12.7.90/RH

18/90 RH

~~5036/90/RH~~

5107/90/RH

P. W.

~~Marine~~ (1899) Department.

G.O., No. 339

DATED 13 April 99

14/4/99

[Despatch Abstract.]

Irrigation Revenue.

Note by the Chief Engineer for Irrigation reviewing the statements, (forwarded by the Board of Revenue,) showing the —— derived from all irrigation works during the fasli year 1307 (1897–98), communicated to the officers concerned for information.

280/18

Jr 781 (Revenue)

Id 14/4

[M S. 1,000—28-10-98.]

BACK PAPERS.

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

FURTHER PAPERS.

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

~~H 2~~
~~Hon'ble Mr. Arundel C.S.I.~~
~~Hon'ble Mr. Winterbotham~~

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Review on statements showing the irrigation revenue derived from all irrigation works during the fasli year 1307 (1897-98)

UNDER date the

READ the following

Proceedings of the Board of Revenue (Settlement Land Records & Agriculture) No. 279 d/ 4th August/98.

Circle ——— No. 296 d/ 11th — do ———

Do. ——— No. 5320 Misc. d/ 5th September/98

Do. Print ——— No. 52 d/ 11th Feb: 1899.

Note by the Chief Engineer for Irrigation No 64. Id/ 16. 3-99

310.

The statement showing the irrigation revenue derived from all irrigation works during the fasli year 1307 (1897-98) forwarded by the Board of Revenue (Revenue Settlement, Land Records and Agriculture) and the Boards' review thereon which was received in this office on the 24th ultimo, are submitted to Government.

2. In the accompanying statement prepared in this office, the areas irrigated under, the revenue derived from, and the working expenses incurred

I think it wd. add to the interest of this note next year, & and save the trouble of a reference to the statements if as each work is mentioned the area & ~~revenue to yr~~ of the year under review and of the previous year were given.

In paras 7, 8 & 12 for instance total areas are given but not for other works: & not the total revenues.

I merely throw this out for ~~[illegible]~~ C. Engr's considern.

MA
23-3-99

I hope to introduce some improvements in the report next year by adding diagrams. The Hon. Member's suggestion will also be kept in view.

24.3.99 W.H.

on all irrigation works in the Presidency are compared with those of the previous year. The total area irrigated was 6·38 millions of acres, the irrigation revenue was Rs. 210·77 lakhs, and the working expenses amounted to Rs. 36·63 lakhs, against 6·08 millions of acres, Rs. 195·23 and Rs. 42·38 lakhs, respectively, in the previous year. Compared with the previous year there was a satisfactory increase in the area irrigated under, and the revenue derived from all classes of works. The decrease in working expenses is due to the fact that in the previous year extensive repairs were carried out in restoring works damaged by floods.

Class I. Major (Productive) works systems.

3. Godavari delta system—.

In all the three sections of the delta the area irri-gated both under first and second crops was more than in the previous year by 59,586 acs, though under first crop there was a decrease under

The Mandapet, Coruga and Kovur Manjavi Junction canals in the Eastern section, the Main and Bank canals in the Central section & the Main, Attili, and Junction canal, in the Western section, and Under second crop there was also a decrease under the Bank canal in the Eastern section, the Main and Bandamurlanka canals in the Central section & the Bank, Attili, Mudi and Junction canals in the Western Section. The increase of Rs 358,159 in the ~~area irrigated of 59,586 acres, and in the~~ revenue derived ~~of Rs. 358,159~~ during the year was due to the extension of irrigation, to the larger area of second crop raised, and to the fact that smaller remissions aggregating Rs. 100,358 were granted during the year against Rs. 265,120 in the previous year.

4. Kistna Delta System —
Except under the Ryves', Polrazcodu, and Bantumilli canals in the Eastern section, the areas irrigated under all the canals of this system under first crop were ~~more~~ better than in the previous year. The increase of 37,740 acres in the area irrigated under the system and of Rs 2,97,834 in the revenue derived therefrom occurred chiefly under "dry converted into wet & dry crops watered", "waste brought under irrigation and Zamindari," ~~and~~ ~~... was also due to smaller~~ The remissions ~~amounting to~~ ~~Rs 13494~~ granted during the year amounted to Rs 13,494 against Rs 1,42,745 in the preceding year.

5 Penner Anicut System — Under this system there was an increase in the area irrigated of 2,311 acres, and in the revenue derived, of Rs 9632, during

E. I. Form No. 1 (a)—500—2-4-98.

during the year, due to early freshes in the river which resulted in extensive sowings.

6. Sangam Anicut System — Compared with the previous year there was a decrease in the area irrigated of 3,509 acres, and in the revenue derived of Rs 9,991. The decrease occurred chiefly under "second crop" and was ~~due to~~ the result of the unfavourable character of the north-east monsoon.

7. Kurnool-Cuddapah canal: The area irrigated under this canal during the year was 47,164 acres against 87,226 acres in the preceding year, and the net demand was Rs 32,954 less than in the previous year. The decrease was due to canal water not having been used for dry crops so extensively as in the previous year owing to the favourable character of the season.

The unrealized demand at the beginning of the year was Rs. 78,652; at the close of the year Rs. 75,975 remained uncollected.

8. Baruv tank system—. The areas irrigated both under first and second crops amounted to 4,421 acres against 4,440 acres in the previous year. There was an increase of Rs. 89 in the revenue derived.

9. Cauvery Delta system— The areas irrigated under first and second crops were 4,384 and 8,301 acres, respectively, more than in the preceding year. There was an improvement in the revenue derived of Rs. 51,090.

10. Srivaikuntam Anicut System— Compared with the

When the project was brought into operation.

previous year there during the year was an increase in the area irrigated of 1521 acres and in the revenue derived of Rs 5,624.

11. Periyar project.— The areas irrigated under first and second crops were 69,394 and 19,749 acres, or 18,071 and 7,321 acres, respectively, more than in the previous year. This result exceeds the forecast of 1894, but the revenue credited to the project, ~~viz~~, Rs. 112191, is less than interest in the viz that forecast by Rs. 144,237. The Board of Revenue believes that this decrease is due to the revenue reported as due to the project having been incorrectly worked out and has issued instructions for the preparation of correct accounts both for the years under

review and for the preceding years and considers ~~that~~ until correct figures have been made available. It to be useless to review in detail the results attained under the project.

Major (Protective) work.

12. Rushikulya project — The area irrigated under this project was extended from 63,327 acres in 1896-97 to 67,318 acres in 1897-98, the increase in revenue resulting from the extension being Rs 5,546.

Class II works — Minor works Systems for which Capital and Revenue accounts are kept.

13. There was an increase of 12,389 acres in the total area irrigated under these systems, and of Rs 42,286 in the revenue derived therefrom. The increase occurred under all the systems except the Chembarambakkam

35-P

tank, Thadapalli channel, Chayaru, Shatiatope and Vriddhachalam anicut systems. The bulk of the decrease in revenue, viz., Rs 18,988 occurring under ~~in~~ the Chayaru anicut system in which remissions, amounting to Rs 11,792, were granted during the year against Rs 211 in the previous year. The cause of this large remission has ~~was~~ not been explained by the Board of Revenue. The Munnyeru, Dondapad, and Sagileru projects were brought into operation during the year, but no revenue was credited to the projects for the areas irrigated under them, ~~and~~ The Board of Revenue states that no revenue accounts were called for from Collectors for these projects. ~~as the completion~~ owing to their completion ~~of the projects was~~, not having been reported to it. In G.O. No. 191 I., d/ 23rd February/99

necessary corrections in the Revenue accounts have been ordered to be made in due course.

14. Class III Minor works systems for which a continuous record of expenditure is kept.— Under this class there was an increase of 12,959 acres in the total area irrigated, and of Rs 50,392 in the total revenue derived. The bulk of the increase in revenue, viz, Rs 48,252, occurred in the Vizagapatam district where a remission of only Rs 811 was granted during the year against Rs 45,687 in the previous year.

15. Class IV – Minor works – Public works, and Revenue Departments.— Under this class there was an increase of 165,664 acres in the area irrigated, and of Rs 631,845 in the revenue derived.

36

The increase occurred in all the districts except Nellore, Chingleput, South Arcot, Tanjore, Madura and Tinnevelly. The decreases in these districts are detailed below:—

	Acres	Revenue Rs
Nellore	36,344	1,70,197
Chingleput	83,821	233,665
South Arcot	6460	47,349
Madura	9234	23,355
Tinnevelly	12,845	50,906

The cause of the decreases has not been explained by the Board of Revenue. The remissions granted during the year aggregated Rs 906,192 or Rs 421,388 less than in the previous year.

file to Issue & return with note
WH 5.5.99

ICES 30/3/99

29.3.99 420

A.G.H. 20.3.99

Order thereon No: 339 I. of 13.4.99.

Communicated to the Officers concerned for information.

14/3/99 WH 16.3.99

ICES 14/3/99

To,
The Chief Engr. for Irrigation
do T.R.S.
" Supg: Engineers.
" do on Special duty Cauvery Completion estimates.
" Examiner P.W. Accounts.
" Revenue Department.

13.3.99

necessary

3392

1899.

Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

24 FEB. 1899

Recd. 72 M } 1899.
Regd. 24 Febr 1 }

Enclosures one

Spare copies –

Printed February th.

Proceedings, No. 52, 11th February 1899.

FEBRUARY.

F. E. I.

24/2

K.C.S.
24/2/99

Irrigation Accounts of fasli 1307 (1897–98).—Submitting to Government, Public Works Department, Board's review of the —.

1425
3321/58

~~2 – Standing~~

PROCEEDINGS OF THE BOARD OF REVENUE

(REVENUE SETTLEMENT, LAND RECORDS AND AGRICULTURE).

READ—Proceedings of the Board of Revenue (R.S., L.R. and Agri.), Mis. No. 6150, dated 17th October 1898.

ABSTRACT.—Forwarding to the Chief Engineer for Irrigation the irrigation accounts relating to classes I to IV works for fasli 1307; and stating that the usual review of the accounts will be submitted to Government, Public Works Department, Irrigation Branch, after receipt of certain information from the Collector of Madura.

READ—Proceedings of the Board of Revenue (R.S., L.R. and Agri.), Mis. No. 6552, dated 10th November 1898.

ABSTRACT.—Forwarding to the Chief Engineer for Irrigation revised statements relating to the irrigation accounts for fasli 1307; and requesting the Collector of Kurnool to explain certain discrepancies.

RESOLUTION—No. 52, dated 11th February 1899.

The Board submits to Government its review of the results of irrigation under the different classes of works I to IV during fasli 1307 (1897–98). The delay is due to late receipt of the accounts relating to the Periyár project.

2. The usual statements relating to the irrigation accounts were forwarded to the Chief Engineer for Irrigation in advance in B.P., Mis. No. 6150, dated 17th October 1898 and Mis. No. 6552, dated 10th November 1898. These statements have been revised with reference to certain further information received from the Collector of Kurnool and the revised statements are appended to these proceedings.

3. The following comparative statement shows the area occupied, the area actually irrigated or charged as irrigated, and the revenue derived under all classes of works during 1897–98:—

Items.	Area occupied.		Area actually irrigated or charged as irrigated.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.
	First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9
	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Class I works—								
1896–97 ..	2,313,704	280,146	2,242,779	276,430	1,33,24,215	1,05,24,932	4,75,753	1,00,49,179
1897–98 ..	2,361,452	322,674	2,340,694	318,213	1,39,33,775	1,10,35,095	1,72,657	1,08,62,438
Difference ..	+ 47,748	+ 42,528	+ 97,915	+ 41,783	+ 6,09,560	+ 5,10,163	— 3,03,096	+ 8,13,259
Class II works—								
1896–97 ..	436,995	100,542	426,707	96,717	24,80,673	17,88,307	60,798	17,27,509
1897–98 ..	442,768	102,002	435,946	99,867	25,20,360	18,16,967	47,172	17,69,795
Difference ..	+ 5,773	+ 1,460	+ 9,239	+ 3,150	+ 39,687	+ 28,660	— 13,626	+ 42,286
Class III works—								
1896–97 ..	101,589	74,054	94,561	69,451	8,36,244	7,05,297	53,239	6,52,058
1897–98 ..	102,284	75,396	101,580	75,391	8,41,762	7,10,042	7,592	7,02,450
Difference ..	+ 695	+ 1,342	+ 7,019	+ 5,940	+ 5,518	+ 4,745	— 45,647	+ 50,392

Items.	Area occupied.		Area actually irrigated or charged as irrigated.		Total land and irrigation revenue	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.
	First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9
	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Class IV works—								
1896–97 ..	2,407,326	684,380	2,134,971	653,403	1,10,18,695	82,87,610	13,27,530	69,60,080
1897–98 ..	2,431,946	735,624	2,228,612	725,426	1,12,58,731	84,98,117	9,06,192	75,91,925
Difference ..	+ 24,620	+ 51,244	+ 93,641	+ 72,023	+ 2,40,036	+ 2,10,507	— 4,21,338	+ 6,31,845
Total—								
1896–97 ..	5,259,614	1,139,122	4,899,018	1,096,001	2,76,59,827	2,13,06,146	19,17,320	1,93,88,826
1897–98 ..	5,338,450	1,235,696	5,106,832	1,218,897	2,85,54,628	2,20,60,221	11,33,613	2,09,26,608
Difference ..	+ 78,836	+ 96,574	+ 207,814	+ 122,896	+ 8,94,801	+ 7,54,075	— 7,83,707	+ 15,37,782

4. Compared with 1896–97, the area occupied and the area actually irrigated show an increase under all classes of works; the increase in the former case aggregating 78,836 acres under first crop and 96,574 acres under second crop; and that in the latter case amounting to 207,814 acres under first crop and 122,896 acres under second crop. The total revenue on irrigated lands amounted to Rs. 285·55 lakhs, of which the share due to irrigation was Rs. 220·60 lakhs or 77 per cent. Deducting Rs. 11·33 lakhs remitted during the year against Rs. 19·17 lakhs in 1896–97, the net revenue to be credited to the works amounted to Rs. 209·27 lakhs against Rs. 193·89 lakhs in the previous year.

	RS.
* Gódávari anikat	3,58,159
Kistna ,, ...	2,97,834
Cauvery ,, ...	51,090
Pennér ,, ...	9,632
Srivaikuntam ,, ...	5,624
Barur tank project	89
Rushikulya ,, ...	5,546
Periyár ,, ...	95,276
Total ..	8,23,250

Increase.

	RS.	Percentage.
† Pálár anikat	16,118	24·8
Pelandorai anikat	1,272	1·9
Madras water supply and irrigation extension project	1,437	2·2
Cumbum tank	2,984	4·6
Arakankottai channel	493	0·7
Kalingaroyan ,, ...	373	0·6
Valluru anikat	103	0·2
Poiney ,, ...	13,231	20·3
Lower Coleroon anikat	14,244	21·9
Mehmattur ,, ...	1,214	1·9
Marudur ,, ...	866	1·3
Tirukkóyilúr ,, ...	2,259	3·5
Ganjám minor rivers system	5,958	9·1
Nandyar channel	4,543	7·0
Total ..	65,095	100·0

Decrease.

