405		
				(*b*)	Petty works in charge of Revenue department ..	216,986	186,367	203,804	46,858	250,662	189,585	41,719	231,304		
					Total ..	458,150	418,330	444,590	71,639	516,229	430,837	71,167	502,004	43·38	35·64
Tanjore ..	2,371,724	1,668,781	1,273,606	1	Cauvery upper anikat ..	868,342	1,196,145	809,703	72,032	881,735	809,059	80,151	889,210	49·48	30·16
				2	Lower Coleroon anikat ..	55,969	23,415	19,956	1,020	20,976	22,019	965	22,984		
				3 (*a*)	Petty works in charge of Public Works Department ..	Not available	22,392	15,914	1,527	17,441	16,909	1,668	18,577		
				(*b*)	Petty works in charge of Revenue Department ..	Do.	36,697	29,494	2,111	31,605	35,655	2,472	38,127		
					Total ..	924,311	1,278,649	875,067	76,690	951,757	883,642	85,256	968,898	49·48	30·16
Trichinopoly ..	3,028,480	1,434,961	934,833	1	Cauvery upper anikat ..	51,197	43,924	42,802	17,523	60,325	43,299	17,021	60,320	38·01	35·30
				2	Nandyar channel ..	7,479	4,431	4,205	1,729	5,934	4,968	2,292	7,260		
				3 (*a*)	Petty works in charge of Public Works Department ..	89,383	75,641	71,782	26,298	98,080	72,925	28,710	101,635		
				(*b*)	Petty works in charge of Revenue Department ..	Not available	43,680	32,066	13,890	45,956	35,164	13,660	48,824		
					Total ..	148,059	167,676	150,855	59,440	210,295	156,356	61,683	218,039	38·01	35·30
Madura ..	5,640,462	1,442,273	1,009,253	1	Periyár project	107,650	76,445	53,337	13,447	66,784	69,692	20,370	90,062	43·13	26·78
				2 (*a*)	Petty works in charge of Public Works Department ..	46,968	46,230	43,658	12,210	55,868	44,718	20,668	65,386		
				(*b*)	Petty works in charge of Revenue Department ..	86,070	83,005	85,026	19,248	104,274	78,527	21,017	99,544		
					Total ..	240,688	205,680	182,021	44,905	226,926	192,937	62,055	254,992	43·13	26·78
Tinnevelly ..	3,448,859	1,761,039	1,145,900	1	Srivaikuntam anikat	20,362	20,362	18,812	15,433	34,245	19,421	18,725	38,146	38·77	26·45
				2	Marudur anikat	17,715	17,715	16,975	15,020	31,995	17,092	15,170	32,262		
				3 (*a*)	Petty works in charge of Public Works Department ..	102,107	100,292	95,010	63,792	158,802	93,812	65,793	159,635		
				(*b*)	Petty works in charge of Revenue Department ..	86,720	86,095	83,667	41,509	125,176	75,449	33,825	109,274		
					Total ..	226,904	224,464	214,464	135,754	350,218	205,804	133,513	339,317	38·77	26·45

IV.—E.—Comparative statement of irrigation and rainfall for the official year 1897-98 in the Madras Presidency—*cont.*

Civil district.	Of the Civil district.			Works supplying irrigation.		Culturable area commanded by the irrigation works in column 6 in acres.	Area at present estimated as annually irrigable by the works specified in column 6.
	Total area in acres.	Culturable area in acres.	Cultivated area in acres.	No.	Name.		
1	2	3	4	5	6	7	8
						ACS.	ACS.
Coimbatore ..	5,030,420	3,039,240	2,266,851	1	Thadapalli channel	13,738	13,597
				2	Arkankottai ,, ...	4,118	4,019
				3	Kalingarayan anikat	9,026	11,230
				4 (*a*)	Petty works in charge of Public Works Department	63,232	60,807
				(*b*)	Petty works in charge of Revenue Department	9,703	8,412
					Total ..	99,817	98,065
Salem ..	4,818,379	1,797 813	1,287,529	1	Barur tank project	8,397	7,598
				2 (*a*)	Petty works in charge of Public Works Department	30,245	29,489
				(*b*)	Petty works in charge of Revenue Department	98,629	93,075
					Total ..	137,271	130,162
Grand Total..	84,638,020	33,535,501	22,892,428	..	Total of first and second class works	3,432,259	3,273,858
				..	Total of third and fourth class works	2,662,990	2,520,341
					Total ..	6,095,249	5,794,199