	RS.
‡ Chembrambakam tank	2,255
Tadipalli channel	1,215
Cheyaru anikat	18,988
Shatiatope anikat	123
Vriddachalam	228
Total ..	22,809

	RS.
§ Nellore	1,70,197
Chingleput	2,33,665
South Arcot	47,349
Tanjore	2,118
Madura	23,365
Tinnevelly	50,906
Total ..	5,27,590

5. As compared with the previous year there was an increase of Rs. 8,13,259 in the revenue due to irrigation under class I works, which is the net result of a gross increase of Rs. 8,23,250 * under the systems noted in the margin, and a decrease of Rs. 9,991 under the Sangam anikat. The variations have been explained in paragraph 3 of B.P., No. 279, dated 4th August 1898. The increase of Rs. 42,286 in the revenue due to irrigation under class II works is the net result of a gross increase of Rs. 65,095 † under the marginally-noted systems, and of a gross decrease of Rs. 22,809 ‡ under the other works. The bulk of the decrease occurred under the Cheyaru anikat. Under class III works there was an increase of Rs. 50,392 being the net result of an increase of Rs. 53,101 in Vizagapatam, South Arcot, Tinnevelly, Coimbatore and Salem districts and a decrease of Rs. 2,709 in the Chingleput district. Under class IV works also there was an increase in all the districts except Nellore, Chingleput, South Arcot, Tanjore, Madura and Tinnevelly. The decrease in these districts amounted to Rs. 5,27,590 § as detailed in the margin.

6. The growth of irrigation revenue under different classes of works during the last six years is exhibited in the subjoined statement. As observed in the reviews of previous years the improvement in the revenue under class I works is steady and satisfactory:—

Fasli.	Class I.			Class II.			Class III.		
	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.
1	2	3	4	5	6	7	8	9	10
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
1302 (1892–93) ..	78,82,951	1,58,673	77,24,278	16,90,116	74,799	16,15,317	6,92,770	25,028	6,67,742
1303 (1893–94) ..	87,58,171	1,00,215	86,57,956	17,39,844	17,355	17,22,489	7,04,079	5,413	6,98,666
1304 (1894–95) ..	91,29,040	94,399	90,34,641	17,59,201	37,057	17,22,144	7,02,923	17,497	6,85,426
1305 (1895–96) ..	98,96,513	3,64,401	95,32,112	17,89,990	32,260	17,57,730	7,04,852	4,914	6,99,938
1306 (1896–97) ..	1,05,24,932	4,75,753	1,00,49,179	17,88,307	60,798	17,27,509	7,05,297	53,239	6,52,058
1307 (1897–98) ..	1,10,35,095	1,72,657	1,08,62,438	18,16,967	47,172	17,69,795	7,10,042	7,592	7,02,450

Fasli.	Class IV.			Total.		
	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.	Share due to irrigation.	Deduct remissions.	Net revenue due to irrigation.
	11	12	13	14	15	16
	RS.	RS.	RS.	RS.	RS.	RS.
1302 (1892–93)	83,68,903	13,16,949	70,51,954	1,86,34,740	15,75,449	1,70,59,291
1303 (1893–94)	86,27,063	3,66,913	82,60,150	1,98,29,157	4,89,896	1,93,39,261
1304 (1894–95)	85,32,234	8,96,897	76,36,337	2,01,24,398	10,45,850	1,90,78,548
1305 (1895–96)	88,14,362	3,49,885	84,64,477	2,12,05,717	7,51,460	2,04,54,257
1306 (1896–97)	82,87,610	13,27,530	69,60,080	2,13,06,146	19,17,320	1,93,88,826
1307 (1897–98)	84,98,117	9,06,192	75,91,925	2,20,60,221	11,33,618	2,09,26,608

7. The following statement compares the area irrigated under the Kurnool-Cuddapah canal and the revenue derived therefrom during the year under review with the corresponding figures for the preceding year:—

Districts.		Area irrigated.				Demand.	Remission.	Net demand.
		First crop.		Second crop.				
		Wet.	Dry.	Wet.	Dry.			
		ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.
Kurnool ..	1306.	13,470	48,038	1,316	2,794	1,12,981	105	1,12,876
	1307.	11,573	11,540	2,098	1,298	78,035	219	77,816
Difference ..		— 1,897	— 36,498	+ 782	— 1,496	— 34,946	+ 114	— 35,060
Cuddapah ..	1306.	10,311	7,258	2,069	1,970	63,112	1,247	61,865
	1307.	10,525	5,644	2,565	1,921	65,094	1,123	63,971
Difference ..		+ 214	— 1,614	+ 496	— 49	+ 1,982	— 124	+ 2,106
Total ..	1306.	23,781	55,296	3,385	4,764	1,76,093	1,352	1,74,741
	1307.	22,098	17,184	4,663	3,219	1,43,129	1,342	1,41,787
Difference ..		— 1,683	— 38,112	+ 1,278	— 1,545	— 32,964	— 10	— 32,954

The total area irrigated under the canal, including the extent under dry crops was 47,164 acres against 87,226 acres in the previous year, being a decrease of 40,062 acres. The bulk of this decrease (39,109 acres) occurred in the Kurnool district and was due to the fact that the irrigation in fasli 1306 was abnormal owing to failure of rain in that year which induced ryots to avail themselves very largely of canal irrigation for dry crops.

8. With reference to the remarks of the Government of India in the concluding sentence of paragraph 4 of its review of the administration report of irrigation works for the year 1896–97 (Review No. 241 I., dated 8th July 1898, printed in G.O., No. 567 I., dated 22nd July 1898), the Board begs to state that the areas reported as irrigated by Periyár water during the first two years of the working of the project, compare very favourably with the forecast thereof framed in 1894, as will be seen from the subjoined statement:—

—	1896–97.		1897–98.	
	First crop.	Second crop.	First crop.	Second crop.
	ACS.	ACS.	ACS.	ACS.
Estimate of 1894	11,468	7,794	22,918	15,585
Actuals as reported by Tahsildars.	51,323	12,428	69,394	19,749

As regards the revenue to be credited to the project however the figures reported are much below those entered in the forecast of 1894. But the Board has reason to believe that the reported figures have been incorrectly worked out and that, when correctly calculated, the amount due to the project will be found to exceed the estimates of 1894. The increase of revenue under usual wet caused by the raising of the class of irrigation after the supply of the Periyár water has, for instance, been credited to old irrigation instead of to the project, and the amount involved in this wrong credit is for 1897–98 nearly a lakh of rupees. A scrutiny of irrigation accounts, recently made in the Board's office, has disclosed other errors also, and the revised statements of revenue due to the project in 1896–97, received from the Collector with reference to the discrepancies pointed out by the Chief Engineer in his letter No. 173 M., dated 13th May 1898, having also been found to be erroneous in certain respects, special instructions have been issued and steps taken to ensure preparation of correct accounts for both 1896–97 and 1897–98. Every endeavour will be made to get correct figures compiled as early as possible. The Board considers that until correct figures have been made available it is useless to review in detail the results attained under the Periyár project.

	1896–97.	1897–98.
	RS.	RS.
Forecast of 1894 ...	72,179	1,44,237
Actuals reported ...	35,551	1,12,191

9. It may be observed that a great deal yet remains to be done by the Public Works Department in the construction of distributary channels, and in the regulation of water-supply at the Periyár head sluice. It is reported that to enable the ryots to raise a short crop during the south-west monsoon, water should be made available by about the 15th May. The results achieved so far in inducing the ryots to raise a second crop are encouraging, and it is expected that ryots will take largely to second crop cultivation when, by providing regulating shutters to the head sluice, it is found possible to arrange for supply in the channels being available early in May. If, as observed in B.P., No. 25, dated 24th January 1899, improved means of communication can also be provided, it is expected that the area under irrigation will be extended, and the area now watered will be more profitably cultivated.

(True Copy and Extract.)

R. V. Srinivasan
Secretary.

To the Joint Secretary to Government, Public Works Department,
Irrigation Branch, with a copy of
B.P., No. 25, dated 24th January 1899.

Copy to the Chief Engineer for Irrigation.
" to all Collectors, except those of Madras,
the Nilgiris, Malabar and South Canara.

APPENDIX I.

STATEMENT showing the total area occupied, the area actually irrigated or charged as irrigated and the revenue derived for fasli 1307 (1897-98) in comparison with the previous year.

—	—	Area occupied.		Area actually irrigated or charged as irrigated.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10
Class I—Works.		ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Gódávari delta	1896-97	639,306	139,242	602,298	137,551	37,61,124	29,44,528	2,65,120	26,79,408
	1897-98	644,468	167,154	635,954	163,481	39,68,373	31,37,925	1,00,358	30,37,567
	Difference ..	+ 5,162	+ 27,912	+ 33,656	+ 25,930	+ 2,07,249	+ 1,93,397	— 1,64,762	+ 3,58,159
Kistna delta	1896-97	504,857	659	482,017	616	27,14,309	22,02,120	1,42,745	20,59,375
	1897-98	522,919	455	519,922	451	29,40,386	23,70,703	13,494	23,57,209
	Difference ..	+ 18,062	— 204	+ 37,905	— 165	+ 2,26,077	+ 1,68,583	— 129,251	+ 2,97,834
Cauvery anikat	1896-97	883,159	95,102	882,536	94,587	53,99,757	41,90,400	12,707	41,77,693
	1897-98	888,191	102,954	886,920	102,888	54,61,108	42,42,105	13,322	42,28,783
	Difference ..	+ 5,032	+ 7,852	+ 4,384	+ 8,301	+ 61,351	+ 51,705	+ 615	+ 51,090
Pennér anikat	1896-97	67,105	3,246	64,907	3,246	3,33,198	2,63,318	12,653	2,50,665
	1897-98	68,098	3,954	66,510	3,954	3,38,082	2,68,540	8,243	2,60,297
	Difference ..	+ 993	+ 708	+ 1,603	+ 708	+ 4,884	+ 5,222	— 4,410	+ 9,632
Sangam anikat	1896-97	74,863	7,110	72,676	7,110	4,01,951	3,23,729	11,924	3,11,805
	1897-98	74,365	4,512	71,765	4,512	3,93,575	3,15,383	13,569	3,01,814
	Difference ..	— 498	— 2,598	— 911	— 2,598	— 8,376	— 8,346	+ 1,645	— 9,991
Srivaikuntam anikat. ..	1896-97	23,094	19,694	21,512	18,635	2.23,090	1,97,244	13,130	1,84,114
	1897-98	22,785	20,699	21,580	20,088	2,26,055	2,00,391	10,653	1,89,738
	Difference ..	— 309	+ 1,005	+ 68	+ 1,453	+ 2,965	+ 3,147	— 2,477	+ 5,624
Barur tank project	1896-97	2,609	1,831	2,609	1,831	13,935	11,547	14	11,533
	1897-98	2,664	1,757	2,664	1,757	14,056	11,631	9	11,622
	Difference ..	+ 55	— 74	+ 55	— 74	+ 121	+ 84	— 5	+ 89
Rushikulya project	1896-97	66,267	426	62,901	426	1,60,940	1,18,641	10,535	1,08,106
	1897-98	67,996	1,333	65,985	1,333	1,68,385	1,18,471	4,819	1,13,652
	Difference ..	+ 1,729	+ 907	+ 3,084	+ 907	+ 7,445	— 170	— 5,716	+ 5,546
Periyár project	1896-97	52,444	12,836	51,323	12,428	3,15,911	2,73,405	6,925	2,66,480
	1897-98	69,966	19,856	69,394	19,749	4,23,755	3,69,946	8,190	3,61,756
	Difference ..	+ 17,522	+ 7,020	+ 18,071	+ 7,321	+ 1,07,844	+ 96,541	+ 1,265	+ 95,276
Total of Class I—Works.	1896-97	2,313,704	280,146	2,242,779	276,430	1,33,24,215	1,05,24,932	4,75,753	1.00,49,179
	1897-98	2,361,452	322,674	2,340,694	318,213	1,39,33,775	1,10,35,095	1,72,657	1,08,62,438
	Difference ..	+ 47,748	+ 42,528	+ 97,915	+ 41,783	+ 6,09,560	+ 5,10,163	— 303,096	+ 8,13,259
Class II—Works.									
Pálár anikat	1896-97	74,496	25,072	70,336	23,391	3,42,604	2,60,154	22,250	2,37,904
	1897-98	76,231	23,274	74,684	23,136	3,47,217	2,62,743	8,721	2,54,022
	Difference ..	+ 1,735	— 1,798	+ 4,348	— 255	+ 4,613	+ 2,589	— 13,529	+ 16,118
Pelandorai anikat	1896-97	9,233	168	9,223	168	49,689	34,296	94	34,202
	1897-98	9,952	353	9,860	352	53,713	37,077	1,603	35,474
	Difference ..	+ 719	+ 185	+ 637	+ 184	+ 4,024	+ 2,781	+ 1,509	+ 1,272
Chembrambákam tank ..	1896-97	12,042	2,220	13,037	2,200	64,279	46,248	373	45,875
	1897-98	13,061	4,116	11,705	3,986	68,862	50,821	7,201	43,620
	Difference ..	+ 19	+ 1,896	— 1,332	+ 1,786	+ 4,583	+ 4,573	+ 6,828	— 2,255
Madras water-supply and irrigation extension project.	1896-97	7,402	2,341	7,402	2,341	28,374	21,159	361	20,798
	1897-98	7,541	2,846	7,541	2,846	30,065	22,578	343	22,235
	Difference ..	+ 139	+ 505	+ 139	+ 505	+ 1,691	+ 1,419	— 18	+ 1,437

APPENDIX I—*cont.*

Statement showing the total area occupied, the area actually irrigated or charged as irrigated, &c.—*cont.*

—	—	Area occupied.		Area actually irrigated or charged as irrigated.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10
Class II—Works—cont.		ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Cumbum tank	1896-97	5,534	4,001	5,533	2,586	45,297	39,185	5,993	33,192
	1897-98	5,736	4,183	5,736	2,456	46,704	40,407	4,231	36,176
	Difference ..	+ 202	+ 182	+ 203	— 130	+ 1,407	+ 1,222	— 1,762	+ 2,984
Tadepalli channel	1896-97	14,686	401	14,530	401	1,26,362	1,04,897	726	1,04,171
	1897-98	14,298	558	14,220	557	1,24,370	1,03,359	403	1,02,956
	Difference ..	— 388	+ 157	— 310	+ 156	— 1,992	— 1,538	— 323	— 1,215
Arakankottai channel. ..	1896-97	4,118	43	4,083	43	33,250	27,619	210	27,409
	1897-98	4,128	29	4,105	29	33,638	28,021	119	27,902
	Difference ..	+ 10	— 14	+ 22	— 14	+ 388	+ 402	— 91	+ 493
Kalingaroyen channel. ..	1896-97	11,272	10,244	11,272	10,244	1,18,927	1,05,133	130	1,05,003
	1897-98	11,319	10,197	11,319	10,197	1,19,313	1,05,433	57	1,05,376
	Difference ..	+ 47	— 47	+ 47	— 47	+ 386	+ 300	— 73	+ 373
Valluru anikat	1896-97	5,149	94	5,149	94	13,465	8,632	349	8,283
	1897-98	5,173	247	5,059	247	14,258	9,108	722	8,386
	Difference ..	+ 24	+ 153	— 90	+ 153	+ 793	+ 476	+ 373	+ 103
Cheyáru anikat	1896-97	22,104	14,898	22,104	14,898	1,22,368	91,200	211	90,989
	1897-98	21,396	12,824	19,703	12,802	1,14,079	83,793	11,792	72,001
	Difference ..	— 708	— 2,074	— 2,401	— 2,096	— 8,289	— 7,407	+ 11,581	— 18,988
Poiney anikat	1896-97	21,695	4,281	19,908	3,805	1,10,847	82,442	8,337	74,105
	1897-98	22,452	5,795	22,416	5,791	1,17,251	88,008	672	87,336
	Difference ..	+ 757	+ 1,514	+ 2,513	+ 1,986	+ 6,404	+ 5,566	— 7,665	+ 13,231
Lower Coleroon anikat ..	1896-97	107,074	1,900	106,994	1,892	6,23,216	3,83,798	734	3,83,064
	1897-98	108,988	3,985	108,967	3,971	6,41,961	3,97,556	248	3,97,308
	Difference ..	+ 1,914	+ 2,085	+ 1,973	+ 2,079	+ 18,745	+ 13,758	— 486	+ 14,244
Shatyatope anikat	1896-97	29,955	3,391	29,846	3,350	1,67,116	1,11,985	244	1,11,741
	1897-98	30,289	4,758	29,022	4,690	1,72,448	1,16,814	5,196	1,11,618
	Difference ..	+ 334	+ 1,367	— 824	+ 1,340	+ 5,332	+ 4,829	+ 4,952	— 123
Vriddhachalam anikat. ..	1896-97	6,157	225	6,157	225	37,426	24,424	8	24,416
	1897-98	6,118	405	6,117	405	36,770	24,210	22	24,188
	Difference ..	— 39	+ 180	— 40	+ 180	— 656	— 214	+ 14	— 228
Mehmattur anikat	1896-97	3,490	59	3,490	59	23,241	15,141	..	15,141
	1897-98	3,915	105	3,915	105	25,394	16,355	..	16,355
	Difference ..	+ 425	+ 46	+ 425	+ 46	+ 2,153	+ 1,214	..	+ 1,214
Marudur anikat	1896-97	17,545	16,471	17,467	16,441	2,15,482	1,88,632	2,520	1,86 112
	1897-98	17,564	16,629	17,506	16,629	2,16,067	1,89,195	2,217	1,86,978
	Difference ..	+ 19	+ 158	+ 39	+ 188	+ 585	+ 563	— 303	+ 866
Tirukkóyilúr anikat.. ..	1896-97	23,003	2,384	22,893	2,358	1,30,662	92,276	759	91,517
	1897-98	23,229	3,122	22,911	3,111	1,34,383	95,642	1,866	93,776
	Difference ..	+ 226	+ 738	+ 18	+ 753	+ 3,721	+ 3,366	+ 1,107	+ 2,259
Ganjám minor rivers system.	1896-97	56,756	10,770	53,234	10,767	2,05,122	1,34,229	16,203	1,18,026
	1897-98	56,450	6,270	56,271	6,270	1,96,678	1,25,478	1,494	1,23,984
	Difference ..	— 306	— 4,500	+ 3,037	— 4,497	— 8,444	— 8,751	— 14,709	+ 5,958

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APPENDIX I—*cont.*

Statement showing the total area occupied, the area actually irrigated or charged as irrigated, &c.—*cont.*

—	—	Area occupied.		Area actually irrigated or charged as irrigated.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10
Class II—Works—cont.		ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Nandyar channel	1896-97	4,284	1,579	4,054	1,454	22,946	16,857	1,296	15,561
	1897-98	4,928	2,306	4,889	2,287	27,189	20,369	265	20,104
	Difference ..	+ 644	+ 727	+ 835	+ 833	+ 4,243	+ 3,512	— 1,031	+ 4,543
Total of Class II—Works.	1896-97	436,995	100,542	426,707	96,717	24,80,673	17,88,307	60,798	17,27,509
	1897-98	442,768	102,002	435,946	99,867	25,20,360	18,16,967	47,172	17,69,795
	Difference ..	+ 5,773	+ 1,460	+ 9,239	+ 3,150	+ 39,687	+ 28,660	— 13,626	+ 42,286
Class III—Works.									
Vizagapatam	1896-97	19,302	14,574	12,468	9,083	74,447	53,690	45,687	8,003
	1897-98	19,514	15,142	19,415	15,142	78,612	57,966	811	56,255
	Difference ..	+ 212	+ 568	+ 6,947	+ 5,156	+ 4,165	+ 3,376	— 44,876	+ 48,252
Chingleput	1896-97	5,932	799	5,952	799	21,126	14,599	293	14,306
	1897-98	5,951	917	5,401	917	20,351	13,775	2,178	11,597
	Difference ..	+ 19	+ 118	— 531	+ 118	— 775	— 824	+ 1,885	— 2,709
South Arcot	1896-97	12,606	3,204	12,585	3,189	88,018	63,644	1,994	61,650
	1897-98	12,891	3,276	12,842	3,273	88,832	63,619	588	63,0
	Difference ..	+ 285	+ 72	+ 257	+ 84	— 186	— 25	— 1,406	+ 1,38
Tinnevelly	1896-97	36,943	34,178	36,943	34,178	4,77,041	4,25,060	3,549	4,21,511
	1897-98	37,099	34,459	37,096	34,459	4,77,496	4,25,490	3,502	4,21,988
	Difference ..	+ 156	+ 281	+ 153	+ 281	+ 455	+ 430	— 47	+ 477
Coimbatore	1896-97	26,379	20,872	26,379	20,872	1,72,818	1,46,870	517	1,46,353
	1897-98	26,396	21,175	26,393	21,173	1,74,653	1,48,636	513	1,48,123
	Difference ..	+ 17	+ 303	+ 14	+ 301	+ 1,835	+ 1,766	— 4	+ 1,770
Salem	1896-97	427	427	254	427	1,794	1,434	1,199	235
	1897-98	433	427	433	427	1,818	1,456	..	1,456
	Difference ..	+ 6	..	+ 179	..	+ 24	+ 22	— 1,199	+ 1,221
Total of Class III—Works.	1896-97	101,589	74,054	94,561	69,451	8,36,244	7,05,297	53,239	6,52,058
	1897-98	102,284	75,396	101,580	75,391	8,41,762	7,10,042	7,592	7,02,450
	Difference ..	+ 695	+ 1,342	+ 7,019	+ 5,940	+ 5,518	+ 4,745	— 45,647	+ 50,392
Class IV—Works.									
Ganjám	1896-97	122,888	1,271	76,178	1,249	3,12,393	1,61,902	1,50,951	10,951
	1897-98	115,346	5,935	113,472	5,931	3,01,461	1,59,645	7,725	1,51,920
	Difference ..	— 7,542	+ 4,664	+ 37,294	+ 4,682	— 10,932	— 2,257	— 1,43,226	+ 1,40,969
Vizagapatam	1896-97	80,720	72,312	52,372	55,816	3,41,800	2,42,232	1,27,073	1,15,159
	1897-98	84,222	74,825	83,765	74,766	3,61,385	2,57,185	2,394	2,54,791
	Difference ..	+ 3,502	+ 2,513	+ 31,393	+ 18,950	+ 19,585	+ 14,953	— 1,24,679	+ 1,39,632
Gódávar	1896-97	105,350	1,687	62,213	1,554	2,80,316	1,83,305	1,34,900	48,405
	1897-98	105,293	5,855	102,028	5,832	2,93,483	1,95,678	7,254	1,88,424
	Difference ..	— 57	+ 4,168	+ 39,815	+ 4,278	+ 13,167	+ 12,373	— 1,27,646	+ 1,40,019
Kistna	1896-97	44,859	224	32,858	218	2,05,706	1,43,714	67,027	76,687
	1897-98	45,783	543	41,360	541	2,09,973	1,48,324	24,487	1,23,837
	Difference ..	+ 924	+ 319	+ 8,502	+ 323	+ 4,267	+ 4,610	— 42,540	+ 47,150
Nellore	1896-97	133,536	12,769	126,040	12,767	6,16,226	4,84,664	33,472	4,51,192
	1897-98	131,284	11,748	90,844	11,619	6,04,805	4,73,851	1,92,856	2,80,995
	Difference ..	— 2,552	— 1,021	— 35,196	— 1,148	— 11,421	— 10,813	+ 1,59,384	— 1,70,197

APPENDIX I—*cont.*

Statement showing the total area occupied, the area actually irrigated or charged as irrigated, &c.—*cont.*

—	—	Area occupied.		Area actually irrigated or charged as irrigated		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10
Class IV—Works—cont.		ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Cuddapah	1896-97	208,506	62,526	164,914	60,416	9,65,455	7,89,476	2,70,362	5,19,114
	1897-98	212,761	69,069	196,326	68,594	10,05,125	8,23,380	1,00,689	7,22,691
	Difference ..	+ 4,255	+ 6,543	+ 31,412	+ 8,178	+ 39,670	+ 33,904	— 1,69,673	+ 2,03,577
Anantapur	1896-97	122,138	24,345	79,152	23,942	4,89,190	4,17,992	2,10,330	2,07,662
	1897-98	134,566	52,586	129,049	52,579	5,99,682	5,11,131	26,331	4,84,800
	Difference ..	+ 12,428	+ 28,241	+ 49,897	+ 28,637	+ 1,10,492	+ 93,139	— 1,83,999	+ 2,77,138
Bellary	1896-97	53,264	12,587	43,297	12,357	3,07,534	2,61,847	58,189	2,03,658
	1897-98	55,862	18,157	55,044	18,150	3,30,893	2,84,042	4,523	2,79,519
	Difference ..	+ 2,598	+ 5,570	+ 11,747	+ 5,793	+ 23,359	+ 22,195	— 53,666	+ 75,861
Kurnool	1896-97	46,305	5,760	36,560	5,715	2,04,400	1,56,728	74,302	82,426
	1897-98	53,078	9,603	51,229	9,573	2,42,031	1,90,314	17,408	1,72,906
	Difference ..	+ 6,773	+ 3,843	+ 14,669	+ 3,858	+ 37,631	+ 33,586	— 56,894	+ 90,480
Chingleput	1896-97	354,272	53,943	351,443	53,780	12,16,840	8,58,467	19,079	8,39,388
	1897-98	354,466	38,595	284,709	36,693	11,89,280	8,29,218	2,23,495	6,05,723
	Difference ..	+ 194	— 15,348	— 66,734	— 17,087	— 27,560	— 29,249	+ 2,04,416	— 2,33,665
North Arcot	1896-97	221,053	96,093	209,145	94,779	11,56,831	8,53,659	85,824	7,67,835
	1897-98	221,939	92,196	206,726	90,740	11,49,228	8,45,895	77,323	7,68,572
	Difference ..	+ 886	— 3,897	— 2,419	— 4,039	— 7,603	— 7,764	— 8,501	+ 737
South Arcot	1896-97	285,591	47,930	283,650	47,209	15,08,484	10,45,252	11,059	10,34,193
	1897-98	285,938	55,656	269,414	54,985	15,31,666	10,65,235	78,391	9,86,844
	Difference ..	+ 347	+ 7,726	— 14,236	+ 7,776	+ 23,182	+ 19,983	+ 67,332	— 47,349
Tanjore	1896-97	54,643	3,691	54,642	3,691	1,76,007	1,28,804	1,808	1,26,996
	1897-98	55,164	4,401	54,004	4,396	1,78,518	1,29,754	4,876	1,24,878
	Difference ..	+ 521	+ 710	— 638	+ 705	+ 2,511	+ 950	+ 3,068	— 2,118
Trichinopoly	1896-97	122,168	42,476	121,972	42,463	7,52,419	5,49,686	3,980	5,45,706
	1897-98	129,395	48,193	125,212	48,090	7,79,927	5,73,127	22,223	5,50,904
	Difference ..	+ 7,227	+ 5,717	+ 3,240	+ 5,627	+ 27,508	+ 23,441	+ 18,243	+ 5,198
Madura	1896-97	141,230	38,683	139,586	36,345	6,22,856	5,05,580	15,287	4,90,293
	1897-98	133,596	42,592	124,894	41,803	6,16,103	4,99,888	32,950	4,66,938
	Difference ..	— 7,634	+ 3,909	— 14,692	+ 5,458	— 13,753	— 5,692	+ 17,663	— 23,355
Tinnevelly	1896-97	148,679	84,601	146,534	84,026	9,86,839	8,51,673	22,491	8,29,182
	1897-98	147,909	81,439	138,490	79,225	9,74,904	8,41,313	63,037	7,78,276
	Difference ..	— 770	— 3,162	— 8,044	— 4,801	— 11,935	— 10,360	+ 40,546	— 50,906
Coimbatore	1896-97	49,590	18,616	48,372	17,891	2,77,092	2,28,263	6,907	2,21,356
	1897-98	50,402	19,175	49,371	18,588	2,82,625	2,32,819	6,074	2,26,745
	Difference ..	+ 812	+ 559	+ 999	+ 697	+ 5,533	+ 4,556	— 833	+ 5,389
Salem	1896-97	112,234	104,866	106,043	99,185	5,91,307	4,24,366	34,489	3,89,877
	1897-98	114,942	105,056	112,675	103,321	6,07,642	4,37,318	14,156	4,23,162
	Difference ..	+ 2,708	+ 190	+ 6,632	+ 4,136	+ 16,335	+ 12,952	— 20,333	+ 33,285
Total of Class IV—Works.	1896-97	2,407,326	684,380	2,134,971	653,403	1,10,18,695	82,87,610	13,27,530	69,60,080
	1897-98	2,431,946	735,624	2,228,612	725,426	1,12,58,731	84,98,117	9,06,192	75,91,925
	Difference ..	+ 24,620	+ 51,244	+ 93,641	+ 72,023	+ 2,40,036	+ 2,10,507	— 4,21,338	+ 6,31,845