the official year 1897-98 in the Madras Presidency—*cont.*

Area irrigated in acres.						Rainfall in inches.	
1896-97.			1897-98.			1896-97.	1897-98.
Kharif, first crop.	Rabi, second crop.	Total.	Kharif, first crop.	Rabi, second crop.	Total.		
9	10	11	12	13	14	15	16
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	INCHES.	INCHES.
13,821	167	13,988	13,451	502	13,953	29·18	27·43
4,050	19	4,069	3,840	252	4,092		
11,185	9,259	20,444	11,230	9,130	20,360		
57,464	18,312	75,776	59,291	20,160	79,451		
10,821	3,191	14,012	8,267	3,209	11,476		
97,341	30,948	128,289	96,079	33,253	129,332	29·18	27·43
2,459	1,059	3,518	2,652	887	3,539	31·77	36·29
22,782	9,492	32,274	25,360	11,472	36,832		
77,193	23,134	100,327	85,347	29,306	114,653		
102,434	33,685	136,119	113,359	41,665	155,024	31·77	36·29
2,592,996	442,731	3,035,727	2,736,334	404,758	3,141,092	32·91	33·01
2,149,841	585,910	2,735,751	2,264,036	649,945	2,913,981		
4,742,837	1,028,641	5,771,478	5,000,370	1,054,703	6,055,073	32·91	33·01

APPENDIX IV.

III-E.—Statement of quantity and value of crops irrigated in the Madras Presidency during the fasli year 1897–98 under Major (Productive) works and Minor works for which Capital and Revenue Accounts are kept.

Name of system.	Description.						Total.	
	Paddy.		Ragi.		Other crops.			
	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.
1	2	3	4	5	6	7	8	9
Class I.—Works.	ACS.	RS.	ACS.	RS.	ACS.	RS.	ACS.	RS.
1. Gódávari delta	665,885	2,27,15,663	4,544	89,044	122,074	21,58,016	792,503	2,49,62,723
2. Kistna do.	510,323	1,86,87,434	1,794	17,805	4,841	1,61,995	516,958	1,88,67,234
3. Cauvery do.	899,171	2,93,24,006	20,158	2,58,297	32,530	4,87,607	951,859	3,00,69,910
4. Pennér anikat	62,488	16,66,024	840	9,673	3,409	14,319	66,737	16,90,016
5. Sangam do.	65,350	17,26,933	1,146	12,091	4,201	39,753	70,697	17,78,777
6. Srivaikuntam do.	36,507	6,71,416	68	377	1,282	8,337	37,857	6,80,130
7 Barur tank project	2,979	1,00,513	277	3,152	363	3,192	3,619	1,06,857
8. Rushikulya do.	67,462	16,55,217	1,213	8,244	605	23,814	69,280	16,87,275
9. Kurnool-Cuddapah canal ..	23,380	8,75,404	3,744	56,883	18,632	5,96,450	45,756	15,28,737
10. Periyár project	76,142	16,44,646	3,275	26,662	5,627	72,805	85,044	17,44,113
Class II.—Works.								
11. Pálár anikat	78,128	17,72,610	6,852	42,196	4,580	28,083	89,560	18,42,889
12. Pelandorai do.	9,163	1,93,245	347	3,234	330	12,257	9,840	2,08,736
13. Chembrambakkam tank .	12,560	2,00,255	712	4,265	1,581	47,657	14,853	2,52,177
14. Madras water-supply and irrigation extension project.	8,780	1,63,412	746	5,809	433	3,559	9,959	1,72,780
15 Cumbum tank	5,199	1,58,164	432	4,886	3,800	33,517	9,431	1,96,567
16. Thadapalli channel	13,973	5,62,629	41	361	741	32,928	14,755	5,95,918
17. Arakankottai do.	4,066	1,83,763	6	60	58	1,752	4,130	1,85,575
18. Kalingarayan do.	16,626	6,98,149	1,921	17,556	1,907	1,30,409	20,454	8,46,114
19. Vallur anikat ..	3,835	47,770	256	1,176	537	1,436	4,628	50,382
20. Cheyara do. ..	21,502	5,10,515	3,204	20,026	1,383	9,182	26,089	5,39,723
21. Poiney do. ..	20,586	4,96,939	4,055	25,049	1,778	20,343	26,419	5,42,331
22. Lower Coleroon do. ..	107,231	33,52,572	1,828	28,226	2,011	22,221	111,070	34,03,019
23. Shatiatope do. ..	29,402	7,27,555	2,067	23,195	1,157	18,715	32,626	7,69,465
24. Vriddhachalam do. ..	5,899	1,66,788	318	3,980	191	6,408	6,408	1,77,176
25. Mehmattur do. ..	3,700	1,27,316	90	1,244	225	2,304	4,015	1,30,864
26. Marudur do. ..	28,475	5,87,644	224	1,510	2,167	18,713	30,866	6,07,867
27. Tirukkóyilúr do. ..	22,120	4,76,974	1,942	21,640	1,189	32,995	25,251	5,31,609
28. Ganjám minor rivers system ..	54,499	20,19,620	1,645	12,449	6,208	28,176	62,352	20,60,245
29. Nandyar channel	4,606	1,18,154	1,199	11,230	1,186	39,839	6,991	1,69,223
Total ..	2,860,037	9,16,31,330	64,944	7,10,320	225,026	40,56,782	3,150,007	9,63,98,432