APPEN

ABSTRACT statement of the extent of irrigation and the revenue

Class and names of systems and canals.	Expected ultimate area of irrigation.	Area occupied.		Area charged
		First crop.	Second crop.	First crop.
1	2	3	4	5
CLASS I.—PRODUCTIVE PUBLIC WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.	ACS.	ACS.	ACS.	ACS.
Gódávari Anikat System.				
Eastern delta .. 1. Main canal	..	1,096	2	1,096
2. Bank canal	20,200	26,904	7,398	26,628
3. Cocanada canal	44,000	43,753	16,547	43,634
4. Samalkot do.	29,000	28,599	7,855	28,228
5. Mandapet do.	28,000	32,509	15,555	32,496
6. Coringa do.	32,000	32,699	10,700	32,502
7. Injiram do.	16,800	16,229	6,406	16,143
8. Kovur-Manjair Junction channel	..	6,290	1,988	5,792
Total, Eastern Delta ..	170,000	188,079	66,451	186,519
Central delta .. 1. Main canal	1,000	14	511	14
2. Gunnavaram canal	47,880	39,194	10,278	38,260
3. Bank canal	29,650	30,536	7,704	30,302
4. Amalápuram canal	31,359	29,356	5,752	29,278
5. Bendamurlanka canal	12,540	10,457	861	9,863
Total, Central Delta ..	122,420	109,557	25,106	107,717
Western delta .. 1. Main canal	1,000	1,534	1,032	1,521
2. Kakaraparru canal	8,500	10,114	5,296	10,114
3. Gostanadi and Velpur canal	39,000	42,727	6,205	42,288
4. Bank canal	28,000	35,367	18,541	35,127
5. Narsapur canal	59,000	67,116	20,460	65,316
6. Ellore canal	55,000	41,372	2,358	40,507
7. Attili do.	33,000	33,725	10,157	33,551
8. Venkayya and Wyair canal	48,080	44,273	6,562	43,355
9. Undi canal	48,000	53,233	2,233	52,570
10. Junction canal	..	17,371	2,753	17,369
Total, Western Delta ..	319,580	346,832	75,597	341,718
Total, Gódávari Anikat System ..	612,000	644,468	167,154	635,954
Kistna Anikat System.				
Eastern Delta .. 1. Ellore canal	31,000	48,298	32	48,166
2. Ryves do.	35,000	45,535	11	45,467
3. Masulipatam canal	34,000	42,774	5	42,667
4. Pulleru canal	80,000	117,324	15	116,783
5. Polrazcodu canal	34,000	26,630	96	26,465
6. Buntumilli do.	12,000	21,559	265	21,524
7. Bank canal	44,000	..	..	..
Total, Eastern Delta ..	270,000	302,520	424	301,072
Western delta .. 1. Main canal	6,000	9,131	..	9,007
2. Nizampatam canal	52,000	62,902	6	62,447
3. Bank canal	67,000	56,808	19	56,234
4. Commamore canal	80,000	91,558	6	91,162
Total, Western delta ..	205,000	220,399	31	218,850
Total, Kistna Anikat System ..	475,000	522,919	455	519,922
Cauvery Anikat System.				
Cauvery section .. 1. Cauvery	Not fixed.	198,576	44,431	197,809
2. Codamurti		36,310	13,314	36,310
3. Arasalar		17,990	1,957	17,990
4. Tirumalrajanar		9,679	1,693	9,679
5. Mudikondanar		32,549	2,352	32,549
6. Nattar		17,755	1,721	17,755
7. Kirthimanar		11,916	676	11,916
8. Virasolan		37,309	4,214	37,309
9. Puthar		10,697	339	10,697
10. Solasudamaniyar		9,661	360	9,661
11. Manjavoikal		14,984	1,221	14,984
12. Vellappar		18,650	440	18,650
13. Mahimalayar		11,639	852	11,639
14. Petharasanar		2,020	13	2,020

LIX II.

derived from Irrigation Works for the fasli year 1307 (1897-98).

as irrigated.	Area of lands irrigated free of charge included in columns 3 and 4.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
Second crop.	First crop.	Second crop.				
6	7	8	9	10	11	12
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
2	206	..	4,512	4,456	355	4,101
6,833	1,871	..	1,66,942	1,35,226	6,043	1,29,183
15,963	11,481	..	3,08,802	2,41,463	7,446	2,34,017
7,769	10,048	150	1,61,108	1,32,986	3,161	1,29,825
15,100	759	16	2,97,523	2,27,424	3,570	2,23,854
9,882	8,029	..	2,16,497	1,65,930	10,293	1,55,637
6,269	3,466	10	99,733	84,399	3,137	81,262
1,988	2,894	..	27,778	27,466	4,089	23,377
63,806	38,754	176	12,82,895	10,19,350	38,094	9,81,256
511	..	..	2,092	2,076	363	1,713
10,150	3,543	..	2,70,030	2,05,138	7,300	1,97,838
7,559	4,835	..	1,82,299	1,43,226	2,956	1,40,270
5,737	7,082	..	1,57,950	1,28,607	3,227	1,25,380
861	2,878	..	50,630	37,307	4,096	33,211
24,818	18,338	..	6,62,101	5,16,354	17,942	4,98,412
987	41	41	11,222	11,096	1,046	10,050
5,292	..	..	74,825	64,315	2,088	62,227
6,147	7,641	..	2,58,600	1,93,452	4,278	1,89,174
18,515	1,478	..	2,92,037	2,21,044	2,481	2,18,563
19,974	9,099	5	4,57,965	3,60,308	16,381	3,43,927
2,310	5,508	81	2,11,195	1,83,096	4,595	1,78,501
10,155	1,919	1	2,32,472	1,84,867	3,670	1,81,197
6,562	22,675	630	1,54,809	1,30,476	5,341	1,25,135
2,215	20,001	3	2,33,068	1,71,531	4,116	1,67,415
2,700	2,289	..	97,184	82,036	326	81,710
74,857	70,651	761	20,23,377	16,02,221	44,322	15,57,899
163,481	127,743	937	39,68,373	31,37,925	1,00,358	30,37,567
32	10,877	..	2,04,321	1,89,195	934	1,88,261
11	4,794	..	2,30,755	2,02,988	4,242	1,98,746
5	2,890	..	2,17,314	2,05,180	1,200	2,03,980
15	21,319	..	5,76,005	4,87,016	2,205	4,84,811
96	6,095	..	1,22,840	1,03,286	1,468	1,01,818
264	4,614	..	1,03,555	88,767	618	88,149
..	..	..	..	..	..	..
423	50,589	..	14,54,790	12,76,432	10,667	12,65,765
..	..	..	63,895	47,397	275	47,122
6	1,165	..	4,19,640	3,12,205	612	3,11,593
19	1,294	..	3,70,087	2,79,742	1,090	2,78,652
3	3,408	..	6,31,974	4,54,927	850	4,54,077
28	5,867	..	14,85,596	10,94,271	2,827	10,91,444
451	56,456	..	29,40,386	23,70,703	13,494	23,57,209
44,365	27,288	4,734	13,33,962	10,65,952	5,795	10,60,157
13,314	7,949	1,464	3,03,819	2,56,485	..	2,56,485
1,957	2,406	191	1,25,651	1,00,748	..	1,00,748
1 693	983	17	75,194	60,526	..	60,526
2,352	2,243	2	2,35,056	1,87,280	..	1,87,280
1,721	821	8	1,25,426	99,367	3	99,364
676	1,302	35	87,536	70,475	..	70,475
4,214	1,575	57	2,35,214	1,80,042	..	1,80,042
339	683	4	75,629	60,269	..	60,269
360	520	..	75,424	61,077	..	61,077
1,221	1,457	..	78,038	57,676	..	57,676
440	757	..	1,16,082	88,992	2	88,990
852	661	..	63,224	46,510	..	46,510
13	108	..	14,147	11,258	..	11,258

Abstract statement of the extent of irrigation and the revenue

Class and names of systems and canals.	Expected ultimate area of irrigation.	Area occupied.		Area charged
		First crop.	Second crop.	First crop.
1	2	3	4	5
CLASS I.—PRODUCTIVE PUBLIC WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT—*cont.*	ACS.	ACS.	ACS.	ACS.
Cauvery Anikat System—cont.				
Cauvery section—*cont.* 15. Vanjiyar	Not fixed.	3,814	263	3,814
16. Noolar		10,544	656	10,539
17. South Puthar		1,271	38	1,271
18. Manniyar		36,892	4,127	36,870
Total, Cauvery Section	..	482,256	78,667	481,462
Vennar section—1. Vennar	Not fixed.	94,381	8,996	94,369
2. Vettar		47,066	2,872	47,066
3. Odambogyar		50,984	687	50,984
4. Koraiar		52,874	3,685	52,860
5. Pamaniyar		38,386	2,842	38,386
6. Pandavayar		21,517	356	21,517
7. Vellayar		32,429	1,181	32,374
8. Athiveraramanar		4,161	96	4,161
9. Harichendranadi		28,324	1,307	28,119
10. Mulliyar		32,409	2,070	32,218
11 Iyanar		3,404	195	3,404
Total, Vennar Section	..	405,935	24,287	405,458
Total, Cauvery Anikat System	..	888,191	102,954	886,920
Srivaikuntam Anikat System.				
1. North main canal	25,000	10,565	8,977	10,172
2. South do.		12,220	11,722	11,408
Total, Srivaikuntam Anikat	25,000	22,785	20,699	21,580
Barur tank project	6,887	2,664	1,757	2,664
Rushikulya project	Not fixed.	67,996	1,333	65,925
Penner Anikat System.				
1. Jaffer Saib canal	69,385	33,458	2,168	33,396
2. Sarvepalli canal		20,581	1,250	20,428
3. Kistnapatam canal		6,970	485	6,970
4. Nellore tank		7,089	51	5,716
Total, Pennér Anikat System	69,385	68,098	3,954	66,510
Sangam Anikat System.				
1. Duvvuru canal	94,000	5,889	810	5,640
2. Kanigiri canal		68,476	3,702	66,125
Total, Sangam Anikat System	94,000	74,365	4,512	71,765
Kurnool-Cuddapah Canal.				
1. Kurnool district	Not fixed.	23,113	3,396	23,113
2. Cuddapah do.		16,169	4,486	16,169
Total, Kurnool-Cuddapah Canal	..	39,282	7,882	39,282
Periyar Project	..	69,966	19,856	69,394
CLASS II.—AGRICULTURAL WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.				
Palar Anikat System.				
Northern section—1. Kaveripak canal	..	19,493	6,065	18,947
2. Mahendravadi canal	..	5,990	1,116	5,740
3. Govindavadi do.	..	7,450	1,029	7,302
4. Kambakal do.	..	18,487	2,145	18,100
Total, Northern Section	..	51,420	10,355	50,089
Southern section—1 Dusi canal	..	19,628	10,799	19,471
2. Chakramallur canal	..	3,624	1,711	3,565
3. Kalavai canal	..	1,559	409	1,559
Total, Southern Section	..	24,811	12,919	24,595
Total, Palar Anikat System	68,700	76,231	23,274	74,684
Pelandorai anikat system	7,541	9,952	353	9,860
Chembrambakam tank	18,000	13,061	4,116	11,705

derived from Irrigation Works for the fasli year 1307 (1897–98)—*cont.*

as irrigated.	Area of lands irrigated free of charge included in columns 3 and 4.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
Second crop.	First crop.	Second crop.				
6	7	8	9	10	11	12
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
263	304	..	24,157	18,880	..	18,880
656	333	..	67,073	51,727	30	51,697
38	..	..	7,214	5,312	..	5,312
4,127	3,689	214	2,70,625	2,16,485	58	2,16,427
78,601	53,129	6,726	33,13,471	26,39,961	5,888	26,33,173
8,996	9,639	175	5,74,571	4,46,293	245	4,46,048
2,872	4,625	25	3,07,199	2,42,032	113	2,41,919
687	7,635	14	2,68,334	2,01,791	668	2,01,123
3,685	6,520	167	2,25,962	1,55,627	1,119	1,54,508
2,842	8,130	299	1,58,797	1,12,617	171	1,12,446
356	683	..	1,35,230	1,03,869	51	1,03,818
1,181	1,585	..	1,71,276	1,25,000	1,214	1,23,786
96	571	..	21,865	16,456	9	16,447
1,307	1,019	10	1,36,633	95,854	1,856	93,998
2,070	6,960	65	1,31,386	91,707	1,986	89,721
195	442	..	16,384	11,798	2	11,796
24,287	47,809	755	21,47,637	16,03,044	7,434	15,95,610
102,888	100,938	7,481	54,61,108	42,42,105	13,322	42,28,783
8,975	501	253	99,743	88,892	4,002	84,890
11,113	680	375	1,26,312	1,11,499	6,651	1,04,848
20,088	1,181	628	2,26,055	2,00,391	10,653	1,89,738
1,757	130	130	14,056	11,631	9	11,622
1,333	8,911	18	1,68,385	1,18,471	4,819	1,13,652
2,168	5,951	..	1,79,226	1,43,371	723	1,42,648
1,250	3,053	..	1,00,754	79,053	850	78,203
485	2,712	..	27,932	22,933	84	22,849
51	2,019	..	30,170	23,183	6,586	16,597
3,954	13,735	..	3,38,082	2,68,540	8,243	2,60,297
810	826	..	33,181	24,943	1,541	23,402
3,702	9,478	..	3,60,394	2,90,440	12,028	2,78,412
4,512	10,304	..	3,93,575	3,15,383	13,569	3,01,814
3,396	..	..	*† 78,035	† 78,035	219	77,816
4,486	..	..	* 65,094	65,094	1,123	63,971
7,882	..	..	1,43,129	1,43,129	1,342	1,41,787
19,749	3,531	460	4,23,755	3,69,946	8,190	3,61,756
6,027	4,060	932	91,363	70,418	2,666	67,752
1,101	501	63	29,641	23,527	1,284	22,243
1,014	1,114	110	31,584	23,245	685	22,560
2,145	2,981	137	59,379	42,403	2,499	39,904
10,287	8,656	1,242	2,11,967	1,59,593	7,134	1,52,459
10,799	2,512	2,461	1,06,892	81,861	1,041	80,820
1,641	188	159	20,832	15,697	544	15,153
409	86	72	7,526	5,592	2	5,590
12,849	2,786	2,692	1,35,250	1,03,150	1,587	1,01,563
23,136	11,442	3,934	3,47,217	2,62,743	8,721	2,54,022
352	421	..	53,713	37,077	1,603	35,474
3,986	1,996	161	68,862	50,821	7,201	43,620

* Represent only water-rate. † Exclusive of Rs. 276 value of water supplied to the Kurnool Municipality.

Abstract statement of the extent of irrigation and the revenue derived from Irrigation Works for the fasli year 1307 (1897-98)—*cont.*

Class and names of systems and canals.	Expected ultimate area of irrigation.	Area occupied.		Area charged as irrigated.	Area of lands irrigated free of charge included in columns 3 and 4.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop.	Second crop.	First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10	11	12
CLASS II.—AGRICULTURAL WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT—*cont.*	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Madras Water-supply and Irrigation Extension Project.											
1. Sholavaram tank	9,852	3,187	806	3,187	806	506	10	12,760	8,850	279	8,571
2. Red Hills do.		4,354	2,040	4,354	2,040	1,075	415	17,305	13,728	64	13,664
Total, Madras Water-supply and Irrigation Extension Project	9,852	7,541	2,846	7,541	2,846	1,581	425	30,065	22,578	343	22,235
Cumbum tank	Not fixed.	5,736	4,183	5,736	2,456	1,777	1,358	46,704	40,407	4,231	36,176
Tadepalli channel		14,298	558	14,220	557	471	..	1,24,370	1,03,359	403	1,02,956
Arakankottai do.		4,128	29	4,105	29	107	..	33,638	28,021	119	27,902
Kalingaroyen do.		11,319	10,197	11,319	10,197	819	819	1,19,313	1,05,433	57	1,05,376
Vallur anikat		5,173	247	5,059	247	2,779	16	14,258	9,108	722	8,386
Cheyaru do.		21,396	12,824	19,703	12,802	1,819	1,712	1,14,079	83,793	11,792	72,001
Poiney do.		22,452	5,795	22,416	5,791	2,088	150	1,17,251	88,008	672	87,336
Lower Coleroon anikat		108,988	3,985	108,967	3,971	8,298	157	6,41,961	3,97,556	248	3,97,308
Shatyatope do.		30,289	4,758	29,022	4,690	1,749	..	1,72,448	1,16,814	5,196	1,14,618
Vriddhachalam do.		6,118	405	6,117	405	103	..	36,770	24,210	22	24,188
Mehmattur do.		3,915	105	3,915	105	30	..	25,394	16,355	..	16,355
Tirukkóyilúr do.		23,229	3,122	22,911	3,111	1,498	..	1,34,383	95,642	1,866	93,776
Marudur do.		17,564	16,629	17,506	16,629	655	449	2,16,067	1,89,195	2,217	1,86,978
Nandyar channel		4,928	2,306	4,889	2,287	43	..	27,189	20,369	265	20,104
Ganjám Minor Rivers System.											
Langulia River—1. Doosi main channel	Not fixed.	3,973	1,308	3,973	1,308	1,139	20	18,101	12,088	33	12,055
2. Wadada do.		9,945	317	9,945	317	3,725	21	32,022	19,598	95	19,503
Total, Langulia River	..	13,918	1,625	13,918	1,625	4,864	41	50,123	31,686	128	31,558
Vamsadhara River—1. Purushottapur main channel	Not fixed.	3,316	52	3,316	52	903	..	11,657	7,343	123	7,220
2. Byree do.		11,663	391	11,663	391	2,731	12	39,330	25,249	286	24,963
3. Nagarikatakam do.		2,776	427	2,759	427	595	..	11,250	7,064	266	6,798
4. Jalmur do.		8,268	2,522	8,207	2,522	2,253	145	35,907	23,743	259	23,484
5. Looklam do.		3,568	91	3,568	91	3,394	..	3,818	2,523	..	2,523
6. Polaky do.		11,024	816	10,924	816	3,450	81	38,880	24,487	360	24,127
Total, Vamsadhara River	..	40,615	4,299	40,437	4,299	13,326	238	1,40,842	90,409	1,294	89,115
Garibula Gedda hill stream	Not fixed.	1,917	346	1,916	346	165	33	5,713	3,383	72	3,311
Total, Ganjám Minor Rivers System	..	56,450	6,270	56,271	6,270	18,355	312	1,96,678	1,25,478	1,494	1,23,984
CLASS III.—AGRICULTURAL WORKS FOR WHICH INDIVIDUALLY A CONTINUOUS RECORD IS TO BE MAINTAINED.											
Vizagapatam District.											
Sarada River—1. Gódári anikat	Not fixed.	6,184	3,956	6,119	3,956	3,939	1,853	22,586	16,729	672	16,057
2. Mamidivada do.		1,889	980	1,889	980	1,337	429	5,614	4,061	3	4,058
3. Dimili do.		869	867	869	867	574	574	3,196	2,129	..	2,129
4. Kattukoola do.		1,282	1,282	1,281	1,282	652	652	5,544	3,796	18	3,778
5. Kumarapalli do.		1,398	1,392	1,378	1,392	462	462	6,258	4,449	48	4,401
6. Marripallem do.		760	749	750	749	191	191	3,105	1,921	17	1,904
Total, Sarada River	..	12,382	9,226	12,286	9,226	7,155	4,161	46,303	33,085	758	32,327
Varaha River—1. Pallaparti anikat	Not fixed.	3,255	2,591	3,252	2,591	1,829	1,226	13,296	9,579	15	9,564
2. Mallelagedda do.		610	604	610	604	186	186	1,875	1,242	1	1,241
3. Gubbada do.		2,020	1,593	2,020	1,593	192	192	8,803	6,900	18	6,882
4. Duggada do.		1,247	1,128	1,247	1,128	204	204	8,335	6,260	19	6,241
Total, Varaha River	..	7,132	5,916	7,129	5,916	2,411	1,808	32,309	23,981	53	23,928
Total, Vizagapatam District	..	19,514	15,142	19,415	15,142	9,566	5,969	78,612	57,066	811	56,255
Salem District.											
Pennagundapuram tank	Not fixed.	433	427	433	427	..	..	1,818	1,456	..	1,456
Tinnevelly District.											
Támbraparni River—1. Ariyanayakapuram anikat	Not fixed.	5,337	5,116	5,334	5,116	689	312	73,201	66,070	963	65,107
2. Pahlavur do.		8,420	7,717	8,420	7,717	457	132	1,07,213	95,534	645	94,889
3. Suttamalli do.		6,320	5,511	6,320	5,511	787	411	72,606	64,843	205	64,638
4. Kodamilalaghien do.		3,138	2,642	3,138	2,642	1,333	624	20,069	16,732	89	16,643
5. Nathiyuni do.		2,489	2,351	2,489	2,351	920	743	22,007	20,035	24	20,011
6. Kannadien do.		11,395	11,122	11,395	11,122	476	384	1,82,400	1,62,276	1,676	1,60,700
Total, Tinnevelly District	..	37,099	34,459	37,096	34,459	4,662	2,606	4,77,496	4,25,490	3,502	4,21,988

Abstract statement of the extent of irrigation and the revenue derived from Irrigation Works for the fasli year 1307 (1897-98)—*cont.*

Class and names of systems and canals.	Expected ultimate area of irrigation.	Area occupied.		Area charged	as irrigated.	Area of lands irrigated free of charge included in columns 3 and 4.		Total, land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
		First crop.	Second crop.	First crop.	Second crop.	First crop.	Second crop.				
1	2	3	4	5	6	7	8	9	10	11	12
CLASS III.—AGRICULTURAL WORKS FOR WHICH INDIVIDUALLY A CONTINUOUS RECORD IS TO BE MAINTAINED—*cont.*		ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
Chingleput District.											
Madurántakam tank	Not fixed.	5,951	917	5,401	917	774	54	20,351	13,775	2,178	11,597
South Arcot District.											
Myorenady .. Kattumailur anikat	Not fixed.	490	80	490	80	1	..	3,586	2,372	..	2,372
Gadilam River .. 1. Tiruvadi anikat	Not fixed.	7,265	2,124	7,245	2,124	761	..	50,448	36,614	73	36,541
2. Vanamadevi anikat		804	227	804	227	57	..	7,030	4,981	6	4,975
3. Tiruvendipuram anikat		1,991	717	1,991	717	630	42	15,382	11,281	347	10,934
Total, Gadilam River ..	..	10,060	3,068	10,040	3,068	1,448	42	72,860	52,876	426	52,450
Kullar River .. Vikravandi anikat	Not fixed.	2,341	128	2,312	125	56	..	12,386	8,371	162	8,209
Total, South Arcot District ..	..	12,891	3,276	12,842	3,273	1,505	42	88,832	63,619	588	63,031
Coimbatore District.											
Amaravati River. 1. Cullapuram anikat channel ..	Not fixed.	1,436	1,422	1,436	1,422	65	55	6,693	5,790	..	5,790
2. Comaralingam do. ..		2,621	2,150	2,621	2,150	88	61	10,845	8,911	..	8,911
3. Kannadiputtur do. ..		609	603	609	603	97	97	5,288	4,641	..	4,641
4. Sholamadevi do. ..		525	525	525	525	118	118	4,683	4,094	..	4,094
5. Kuddattur do. ..		1,112	1,108	1,112	1,108	140	133	8,422	7,422	20	7,402
6. Kanniyur do. ..		390	287	390	287	27	13	3,340	2,935	..	2,935
7. Koratalavu do. ..		582	572	582	572	44	44	4,809	4,224	..	4,224
8. Alinghirur do. ..		1,034	768	1,034	768	121	120	11,529	9,964	..	9,964
9. Dalavoyapatnam do. ..		929	400	929	400	200	128	5,618	4,570	..	4,570
10. Dhárápuram do. ..		2,449	1,416	2,449	1,416	349	304	24,939	21,412	..	21,412
11. Calinjeevadi do. ..		3,225	1,385	3,225	1,385	292	274	23,368	19,479	..	19,479
12. Nanjatalayur do. ..		365	363	365	363	53	53	2,553	2,133	..	2,133
13. Chinna Dhárápuram do. ..		1,926	1,878	1,926	1,878	168	108	10,082	8,599	..	8,599
14. Sundakayalpaliam do. ..		260	151	260	151	3	3	1,605	1,323	..	1,323
15. Nanjakalakurchi do. ..		369	368	369	368	9	9	2,118	1,785	16	1,769
16. Pallapalliam do. ..		3,828	3,374	3,828	3,374	201	162	23,410	19,858	86	19,772
17. Tirumanallur Korambu do. ..		928	879	928	879	84	40	4,987	4,242	144	4,098
18. Karúr Balambapuram do. ..		769	609	769	609	562	402	1,391	1,224	9	1,215
19. Panchamadevi do. ..		275	273	275	273	16	16	1,898	1,587	..	1,587
20. Sonapatty		564	548	564	548	46	36	4,352	3,662	59	3,603
21. Puliyur		1,282	1,268	1,279	1,266	142	127	7,716	6,526	42	6,484
22. Coyenhully		918	828	918	828	83	68	5,007	4,255	137	4,118
Total, Amaravati River ..	..	26,396	21,175	26,393	21,173	2,908	2,371	1,74,653	1,48,636	513	1,48,123
CLASS IV.—WORKS FOR WHICH NEITHER CAPITAL AND REVENUE ACCOUNTS NOR A CONTINUOUS RECORD OF EXPENDITURE IS KEPT.											
Imperial.											
1. Ganjám	Not fixed.	57,132	1,937	55,987	1,937	10,034	190	1,67,526	86,999	6,174	80,825
2. Vizagapatam		33,972	28,920	33,710	28,915	13,272	9,446	1,49,463	1,08,147	1,442	1,06,705
3. Gódávari		47,608	4,116	46,077	4,104	15,660	274	1,61,930	1,03,498	3,839	99,659
4. Kistna		16,224	..	13,183	..	1,265	..	71,497	48,261	13,907	34,354
5. Nellore		95,592	6,411	65,993	6,309	12,946	442	4,55,844	3,57,649	1,40,492	2,17,157
6. Cuddapah		60,986	25,381	57,190	25,285	21,128	4,087	3,50,946	2,89,484	22,424	2,67,060
7. Anantapur		53,377	20,958	51,495	20,958	9,795	3,355	2,69,079	2,32,402	10,204	2,22,198
8. Bellary		32,618	8,233	32,179	8,227	6,733	1,440	2,33,566	2,01,767	2,375	1,99,392
9. Kurnool		21,977	5,061	21,193	5,061	7,571	1,675	1,08,886	84,927	6,456	78,471
10. Chingleput		235,544	26,571	192,098	25,481	23,070	1,359	8,22,961	5,76,238	1,41.142	4,35,096
11. North Arcot		61,628	23,141	55,738	22,639	6,379	3,937	3,26,756	2,40,105	29,891	2,10,214
12. South Arcot		80,044	14,955	75,460	14,758	3,814	283	4,48,728	3,15,532	23,105	2,92,427
13. Tanjore		18,374	1,700	18,027	1,700	3,381	23	62,840	46,661	1,249	45,412
14. Trichinopoly		80,508	30,054	78,589	29,956	4,940	1,274	6,05,812	4,48,257	15,151	4,33,106
15. Madura		48,442	24,145	46,747	23,821	2,497	1,199	2,70,077	2,28,019	8,349	2,19,670
16. Tinnevelly		56,006	34,164	54,360	33,841	3,494	1,897	4,28,254	3,70,327	10.315	3,60,012
17. Coimbatore		35,628	14,274	35,333	13,981	2,901	870	2,18,178	1.81,771	2,684	1,79,087
18. Salem		32,201	30,781	31,569	30,235	2,941	2,524	2,06,281	1,51,862	3,928	1,47,934
Total, Imperial ..	..	1,067,861	300,802	964,928	297,208	151,821	34,275	53,58,624	40,71,906	4,43,127	36,28,779

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Abstract statement of the extent of irrigation and the revenue

Class and names of systems and canals.	Expected ultimate area of irrigation.	Area occupied.		Area charged
		First crop.	Second crop.	First crop.
1	2	3	4	5
CLASS IV.—WORKS FOR WHICH NEITHER CAPITAL AND REVENUE ACCOUNTS NOR A CONTINUOUS RECORD OF EXPENDITURE IS KEPT—*cont.*		ACS.	ACS.	ACS.
Minor.				
1. Ganjám	Not fixed.	58,214	3,998	57,485
2. Vizagapatam		50,250	45,905	50,055
3. Gódávari		57,685	1,739	55,951
4. Kistna		29,559	543	28,177
5. Nellore		35,692	5,337	24,851
6. Cuddapah		151,775	43,688	139,136
7. Anantapur		81,189	31,628	77,554
8. Bellary		23,244	9,924	22,865
9. Kurnool		31,101	4,542	30,036
10. Chingleput		118,922	12,024	92,611
11. North Arcot		160,311	69,055	150,988
12. South Arcot		205,894	40,701	193,954
13. Tanjore		36,790	2,701	35,977
14. Trichinopoly		48,887	18,139	46,623
15. Madura		85,154	18,447	78,147
16. Tinnevelly		91,903	47,275	84,130
17. Coimbatore		14,774	4,901	14,038
18. Salem		82,741	74,275	81,106
Total, Minor ..	..	1,364,085	434,822	1,263,684
Grand Total (Imperial and Minor) ..	..	2,431,946	735,624	2,228,612

derived from Irrigation Works for the fasli year 1307 (1897–98)—*cont.*

as irrigated.	Area of lands irrigated free of charge included in columns 3 and 4.		Total, land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
Second crop.	First crop.	Second crop.				
6	7	8	9	10	11	12
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.
3,994	10,274	319	1,33,965	72,646	1,551	71,095
45,851	13,780	13,665	2,11,922	1,49,038	952	1,48,086
1,728	14,477	81	1,31,553	92,180	3,415	88,765
541	2,099	8	1,38,476	1,00,063	10,580	89,483
5,310	5,831	386	1,48,961	1,16,202	52,364	63,838
43,309	50,797	9,852	6,54,179	5,33,896	78,265	4,55,631
31,621	13,130	3,547	3,30,603	2,78,729	16,127	2,62,602
9,923	5,117	2,584	97,327	82,275	2,148	80,127
4,512	9,114	968	1,33,145	1,05,387	10,952	94,435
11,212	14,320	747	3,66,319	2,52,980	82,353	1,70,627
68,101	26,824	13,696	8,22,472	6,05,790	47,432	5,58,358
40,227	9,616	769	10,82,938	7,49,703	55,286	6,94,417
2,696	3,539	1	1,15,678	83,093	3,627	79,466
18,134	11,600	3,220	1,74,115	1,24,870	7,072	1,17,798
17,982	4,441	864	3,46,026	2,71,869	24,601	2,47,268
45,384	6,889	2,217	5,46,650	4,70,986	52,722	4,18,264
4,607	1,639	250	64,447	51,048	3,390	47,658
73,086	6,983	5,672	4,01,361	2,85,456	10,228	2,75,228
428,218	210,470	58,846	59,00,107	44,26,211	4,63,065	39,63,146
725,426	362,291	93,121	1,12,58,731	84,98,117	9,06,192	75,91,925

APPENDIX III.

COMPARATIVE statement of the area irrigated and the revenue derived in each taluk under the Kurnool-Cuddapah canal for faslis 1306 (1896–97) and 1307 (1897–98).

Taluks.	Area irrigated. First crop. Wet.	Area irrigated. First crop. Dry.	Area irrigated. Second crop. Wet.	Area irrigated. Second crop. Dry.	Demand.	Remissions.	Net demand.
1	2	3	4	5	6	7	8
Kurnool.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.
Nandyal 1306	3,928	9,069	151	1,184	29,044	..	29,044
1307	2,997	1,088	611	214	19,021	17	19,004
Difference ..	— 931	— 7,981	+ 460	— 970	— 10,023	+ 17	— 10,040
Sirvel 1306	2,344	11,981	17	425	24,133	..	24,133
1307	2,138	5,170	64	279	17,993	29	17,964
Difference ..	— 206	— 6,811	+ 47	— 146	— 6,140	+ 29	— 6,169
Koilkuntla 1306	208	5,997	12	128	7,565	..	7,565
1307	314	501	39	30	2,263	2	2,261
Difference ..	+ 106	— 5,496	+ 27	— 98	— 5,302	+ 2	— 5,304
Ramallakot 1306	1,872	810	619	152	10,196	..	10,196
1307	1,745	896	701	141	11,250	..	11,250
Difference ..	— 127	+ 86	+ 82	— 11	+ 1,054	..	+ 1,054
Nandikotkur .. 1306	5,118	20,181	517	905	42,043	105	41,938
1307	†4,379	†3,885	† 683	† 634	†27,508	† 171	†27,337
Difference ..	— 739	— 16,296	+ 166	— 271	— 14,535	+ 66	— 14,601
Total .. 1306	13,470	48,038	1,316	2,794	1,12,981	105	1,12,876
1307	11,573	11,540	2,098	1,298	* 78,035	219	77,816
Difference ..	— 1,897	— 36,498	+ 782	— 1,496	— 34,946	+ 114	— 35,060
Cuddapah.							
Cuddapah 1306	6,987	1,339	2,027	432	35,398	1,192	34,206
1307	6,849	1,215	2,471	304	36,551	1,061	35,490
Difference ..	— 138	— 124	+ 444	— 128	+ 1,153	— 131	+ 1,284
Proddatur 1306	3,313	5,192	42	1,538	26,860	55	26,805
1307	3,571	4,246	94	1,617	28,006	62	27,944
Difference ..	+ 258	— 946	+ 52	+ 79	+ 1,146	+ 7	+ 1,139
Jammalamadugu .. 1306	11	727	..	..	854	..	854
1307	105	183	..	..	537	..	537
Difference ..	+ 94	— 544	..	..	— 317	..	— 317
Total .. 1306	10,311	7,258	2,069	1,970	63,112	1,247	61,865
1307	10,525	5,644	2,565	1,921	65,094	1,123	63,971
Difference ..	+ 214	— 1,614	+ 496	— 49	+ 1,982	— 124	+ 2,106
Grand Total .. 1306	23,781	55,296	3,385	4,764	1,76,093	1,352	1,74,741
1307	22,098	17,184	4,663	3,219	1,43,129	1,342	1,41,787
Difference ..	— 1,683	— 38,112	+ 1,278	— 1,545	— 32,964	— 10	— 32,954

* Exclusive of Rs. 276 being value of water supplied to the Kurnool Municipality.
† Inclusive of irrigation in certain villages of the Nizam's Dominions.

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APPENDIX IV TO VIII.

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APPEN

STATEMENT showing the total area actually irrigated by flow or lift under classes

Name of system.	Area irrigated.					
	First crop.		Second crop.		Total.	Both seasons.
	Flow.	Lift.	Flow.	Lift.		
1.	2	3	4	5	6	7
Class I—Works.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.
1. Gódávari anikat	627,500	10,869	160,495	6,135	804,999	5,678
2. Kistna do.	512,650	5,361	365	83	518,459	14
3. Cauvery do.	812,892	42,520	93,802	5,305	954,519	5,447
4. Pennér do.	62,865	629	3,953	1	67,448	18
5. Sangam do.	67,219	904	4,511	..	72,634	107
6. Srivaikuntam anikat	19,212	831	17,433	601	38,077	527
7. Barur tank project	2,597	11	1,011	..	3,619	265
8. Rushikulya do.	66,875	1,078	1,261	72	69,286	..
9. Kurnool-Cuddapah canal	37,709	517	7,680	98	46,004	306
10. Periyár project	65,667	661	18,756	60	85,144	666
Class II—Works.						
11. Pálár anikat	68,598	1,169	20,751	464	90,982	479
12. Pelandorai anikat	9,247	527	279	43	10,096	206
13. Chembrambakkam tank	11,200	131	4,059	1	15,391	945
14. Madras water-supply and irrigation extension project	6,850	347	2,753	83	10,043	105
15. Cumbum tank	5,527	30	3,876	..	9,433	132
16. Thadapalli channel	14,050	147	433	125	14,755	322
17. Arakankottai channel	4,039	62	18	11	4,130	15
18. Kalingarayan do.	9,465	1,804	8,094	1,091	20,454	980
19. Vallur anikat	4,057	392	212	35	4,696	76
20. Cheyaru do.	19,293	449	7,590	83	27,415	53
21. Poiney do.	20,633	345	5,440	57	26,475	164
22. Lower Coleroon anikat	105,650	1,632	3,722	263	111,267	169
23. Shatiatope do.	28,335	647	4,598	157	33,737	93
24. Vriddhachalam do.	5,988	24	401	..	6,413	153
25. Mehmattur do.	3,871	39	68	37	4,015	14
26. Marudur do.	16,818	262	13,953	180	31,213	710
27. Tirukkóyilúr do.	22,118	416	3,028	68	25,630	356
28. Ganjám minor rivers system	54,094	2,122	5,981	285	62,482	68
29. Nandyar channel	4,575	293	2,096	112	7,076	451

Note.—(1) The area under "both seasons" is included under first and second crops.
(2) The areas in columns 2 to 6 include extent under withered crops and exclude waste charged and

DIX IV.

I and II works and the quantity and the value of crops raised thereon during 1897–98.

Area irrigated with different crops.										
Paddy.				Ragi.				Other crops.		
Extent.	Total outturn in tons.	Total value.	Value of average outturn per acre.	Extent.	Total outturn in tons.	Total value.	Value of average outturn per acre.	Extent.	Value.	Value of average outturn per acre.
8	9	10	11	12	13	14	15	16	17	18
ACS.	TONS.	RS.	RS.	ACS.	TONS.	RS.	RS.	ACS.	RS.	RS.
665,885	309,796	2,27,15,663	34·1	4,544	1,121	89,044	19·6	122,074	21,58,016	17·7
510,323	261,366	1,86,87,434	36·6	1,794	229	17,805	9·9	4,841	1,61,995	33·5
899,171	478,332	2,93,24,006	32·6	20,158	4,685	2,58,297	12·8	32,530	4,87,607	15·0
62,488	23,633	16,66,024	26·7	840	136	9,673	11·5	3,409	14,319	4·2
65,350	24,497	17,26,933	26·4	1,146	170	12,091	10·6	4,201	39,753	9·5
36,507	9,770	6,71,416	18·4	277	53	3,152	11·4	363	3,192	8·8
2,979	1,435	1,00,513	33·7	68	6	377	5·5	1,282	8,337	6·5
67,462	25,146	16,55,217	24·5	1,213	100	8,244	6·8	605	23,814	39·4
23,380	11,136	8,75,404	37·4	3,744	848	56,883	15·2	18,746	5,97,060	31·8
76,142	26,039	16,44,646	21·6	3,275	441	26,662	8·1	5,627	72,805	12·9
78,128	26,481	17,72,610	22·7	6,852	636	42,196	6·2	4,580	28,083	6·1
9,163	3,148	1,93,245	21·1	347	52	3,234	9·3	330	12,257	37·1
12,560	2,859	2,00,255	15·9	712	58	4,265	6·0	1,581	47,657	30·1
8,780	2,333	1,63,412	18·6	746	79	5,809	7·8	433	3,559	8·2
5,199	2,012	1,58,164	30·4	432	66	4,886	11·3	3,800	33,517	8·8
13,973	8,187	5,62,629	40·3	41	6	361	8·8	741	32,928	44·4
4,066	2,674	1,83,763	45·2	6	1	60	10·0	58	1,752	30·2
16,626	10,159	6,98,149	42·0	1,921	292	17,556	9·1	1,907	1,30,409	68·4
3,835	682	47,770	12·5	256	16	1,176	4·6	537	1,436	2·7
21,502	7,709	5,10,515	23·7	3,204	311	20,026	6·3	1,383	9,182	6·6
20,586	7,504	4,96,939	24·1	4,055	389	25,049	6·2	1,778	20,343	11·4
107,231	54,614	33,52,572	31·3	1,828	465	28,226	15·4	2,011	22,221	11·0
29,402	11,852	7,27,555	24·7	2,067	373	23,195	11·2	1,157	18,715	16·2
5,899	2,717	1,66,788	28·3	318	64	3,980	12·5	191	6,408	33·5
3,700	2,074	1,27,316	34·4	90	20	1,244	13·8	225	2,304	10·2
28,475	8,551	5,87,644	20·6	224	24	1,510	6·7	2,167	18,713	8·6
22,120	7,770	4,76,974	21·6	1,942	348	21,640	11·1	1,189	32,995	27·8
54,499	30,682	20,19,620	37·1	1,645	151	12,449	7·6	6,208	28,176	4·5
4,606	1,968	1,18,154	25·7	1,199	194	11,230	9·4	1,186	39,839	33·6

an extent of 606 acres under first and second crops irrigated by the Kurnool-Cuddapah canal in the Nizam's Dominions.

APPEN

STATEMENT showing the incidence of water-rate under

—	First crop.										
	Government.						Zemindari.				
								Charged.			
	Extent of wet lands.	Water-rate of wet lands.	Rate per acre.	Extent of dry crops irrigated.	Water-rate of dry crops irrigated.	Rate per acre.	Irrigated free of charge for water.	Extent of wet lands.	Water-rate of wet lands.	Rate per acre.	Extent of dry crops irrigated.
1	2	3	4	5	6	7	8	9	10	11	12
Class I—Works.	ACS.	RS.		ACS.	RS.		ACS.	ACS.	RS.		ACS.
1. Gódávari anikat	316,158	15,28,022	4·83	7,025	20,847	2·97	55,240	41,313	2,05,807	4·98	2,343
2. Kistna do.	308,916	15,54,332	5·03	3,823	17,286	4·52	18,572	79,014	4,09,434	5·18	3,671
3. Cauvery do.	751,829	37,48,521	4·99	25,993	64,458	2·48	413	..	..	..	..
4. Penner do.	50,725	2,28,536	4·51	397	933	2·35	..	..	..	..	..
5. Sangam do.	61,703	2,84,041	4·60	873	1,967	2·25	..	..	..	..	..
6. Srivaikuntam anikat ..	20,314	1,26,743	6·24	138	431	3·12	117	753	2,950	3·92	5
7. Barur tank project ..	2,388	8,838	3·70	47	118	2·51	..	..	..	..	13
8. Rushikulya do.	38,443	68,822	1·79	2,504	6,105	2·44	1,751	8,073	16,852	2·09	1
9. Kurnool-Cuddapah canal ..	14,830	58,088	3·92	11,856	21,733	1·83	..	* 425	* 1,677	* 3·95	* 77
10. Periyár project	60,216	2,86,436	4·76	214	658	3·07	447	5,224	21,579	4·13	2
Class II—Works.											
11. Palar anikat	63,490	2,04,851	3·23	826	2,090	2·53	..	..	..	..	..
12. Pelandorai anikat	8,700	32,927	3·78	258	784	3·04	..	..	..	..	..
13. Chembrambakkam tank ..	10,944	38,445	3·51	96	187	1·95	..	..	..	..	..
14. Madras water supply and irrigation extension project	5,898	16,041	2·72	38	88	2·32	131	..	..	..	..
15. Cumbum tank	3,680	22,928	6·23	200	476	2·38	..	..	..	..	..
16. Tadepalli channel	13,468	98,672	7·33	151	381	2·52	..	..	..	..	..
17. Arakankottai do.	3,919	27,194	6·94	36	93	2·58	..	..	..	..	..
18. Kalingarayan do.	8,176	58,198	7·12	1,566	4,835	3·09	..	..	..	..	..
19. Vallur anikat	2,273	6,350	2·79	..	..	..	..	..	..	..	..
20. Cheyaru do.	19,133	61,215	3·20	249	619	2·49	..	..	..	..	..
21. Póiney do.	19,568	69,999	3·58	688	1,712	2·49	..	..	..	..	..
22. Lower Coleroon anikat ..	98,145	3,72,273	3·79	1,400	3,556	2·54	..	..	..	..	..
23. Shatiatope do. ..	27,404	98,286	3·59	899	2,520	2·80	..	..	..	..	..
24. Vriddhachalam anikat ..	5,863	22,273	3·80	107	340	3·18	..	..	..	..	..
25. Mehamattur do. ..	3,497	14,666	4·19	115	234	2·03	..	..	..	..	..
26. Marudur do. ..	16,874	1,16,779	6·92	35	98	2·80	..	..	..	..	..
27. Tirukkóyilúr do. ..	20,716	82,299	3·97	722	1,887	2·61	..	..	..	..	..
28. Ganjám minor rivers system.	37,822	98,176	2·60	86	197	2·29	3,257	..	..	..	..
29. Nandyar channel	3,920	11,807	3·01	58	147	2·53	..	..	..	..	..

* Relate to certain villages irrigated

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DIX V.

classes I and II works for fasli 1307 (1897-98).

		Inam.							Second crop.			
			Charged.							Charged.		
Water-rate of dry crops irrigated.	Rate per acre.	Irrigated free of charge for water.	Extent of wet lands.	Water-rate of wet lands.	Rate per acre.	Extent of dry crops irrigated.	Water-rate of dry crops irrigated.	Rate per acre.	Irrigated free of charge for water.	Extent.	Water-rate.	Rate per acre.
13	14	15	16	17	18	19	20	21	22	23	24	25
RS.		ACS.	ACS.	RS.		ACS.	RS.		ACS.	ACS.	RS.	
9,335	3·98	72,503	142,809	7,14,739	5·00	7,077	22,541	3·19	937	166,217	6,04,014	3·63
13,225	3·63	37,884	68,978	3,55,934	5·16	2,066	9,925	4·80	..	455	1,978	4·35
..	..	100,525	5,764	23,139	4·01	3,667	9,443	2·58	7,481	95,473	3,53,761	3·71
..	..	13,735	2,831	11,351	4·01	410	1,247	3·04	..	3,954	10,921	2·76
..	..	10,304	1,262	5,004	3·97	223	528	2·37	..	4,512	13,398	2·97
21	4·20	1,064	391	1,570	4·02	3	8	2·67	628	20,071	67,111	3·34
52	4·00	130	57	201	3·53	29	114	3·93	130	1,627	2,163	1·33
2	2·00	7,160	8,912	18,063	2·03	1,152	2,668	2·32	18	1,315	2,086	1·59
* 77	* 1·00	..	6,843	25,917	3·79	5,095	*9,566	1·88	..	7,882	20,249	2·57
12	6·00	3,084	685	2,762	4·03	94	308	3·28	460	19,396	55,583	2·87
..	..	11,442	249	462	1·86	224	365	1·63	3,934	19,340	48,703	2·52
..	..	421	557	2,146	3·85	16	37	2·31	..	353	1,017	2·88
..	..	1,996	4	21	5·25	21	75	3·57	161	3,955	10,554	2·67
..	..	1,450	20	68	3·40	4	12	3·00	425	2,421	4,832	2·00
..	..	1,777	68	294	4·32	11	52	4·73	1,358	2,825	11,624	4·11
..	..	471	95	410	4·32	113	444	3·93	..	558	2,017	3·61
..	..	107	42	163	3·88	24	91	3·79	..	29	93	3·21
..	..	819	235	950	4·04	523	1,783	3·41	819	9,378	35,368	3·77
..	..	2,779	44	164	3·73	77	221	2·87	16	231	509	2·20
..	..	1,819	150	461	3·07	45	122	2·71	1,712	11,112	17,246	1·55
..	..	2,088	57	225	3·95	51	142	2·78	150	5,645	14,604	2·59
..	..	8,298	1,001	3,736	3·73	144	403	2·80	157	3,828	12,216	3·19
..	..	1,749	187	740	3·96	50	178	3·56	..	4,758	14,213	2·99
..	..	103	36	132	3·67	9	27	3·00	..	405	1,333	3·29
..	..	30	248	983	3·96	25	88	3·52	..	105	371	3·53
..	..	655	..	.	..	..	..	..	440	16,180	69,494	4·30
..	..	1,498	262	1,030	3·93	31	92	2·97	..	3,122	9,400	3·01
..	..	15,098	174	607	3·49	13	49	3·77	312	5,958	11,530	1·94
..	..	43	289	897	3·10	618	2,195	3·55	..	2,306	5,291	2·29

in the Nizam's Dominions.

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APPENDIX VI.

STATEMENT showing the water-rates per acre which were in force under Classes I and II, Works, in Madras Presidency during the year ending 30th June 1898.

Description of crop.	Gódávari and Kistna anikats.		Kurnool-Cuddapah canal.		Srívaikuntam and Marudur anikats.		Rushikulya Project.		Periyár Project.		Other systems.	
	Irrigation by		Irrigation by		Irrigation by		Irrigation by		Irrigation by		Irrigation by	
	Flow.	Lift.	Flow.	Lift.	Flow.	Lift.	Flow.	Lift.	Flow.	Lift.	Flow.	Lift.
1	2	3	4	5	6	7	8	9	10	11	12	13
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1. Single wet crop irrigated	5 0 0	3 12 0	4 0 0	3 0 0	..	..	..	..	..	..	..	..
2. Second wet crop on irrigated lands	5 0 0	3 12 0	3 0 0	2 4 0	..	..	..	..	..	..	..	..
3. If compounded for two crops for a term of not less than five years	8 2 0	6 1 6	6 0 0	4 8 0	..	..	..	..	..	..	..	..
4. Sugarcane, betel, plantains, and other garden produce remaining on the ground for the time of two crops	10 0 0	7 8 0	6 0 0	4 8 0	..	..	..	..	..	..	..	..
5. Sugarcane, betel, plantains and other garden produce, if compounded for a term of not less than five years	8 2 0	..	..	..	..	..	..	..	..	..	..	..
6. Single dry crops	..	..	1 0 0	0 12 0	..	..	..	..	..	..	..	..
7. Second dry crop on irrigated lands	2 8 0	1 14 0	1 0 0	0 12 0	..	..	..	..	..	..	..	..
8. Dry crop whether first or second crop grown on land for which irrigation has never been supplied, or if once supplied, discontinued	2 8 0	1 14 0	1 0 0	0 12 0	..	..	..	..	..	..	..	..
9. Garden crops (Class II of Madras Irrigation Canal Company's rules)												
10. Mundla (tailed or coarse paddy)	..	..	3 0 0	2 4 0	..	..	..	..	..	..	..	..
11. Single wet crop on—	..	..	2 0 0	1 8 0	..	..	..	..	..	..	..	..
(a) Wet or mamul irrigated lands in zemin and whole inam villages, the old sources of supply to which have not been interfered with, but for which canal water is taken; (b) All rain-fed paddy (manavari) lands	..	..	..	..	..	..	2 0 0	1 8 0	..	..	..	..
12. Second wet crops on the above												
13. Sugarcane, betel, &c., requiring water longer than ordinary wet crops on lands falling under 11	..	..	..	..	..	..	1 8 0	1 2 0	..	..	..	..
14. Dry crops watered, whether first or second crop on lands falling under 11	..	..	..	..	..	..	4 8 0	3 6 0	..	..	..	..
15. Second wet crop or sugarcane, betel, plantains, &c., requiring water longer than ordinary wet crop raised on wet lands in zemin and whole inam villages deprived wholly or partially of their old sources of irrigation, but which are entitled to free irrigation for only one wet crop—G.O., No. 6195, R.D., dated 3rd December 1891	..	..	..	..	..	..	1 8 0	1 2 0	..	..	..	..
16. Dry crop raised as second crop on do.	..	..	..	..	..	..	1 8 0	1 2 0	..	..	..	..
17. Dry crop raised as second crop on single crop wet in Government villages	..	..	..	..	..	..	1 8 0	1 2 0	..	..	..	..
18. Single wet crop raised on dry land	..	..	..	..	..	..	1 8 0	1 2 0	..	..	..	..
19. Second crop on the same land	..	..	..	..	4 0 0	3 0 0	3 0 0	2 4 0	5 0 0	3 12 0	4 0 0	3 0 0
20. Sugarcane, betel, cocoanuts, plantains, &c., on dry land requiring water longer than an ordinary wet crop	..	..	..	..	4 0 0	3 0 0	1 8 0	1 2 0	3 0 0	2 4 0	2 0 0	1 8 0
21. Dry crop watered, whether first or second	..	..	..	..	6 0 0	4 8 0	4 8 0	3 6 0	8 0 0	6 0 0	6 0 0	4 8 0
	..	..	..	..	2 0 0	1 8 0	1 8 0	1 2 0	2 8 0	1 14 0	2 0 0	1 8 0

APPENDIX VII.

ABSTRACT statement showing the demand, collection and balance under the Kurnool-Cuddapah Canal for the official year 1897–98.

Items.	Cuddapah district.	Kurnool district.	Total.
	RS.	RS.	RS.
Uncollected balance on 1st April 1897	30,636	48,016	78,652
Net demand for the fasli year 1307 (1897–98) exclusive of remi-sions	63,971	*77,816	1,41,787
Total ..	94,607	1,25,832	2,20,439
Collections including collection charges at 5 per cent. during the official year 1897–98	58,526	85,938	1,44,464
Sums written off as irrecoverable during the official year 1897–98	..	..	..
Total ..	58,526	85,938	1,44,464
Uncollected balance on 1st April 1898	36,081	39,894	75,975

*Exclusive of Rs. 276 value of water supplied to the Kurnool Municipality.

APPENDIX VIII.

STATEMENT showing the particulars of cultivation, revenue demand and remission under the Kurnool-Cuddapah canal in the district of Kurnool for fasli 1307.

FORM A.—*Vide* Board's Proceedings, dated 8th July 1889, No. 338 (R.S., L.R. and Agri.).

Particulars.		Extent.	Rate.	Demand.	Remissions.			Net demand.
					Failure of crops by excess or deficiency of water.	Other causes.	Total.	
1		2	3	4	5	6	7	8
		ACS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1. Single wet crop irrigated.	Flow.	9,208·48	4 0 0	36,833 15 0	..	104 13 1	104 13 1	36,729 1 11
	Lift.	58·08	3 0 0	174 15 0	..	..	..	174 15 0
2. Second wet crop irrigated.	Flow.	1,638·81	3 0 0	4,917 2 8	1 10 5	56 9 10	58 4 3	4,858 14 5
	Lift.	35·34	2 4 0	79 8 5	..	..	..	79 8 5
	Flow.	146·72	4 0 0	586 14 1	..	9 5 11	9 5 11	577 8 2
	Lift.	..	..	..	..	..	..	..
3. If compounded for two crops for a term not less than five years.	Flow.	1·05	..	6 4 10	..	..	..	6 4 10
	Lift.	..	..	..	..	..	..	..
4. Sugar-cane, betel, plantains and other garden produce.	Flow.	169·69	6 0 0	1,018 2 2	..	..	..	1,018 2 2
	Lift.	2·50	4 8 0	11 4 0	..	..	..	11 4 0
5. Single dry crop ..	Flow.	5,511·94	1 0 0	5,512 0 11	..	..	..	5,512 0 11
	Lift.	31·35	0 12 0	23 8 2	..	..	..	23 8 2
6. Second dry crop ..	Flow.	1,063·17	1 0 0	1,063 2 9	..	..	..	1,063 2 9
	Lift.	8·61	0 12 0	6 7 4	..	..	..	6 7 4
7. Dry crops whether first or second crop grown on land for which irrigation has never been supplied or if supplied discontinued.	Flow.	..	..	..	..	..	..	..
	Lift.	..	..	..	..	..	..	..
8. Garden crops class 2 of the Madras Irrigation Canal Company's rules.	Flow.	3,724·60	3 0 0	11,173 12 9	..	9 10 7	9 10 7	11,164 2 2
	Lift.	90·66	2 4 0	203 15 9	..	..	..	203 15 9
9. Mundlavari ..	Flow.	3,393·16	2 0 0	6,786 5 1	..	..	..	6,786 5 1
	Lift.	12·38	..	18 9 1	..	0 13 8	0 13 8	17 11 5
10. Canal A and B class lands ..		155·44	..	426 10 6	..	..	..	426 10 6
11. Lands given on favourable terms under paragraph 2 of G.O., No. 448-I., dated 6th June 1882		330·59	..	858 11 2	..	26 10 5	26 10 5	832 0 9
12. Lands given on favourable terms under paragraph 3 of G.O., No. 448 I., dated 6th June 1882		926·29	..	1,447 15 5	..	9 8 4	9 8 4	1,438 7 1
13. Water supplied to the indigo-vats		..	..	..	..	..	..	..
14. Canal water supplied to tanks		..	..	5,394 1 0	..	..	..	5,394 1 0
15. Penalty		..	..	1,491 15 1	..	..	..	1,491 15 1
16. Water supplied to Kurnool Municipality		..	..	275 14 1	..	..	..	275 14 1
Grand Total ..		26,508·86	..	78,311 3 3	1 10 5	217 7 10	219 2 3	78,092 1 0

APPENDIX VII.

ABSTRACT statement showing the demand, collection and balance under the Kurnool-Cuddapah Canal for the official year 1897–98.

Items.	Cuddapah district.	Kurnool district.	Total.
	Rs.	Rs.	Rs.
Uncollected balance on 1st April 1897	30,636	48,016	78,652
Net demand for the fasli year 1307 (1897–98) exclusive of remi-sions	63,971	*77,816	1,41,787
Total ..	94,607	1,25,832	2,20,439
Collections including collection charges at 5 per cent. during the official year 1897–98	58,526	85,938	1,44,464
Sums written off as irrecoverable during the official year 1897–98	..	..	..
Total ..	58,526	85,938	1,44,464
Uncollected balance on 1st April 1898	36,081	39,894	75,975

*Exclusive of Rs. 276 value of water supplied to the Kurnool Municipality.

APPENDIX VIII.

STATEMENT showing the particulars of cultivation, revenue demand and remission under the Kurnool-Cuddapah canal in the district of Kurnool for fasli 1307.

FORM A.—*Vide* Board's Proceedings, dated 8th July 1889, No. 338 (R.S., L.R. and Agri.).

Particulars.		Extent.	Rate.	Demand.	Remissions.			Net demand.
					Failure of crops by excess or deficiency of water.	Other causes.	Total.	
1		2	3	4	5	6	7	8
		Acs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1. Single wet crop irrigated.	Flow.	9,208·48	4 0 0	36,833 15 0	..	104 13 1	104 13 1	36,729 1 11
	Lift.	58·08	3 0 0	174 15 0	..	..	..	174 15 0
2. Second wet crop irrigated.	Flow.	1,638·81	3 0 0	4,917 2 8	1 10 5	56 9 10	58 4 3	4,858 14 5
	Lift.	35·34	2 4 0	79 8 5	..	..	..	79 8 5
	Flow.	146·72	4 0 0	586 14 1	..	9 5 11	9 5 11	577 8 2
	Lift.	..	..	..	..	..	..	..
3. If compounded for two crops for a term not less than five years.	Flow.	1·05	..	6 4 10	..	..	..	6 4 10
	Lift.	..	..	..	..	..	..	..
4. Sugar-cane, betel, plantains and other garden produce.	Flow.	169·69	6 0 0	1,018 2 2	..	..	..	1,018 2 2
	Lift.	2·50	4 8 0	11 4 0	..	..	..	11 4 0
5. Single dry crop ..	Flow.	5,511·94	1 0 0	5,512 0 11	..	..	..	5,512 0 11
	Lift.	31·35	0 12 0	23 8 2	..	..	..	23 8 2
6. Second dry crop ..	Flow.	1,063·17	1 0 0	1,063 2 9	..	..	..	1,063 2 9
	Lift.	8·61	0 12 0	6 7 4	..	..	..	6 7 4
7. Dry crops whether first or second crop grown on land for which irrigation has never been supplied or if supplied discontinued.	Flow.	..	..	..	..	..	..	..
	Lift.	..	..	..	..	..	..	..
8. Garden crops class 2 of the Madras Irrigation Canal Company's rules.	Flow.	3,724·60	3 0 0	11,173 12 9	..	9 10 7	9 10 7	11,164 2 2
	Lift.	90·66	2 4 0	203 15 9	..	..	..	203 15 9
9. Mundlavari ..	Flow.	3,393·16	2 0 0	6,786 5 1	..	..	..	6,786 5 1
	Lift.	12·38	..	18 9 1	..	0 13 8	0 13 8	17 11 5
10. Canal A and B class lands ..		155·44	..	426 10 6	..	..	..	426 10 6
11. Lands given on favourable terms under paragraph 2 of G.O., No. 448-I., dated 6th June 1882		330·59	..	858 11 2	..	26 10 5	26 10 5	832 0 9
12. Lands given on favourable terms under paragraph 3 of G.O., No. 448 I., dated 6th June 1882		926·29	..	1,447 15 5	..	9 8 4	9 8 4	1,438 7 1
13. Water supplied to the indigo-vats		..	..	..	..	..	..	..
14. Canal water supplied to tanks		..	..	5,394 1 0	..	..	..	5,394 1 0
15. Penalty		..	..	1,491 15 1	..	..	..	1,491 15 1
16. Water supplied to Kurnool Municipality		..	..	275 14 1	..	..	..	275 14 1
Grand Total ..		26,508·86	..	78,311 3 3	1 10 5	217 7 10	219 2 3	78,092 1 0

APPENDIX VIII—*cont.*

STATEMENT showing the particulars of cultivation, revenue demand and remission under the Kurnool-Cuddapah canal in the district of Cuddapah, fasli 1307.

FORM A.—*Vide* Board's Proceedings, dated 8th July 1889, No. 338 (R.S., L.R. and Agri.).

Description of crops.		Extent.	Water-rate.	Demand.	Remissions.			Net demand.
					Failure of crops by excess or deficiency of water.	Other causes.	Total.	
1		2	3	4	5	6	7	8
		ACS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1. Single wet crop on irrigated land.	Flow.	7,638·86	4 0 0	30,568 13 0	..	8 13 0	8 13 0	30,560 0 0
	Lift.	1·80	3 0 0	5 7 0	..	..	..	5 7 0
Penal rate, *i.e.*, 1½ times.	Flow.	375·69	6 0 0	2,254 7 0	..	..	..	2,254 7 0
	Lift.	2·47	4 8 0	11 3 0	..	..	..	11 3 0
2. Second crop on irrigated land ..	Flow.	50·0	1 8 0	75 0 0	..	..	..	* 75 0 0
3. Composition for two crops for a term of not less than five years.	Flow.	..	..	..	..	..	..	..
	Lift.	..	..	..	..	..	..	..
4. Sugar-cane, betel garden and other garden produce remaining on the ground for the time of two crops.	Flow.	129·70	6 0 0	778 8 0	..	..	..	778 8 0
	Lift.	0·97	4 8 0	4 6 0	..	..	..	4 6 0
Penal rate, *i.e.*, 1½ times ..		7·23	9 0 0	65 3 0	..	..	..	65 3 0
5 Single dry crops ..	Flow.	3,396·94	1 0 0	3,403 6 0	..	..	..	3,403 6 0
	Lift.	46·03	0 12 0	34 10 0	..	..	..	34 10 0
Penal rate, *i.e.*, 1½ times.	Flow.	597·93	1 8 0	900 0 0	..	..	..	900 0 0
	Lift.	32·57	1 2 0	36 12 0	..	..	..	36 12 0
Mundlapaddy ..	Flow.	48·79	2 0 0	97 12 0	..	..	..	97 12 0
6. Second dry crop if not compounded		..	..	..	..	..	..	..
7. Dry crops on lands for which irrigation has never been supplied, or if supplied discontinued		..	..	..	..	..	..	..
8. Garden crops (garden ragi, onions, chillies, sweet potatoes, tobacco, maize, garden korra, indigo, vegetables, wheat, cummin-seeds, bariga and menthulu) class 2 of Irrigation and Canal Company's Rules.	Flow.	6,349·33	3 0 0	19,053 14 0	..	..	..	19,053 14 0
	Lift.	246·41	2 4 0	554 15 0	..	..	..	554 15 0
Penal rates	Flow.	363·33	4 8 0	1,636 1 0	..	..	..	1,636 1 0
	Lift.	28·78	3 6 0	96 10 0	..	..	..	96 10 0
Indigo spoiled and charged at Re. 1.	Flow.	70·54	1 0 0	70 6 0	..	..	..	70 6 0
Indigo spoiled and charged at penal rate.	Flow.	3·48	1 8 0	5 4 0	..	..	..	5 4 0
9. Cowle and block rate lands.	Flow.	636·26	4 0 0	2,544 15 0	..	682 8 0	682 8 0	1,862 7 0
	,,	376·83	3 0 0	1,133 2 0	..	335 11 0	335 11 0	797 7 0
	,,	225·91	1 0 0	225 14 0	..	78 6 0	78 6 0	147 8 0
	Lift.	19·04	2 4 0	42 14 0	..	15 3 0	15 3 0	27 11 0
	,,	1·02	0 12 0	0 12 0	..	0 3 0	0 3 0	0 9 0
Penal rate	Flow.	5·11	6 0 0	30 11 0	..	1 1 0	1 1 0	29 10 0
	,,	0·64	4 8 0	2 14 0	..	0 12 0	0 12 0	2 2 0
10. Value of water supplied to Government tanks		..	..	1,460 7 9	..	..	..	1,460 7 9
Total ..		20,655·66	..	65,094 2 9	..	1,122 9 0	1,122 9 0	63,971 9 9

* This is the charge on the second crop cultivation at a compounded rate of Rs. 1-8-0 to be paid in all years in the village of Krishnapuram as per Board's Proceedings, No. 20, dated 11th January 1894.

Exd. W. D'Moss.

Statement comparing the areas irrigated under, the revenue derived from, and the working expenses incurred on irrigation works during 1897-98 with those of the previous year.

	Area charged as irrigated (First and Second crop) Fasli 1307 (1897-98)	Area charged as irrigated Fasli 1306 (1896-97)	Irrigation revenue Fasli 1307 (1897-98)	Irrigation revenue Fasli 1306 (1896-97)	Gross working expenses, 1897-98: Extensions and improvements	Maintenance and repairs	Establishment	Tools and plant	Indirect charges	Total	Gross working expenses, 1896-97
	acres	acres	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Chingleput											
Madurantakam tank	6,318	6731	11,597	14,306	826	4,657	1,261	82	176	7,002	5,564
South Arcot											
Mayorenady, Kattumadur anicut	570	534	2,372	2,239	"	"					
Gadilam river: 1. Tiruvadi anicut	9,369	} 12829	36,541	} 51,267	"	1369	} 721	} 47	} 101	} 4,002	} 8,955
Gadilam river: 2. Vanamadevi anicut	1,031		4,975		"	~~512~~ 513					
Gadilam river: 3. Tiruvendipuram anicut	2,708		10,934		362	496					
Kullar river, Vikravandi anicut	2,437	2412	8,209	8,444	10	383					
Tinnevelly											
Tambraparni river, Six anicuts	71,555	71,121	4,21,988	4,29,511	416	2135	587	38	82	3,258	35,150
Total	1,76,971	164012	7,02,450	6,52,058	2943	18,493	4,930	321	690	27,377	55,763
Class IV – (a) Minor works, Public Works Department.											
Ganjam	57,924	36,595	80,825	1,229	3,964	9,745	2868	187	402	17,166	14,831
Vizagapatam	62,625	47,195	1,06,705	60,803	3,346	12,189	4,251	277	595	20,658	64,530
Godavari	50,181	32,940	99,659	39,773	14,335	37,893	13,377	901	1,873	68,379	57,3[illegible]
Kistna	13,183	8,262	34,354	11,839	20,756	36,417	11,742	764	1,644	71,323	1,27,328
Nellore	72,302	98,797	2,17,157	3,39,799	17,167	25,506	10,133	665	1,419	54,890	1,12,383
Cuddapah	82,475	70,355	2,67,060	1,96,618	3,386	22,721	45,709	2981	6,399	81,196	35,943
Kurnool	26,254	17,710	78,471	35,393	1,641	[illegible]25	13,591	886	1,903	36,146	17,677

Poiney anicut System	28,207	23,708	87,336	74,105	2498	2000	1536	"	215	8249	11,679
Cheyaru anicut System	32,505	37,002	72,001	90,989	2000	9238	2614	"	366	14,218	28,067
Chembrambakam tank System	15,691	15,237	43,620	45,875	"	4135	958	"	134	5227	4748
Madras water supply and Irrigation extension	10,387	9743	22,235	20,798	"	4305	2367	"	331	7083	10,009
Vallura anicut System	5306	5243	8386	8283	200	470	154	"	22	846	741
Tirukkoyilur anicut System	26,022	25,251	93,776	97,517	3024	8083	2586	"	362	14,055	9093
Mekamattur anicut System	4020	3549	16,355	15,141	116	1604	398	"	56	2174	3479
Vriddhachalam anicut System	6522	6382	24,188	24,416	161	2202	566	"	79	3008	5198
Shatiatope anicut System	33,712	33,196	111,618	111,741	859	9374	2390	"	335	12,958	16,718
Pelandorai anicut System	10,212	9391	35,474	34,202	2886	7937	2304	"	319	13,446	17,702
Lower Coleroon anicut System	112,938	108,886	397,308	383,064	2900	17,209	4531	− 2	634	25,272	31,115
Nandyar Channel	7176	5508	20,104	15,561	"	3404	637	38	89	4168	2201
Maladur anicut System	34,135	33,908	186,978	186,112	142	8909	1968	"	275	11,294	21,456
Total	535,813	523,424	1769,795	1727,509	24,477	139,309	38,867	36	5436	208,125	254,446
Class III – Minor works. Works for which a Continuous record of expenditure is kept.											
Vizagapatam											
Sarada river	21,572 ~~215112~~	13,901	32,327	2397	67	1164 }	1373	90	192	7625	401
Varaha river	13,045	8553	23,928	5606	306	4433					
Salem											
Pennagundapuram tank	860	681	1456	235		182 }	276	18	39	1535	1594
Marandahally project	"		"		956	114					
Coimbatore											
Amaravati, twenty-two channels	47,566	47,251	148,123	146,353	"	3097	712	46	100	3955	4099

Class I – Major works.											
Productive											
Godavari delta System	799,435	739,849	3037,567	2679,408	12,557	200,597	237,877	46,221	33,310	530,562	560,911
Kistna do do	520,373	482,633	2357,209	2059,375	11,265	303,649	216,602	58,047	30,368	619,931	741,027
Pennar anicut System	70,484	68,153	260,297	250,665	804	14,463	20,081	"	2811	42,159	47,216
Sangam do do	76,277	79,786	301,814	311,805	4123	25,033	24,769	93	7055	61,073	67,543
Kurnool – Cuddapah Canal	47,164 ~~47,005~~	87,226	141,787 ~~150,124~~	174,741 ~~153,744~~	7718	71,955	31,401	1066	4396	116,536	89,637
Barur tank project	4421	4440	11,622	11,533	662	1369	1164	"	176	3371	3835
Cauvery delta System	989,808	977,123	4228,783	4177,693	14,463	67,660	270,710	−4104	37,900	386,629	418,734
Srivaikuntam anicut System	41,668	40,147	189,738	184,114	1418	21,069	16,388	"	2295	41,170	83,209
Periyar project	89,143	63,751	361,756	266,480	2636	66,998	27,841	530	3898	101,903	58,227
Protective											
Rushikulya project	67,318	63,327	113,652	108,106	"	26,348	6138	373	859	33,718	40,772
Total	~~2705,445~~ 2706,071	2666,435	~~11012,562~~ 11004,225	~~10182,923~~ 10223,920	55,646	803,141	852,971	102,226	123,068	1937,052	2110,511
Class II – Minor works. Works for which Capital and Revenue Accounts are kept.											
Ganjam minor rivers System	62,541	64,001	123,984	118,026	"	20,511	4740	"	664	25,915	11,491
Dondapad tank project	"	"	}		"	533	123	"	17	673	"
Cumbum tank System	8192	8119	36,176	33,192	−36	528	28	"	4	524	1015
Thadapalli Channel System	14,777	14,931	102,956	104,171	394	4530	1138	"	159	6221	9070
Arkenkota Channel System	4134	4126	27,902	27,409	999	3000	923	"	129	5051	2557
Kalingarayan Channel System	21,516	21,516	[illegible]5376	105,003	124	4488	1239	"	173	6524	6784
Palar anicut System	97,820	93,727	254,022	237,904	8210	[illegible]049	7667	"	1073	41,299	61,293

13-3-98

	72453	31098	222198	62737	36749	[illegible]301	53758	3503	7526	145837	104645
	40406	31664	179392	155383							
West Coast	"	"	"	"	"	3072	707	46	99	3921	2356
Salem	61804	58218	147934	136200	588	39177	9289	595	1300	50949	72088
Coimbatore	49314	48206	179087	174479	23387	10429	7737	504	1083	43140	41255
North Arcot	78377	81292	210214	217698	9751	41013	11566	747	1619	64696	81660
Chingleput	217579	272063	435096	588698	17504	80087	22394	1456	3135	124576	179300
South Arcot	90218	92118	292427	305951	12366	60137	16115	1048	2256	91922	99227
Tanjore	19727	19625	45412	46362	39	19607	4448	290	623	25007	-157749
Trichinopoly	108545	106841	42[illegible]06	429785	15130	12731	6336	410	887	35494	2[illegible]151
Madura	70568	68502	[illegible]19670	216649	13[illegible]	32354	10086	657	1412	57980	10886[illegible]
Tinnevelly	88201	88276	360012	357820	11451	69503	17328	1125	2426	101833	139[illegible]
Total	1262136	1209757	3628779	3377216	205031	575007	261435	17042	36601	1095116	1381687
(c) Minor works, Revenue Department											
Ganjam	61479	40832	71095	9722	"	20000	"	"	"	20000	18517
Vizagapatam	95906	60993	148086	54356	2919	21759	606	39	85	25408	16760
Godavari	57679	30827	88765	8632	1602	17[illegible]02	438	29	61	19332	27694
Kistna	28718	24814	89483	64848	"	14852	"	"	"	14852	16351
Nellore	30161	40010	63838	111393	1879	21817	579	37	81	24393	20431
Cuddapah	182445	154975	455631	322496	"	27468	-7	"	-1	27460	32791
Kurnool	~~109175~~ 34548	24568	94435	47033	"	11027	681	44	95	11847	11231
Anantapur	~~34548~~ 109175	71996	262602	144925	"	18760	"	"	"	18760	27826
Bellary	32788	23990	80127	48275	"	7942	"	"	"	7942	6865
West Coast	"	"	"	"	"	30	"	"	"	30	480

Salem	154192	147010	275228	253677	"	21030	730	48	102	21910	19669
Coimbatore	18645	18057	47658	46877	"	4500	219	14	31	4764	3634
North arcot	219089	222632	558358	550137	1061	36896	329	21	46	38353	57885
Chingleput	103823	133160	170627	250690	"	23769	"	"	"	23769	26268
Presidency	"	"	"	"	"	1079	"	"	"	1079	660
South Arcot	234181	238741	694417	728242	3181	51082	958	62	134	55417	65262
Tanjore	38673	38708	79466	80634	"	6572	99	6	14	6691	6493
Nizapatam	"	"	"	"	"	"	"	"	"	"	114
Trichinopoly	64757	57574	117798	115921	4557	14686	1062	69	149	20523	21369
Madura	96129	107429	247268	273644 362	200	19920	234	15	33	20402	18143
Tinnevelly	129514	142284	418264	471632	1857	30414	445	29	62	32809	37830
Total	1691902	1578617	3963146	3582864	17258	370805	4373	413	892	395741	435973
Total Class IV works	2954038	2788374	7571925	6960080	222289	943812	267808	17488	37493	1490857	1817660
Grand Total	~~6372737~~ 6372893	6082245	~~21076732~~ 21068395	~~19522570~~ 19563567	305388	1906755	1164576	120038	166687	3663411	4238380

W. Hughes.

Chief Engineer for Irrign: