Public Works (1898) Department.

G.O., No. 834/835 I

DATED 28th October 98.

Urgent

Despatch Abstract.

Statistical Statements, III E, & IV E

Despatching herewith the Advance Copies of the Revenue Statistical Statements, III E & IV E for 1897-98, received from the Board of Revenue, to be forwarded to the Secretary of State.

Forwarding Advance Copies of the Statistical Statements for 1897-98 received from the Board of Revenue.

(P)

Indexed.

[P. W. 36. 1,000—12-2-98.]

## BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
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## FURTHER PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

IRRIGATION.

# Government {1898} of Madras.

## PUBLIC WORKS.

*Recd.* } 1898. *Enclosures*

*Regd.* } *Spare copies*

**G.O., Nos. 834, 835 I., 28th October 1898.**

**OCTOBER.**

**Statistical Statements III-E and IV-E**

Forwarding advance copies of the — for 1897-98, received from the Board of Revenue.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Irrigation.**

READ—the following papers:—

Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), Mis. No. 6001, dated 8th October 1898.

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*Read*—the following papers:—

From the Acting Chief Engineer for Irrigation, dated 1st October 1898, No. 309 M.

Telegram from the Collector of Anantapur, dated 7th October 1898, stating that the statement IV-E will be submitted on the 20th instant.

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*Resolution*—Mis. No. 6001, dated 8th October 1898.

The Board resolves to forward to the Chief Engineer for Irrigation the accompanying Statistical Statements III-E and IV-E for 1897–98. The former statement does not include statistics relating to Kurnool-Cuddapah canal; nor the latter, those relating to Anantapur district, as the necessary returns have not yet been received from the Collectors of Cuddapah and Anantapur. The Collector of the latter district has wired that the return will be submitted on the 20th instant. Supplemental statements in regard to III-E and IV-E will be forwarded on receipt of information from these two districts.

(True Extract.)

(Signed) R. V. SRINIVASIAR,
Secretary.

[*Statements.*



APPENDIX I.

COMPARATIVE statement of rainfall in each district.

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

APPENDIX II.

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

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

APPEN

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| | | | | 1 | Rushikulya project .. .. | 104,209 | 104,209 |
| | | | | 2 | Ganjám minor rivers system .. | 52,849 | 52,849 |
| Ganjám .. | 5,356,160 | 590,859 | 479,105 | 3 (a) | Petty works in charge of Public Works Department .. .. | 44,451 | 44,451 |
| | | | | (b) | Petty works in charge of Revenue Department .. .. | 116,508 | 116,508 |
| | | | | | Total .. | 318,017 | 318,017 |
| | | | | 1 (a) | Petty works in charge of Public Works Department .. .. | 56,127 | 55,148 |
| Vizagapatam .. | 11,035,181 | 353,237 | 235,431 | (b) | Petty works in charge of Revenue Department .. .. .. | 52,888 | 51,584 |
| | | | | | Total .. | 109,015 | 106,732 |
| | | | | 1 | Gódávari anikat .. .. .. | 612,000 | 646,518 |
| | | | | 2 | Kistna anikat .. .. .. | 39,276 | 39,276 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. .. | 49,344 | 44,625 |
| Gódávari .. | 5,028,480 | 1,700,070 | 1,028,646 | (b) | Petty works in charge of Revenue Department .. .. | 50,895 | 47,614 |
| | | | | | Total .. | 751,515 | 778,033 |
| | | | | 1 | Kistna anikat .. .. .. | 820,000 | 475,000 |
| | | | | 2 | Gódávari anikat .. .. .. | 6,898 | 6,898 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. .. | 102,099 | 22,680 |
| Kistna .. | 5,438,720 | 3,064,512 | 2,194,084 | (b) | Petty works in charge of Revenue Department .. .. | 27,170 | 26,159 |
| | | | | | Total .. | 956,167 | 530,737 |
| | | | | 1 | Pennér anikat .. .. .. | 140,769 | 106,146 |
| | | | | 2 | Sangam ,, .. .. .. | 81,704 | 71,359 |
| | | | | 3 | Kistna ,, .. .. .. | 1,221 | 1,221 |
| | | | | 4 (a) | Petty works in charge of Public Works Department .. .. | 100,810 | 88,634 |
| Nellore .. | 5,609,600 | 1,964,875 | 1,094,682 | (b) | Petty works in charge of Revenue Department .. .. | 36,138 | 32,157 |
| | | | | | Total .. | 360,642 | 299,517 |
| | | | | 1 | Kurnool-Cuddapah canal .. | 37,309 | 19,505 |
| | | | | 2 (a) | Petty works in charge of Public Works Department .. .. | 61,404 | 55,926 |
| Cuddapah .. | 5,582,760 | 2,413,380 | 1,586,665 | (b) | Petty works in charge of Revenue Department .. .. | 147,308 | 126,610 |
| | | | | | Total .. | 246,021 | 202,041 |
| | | | | 1 (a) | Petty works in charge of Public Works Department .. .. | .. | .. |
| Anantapur .. | * | .. | .. | (b) | Petty works in charge of Revenue Department .. .. | .. | .. |
| | | | | | Total .. | .. | .. |
| | | | | 1 (a) | Petty works in charge of Public Works Department .. .. | 34,704 | 35,611 |
| Bellary .. | 3,762,781 | 2,817,453 | 2,146,624 | (b) | Petty Works in charge of Revenue Department .. .. | 22,091 | 21,482 |
| | | | | | Total .. | 56,795 | 57,093 |
| | | | | 1 | Kurnool-Cuddapah canal .. | 50,000 | 30,000 |
| | | | | 2 | Cumbum tank .. .. .. | 6,111 | 6,111 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. .. | 29,572 | 29,572 |
| Kurnool .. | 4,972,160 | 2,507,986 | 1,835,560 | (b) | Petty works in charge of Revenue Department .. .. | 30,378 | 27,303 |
| | | | | | Total .. | 107,061 | 83,986 |

* Figures for Anantapur will follow.



DIX III.

the year 1897–98 in the Madras Presidency.

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

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| Chingleput .. | 1,978,965 | 952,033 | 659,898 | 1 | Pálár anikat .. .. .. | 23,243 | 23,120 |
| | | | | 2 | Chembrambakkam tank .. | 13,127 | 13,127 |
| | | | | 3 | Madras water supply and irrigation extension project .. | 7,367 | 7,069 |
| | | | | 4 | Vallur anikat .. .. | 5,495 | 5,199 |
| | | | | 5 (a) | Petty works in charge of Public Works Department .. | 252,412 | 236,362 |
| | | | | (b) | Petty works in charge of Revenue Department .. | 134,021 | 127,020 |
| | | | | | Total .. | 435,665 | 411,897 |
| North Arcot.. | 4,713,871 | * | * | 1 | Palar anikat .. .. .. | 47,454 | 50,922 |
| | | | | 2 | Cheyaru anikat .. .. .. | 19,900 | 19,855 |
| | | | | 3 | Poiney anikat .. .. .. | 18,388 | 21,273 |
| | | | | 4 (a) | Petty works in charge of Public Works Department .. | 75,385 | 74,665 |
| | | | | (b) | Petty works in charge of Revenue Department .. | 183,202 | 170,703 |
| | | | | | Total .. | 344,329 | 337,418 |
| South Arcot .. | 3,338,230 | 2,015,079 | 1,456,961 | 1 | Pelandorai anikat .. .. | 6,972 | 6,824 |
| | | | | 2 | Lower Coleroon anikat .. .. | 78,846 | 77,735 |
| | | | | 3 | Shatiatope anikat .. .. | 26,497 | 25,005 |
| | | | | 4 | Vriddhachalam anikat .. .. | 5,747 | 5,606 |
| | | | | 5 | Mehmattur anikat .. .. | 3,620 | 3,610 |
| | | | | 6 | Tirukkóyilúr anikat .. .. | 21,473 | 20,749 |
| | | | | 7 (a) | Petty works in charge of Public Works Department .. | 98,009 | 92,434 |
| | | | | (b) | Petty works in charge of Revenue department .. | 216,986 | 186,367 |
| | | | | | Total .. | 458,150 | 418,330 |
| Tanjore .. | 2,371,724 | 1,668,781 | 1,273,606 | 1 | Cauvery upper anikat .. | 868,342 | 1,196,145 |
| | | | | 2 | Lower Coleroon anikat .. | 55,969 | 23,415 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. | Not available | 22,392 |
| | | | | (b) | Petty works in charge of Revenue Department .. | Do. | 36,697 |
| | | | | | Total .. | 924,311 | 1,278,649 |
| Trichinopoly .. | 3,028,480 | 1,434,961 | 934,833 | 1 | Cauvery upper anikat .. | 51,197 | 43,924 |
| | | | | 2 | Nandyar channel .. .. | 7,479 | 4,431 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. | 89,383 | 75,641 |
| | | | | (b) | Petty works in charge of Revenue Department .. | Not available | 43,680 |
| | | | | | Total .. | 148,059 | 167,676 |
| Madura .. | 5,640,462 | 1,442,273 | 1,009,253 | 1 | Periyár project .. .. | 107,650 | 76,445 |
| | | | | 2 (a) | Petty works in charge of Public Works Department .. | 46,968 | 46,230 |
| | | | | (b) | Petty works in charge of Revenue Department .. | 86,070 | 83,005 |
| | | | | | Total .. | 240,688 | 205,680 |
| Tinnevelly .. | 3,448,859 | 1,761,039 | 1,145,900 | 1 | Srivaikuntam anikat .. .. | 20,362 | 20,362 |
| | | | | 2 | Marudur anikat .. .. | 17,715 | 17,715 |
| | | | | 3 (a) | Petty works in charge of Public Works Department .. | 102,107 | 100,292 |
| | | | | (b) | Petty works in charge of Revenue Department .. | 86,720 | 86,095 |
| | | | | | Total .. | 226,904 | 224,464 |

* Figures for these columns will follow.



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

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| Coimbatore .. | 5,030,420 | 3,939,240 | 2,266,851 | 1 | Thadapalli channel .. .. | 13,738 | 13,397 |
| | | | | 2 | Arkankottai .. .. .. | 4,119 | 4,019 |
| | | | | 3 | Kalingarayan anikat .. .. | 9,026 | 11,230 |
| | | | | 4 (a) | Petty works in charge of Public Works Department .. .. | 63,332 | 66,807 |
| | | | | (b) | Petty works in charge of Revenue Department .. .. | 9,703 | 8,412 |
| | | | | | Total .. | 99,817 | 94,865 |
| Salem .. | 4,818,379 | 1,797,813 | 1,287,529 | 1 | Barur tank project .. .. | 8,397 | 7,598 |
| | | | | 2 (a) | Petty works in charge of Public Works Department .. .. | 38,245 | 29,459 |
| | | | | (b) | Petty works in charge of Revenue Department .. .. | 98,629 | 93,075 |
| | | | | | Total .. | 137,271 | 130,162 |
| Grand Total.. | 81,155,232 | 29,523,531 | 20,635,628 | .. | Total of first and second class works .. .. .. | 3,294,468 | 3,258,067 |
| | | | | .. | Total of third and fourth class works .. .. .. .. | 2,525,959 | 2,390,430 |
| | | | | | Total .. | 5,820,427 | 5,648,497 |



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

| Area irrigated in acres. | | | | | | Rainfall in inches. | |
|---|---|---|---|---|---|---|---|
| 1896-97. | | | 1897-98. | | | 1896-97. | 1897-98. |
| Kharif, first crop. | Rabi, second crop. | Total. | Kharif, first crop. | Rabi, second crop. | Total. | | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| ACS. | ACS. | ACS. | ACS. | ACS. | ACS. | INCHES. | INCHES. |
| 13,821 | 167 | 13,988 | 13,451 | 502 | 13,953 | 29·18 | 27·43 |
| 4,050 | 19 | 4,069 | 3,840 | 252 | 4,092 | | |
| 11,185 | 9,259 | 20,444 | 11,230 | 9,130 | 20,360 | | |
| 57,464 | 18,312 | 75,776 | 59,291 | 20,160 | 79,451 | | |
| 10,821 | 3,191 | 14,012 | 8,267 | 3,209 | 11,476 | | |
| 97,341 | 30,948 | 128,289 | 96,079 | 33,253 | 129,332 | 29·18 | 27·43 |
| 2,459 | 1,059 | 3,518 | 2,652 | 887 | 3,539 | 31·77 | 36·29 |
| 22,782 | 9,492 | 32,274 | 25,360 | 11,472 | 36,832 | | |
| 77,193 | 23,134 | 100,327 | 85,347 | 29,306 | 114,653 | | |
| 102,434 | 33,685 | 136,119 | 113,359 | 41,665 | 155,024 | 31·77 | 36·29 |
| 2,592,996 | 442,731 | 3,035,727 | 2,736,334 | 404,758 | 3,141,092 | 32·91 | 33·01 |
| 2,065,801 | 560,676 | 2,626,477 | 2,140,319 | 600,282 | 2,740,601 | | |
| 4,658,797 | 1,003,407 | 5,662,204 | 4,876,653 | 1,005,040 | 5,881,693 | 32·91 | 33·01 |

## APPENDIX IV.

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

| Name of system. | Description. | | | | | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Paddy. | | Ragi. | | Other crops. | | Area irrigated. | Estimated value. |
| | Area irrigated. | Estimated value. | Area irrigated. | Estimated value. | Area irrigated. | Estimated value. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| *Class I.—Works.* | ACS. | RS. | ACS. | RS. | ACS. | RS. | ACS. | RS. |
| 1. Gódávari Delta | 665,885 | 3,37,15,663 | 4,544 | 69,044 | 122,074 | 21,58,916 | 792,503 | 3,62,83,723 |
| 2. Kistna do. | 510,323 | 1,84,87,434 | 1,794 | 17,805 | 4,841 | 1,61,205 | 516,958 | 1,86,67,234 |
| 3. Cauvery do. | 899,171 | 2,93,24,096 | 26,158 | 2,56,297 | 32,530 | 4,87,697 | 957,859 | 3,00,68,090 |
| 4. Pennár anikat | 62,488 | 16,66,024 | 849 | 9,673 | 3,499 | 14,319 | 66,737 | 16,90,016 |
| 5. Sangam do. | 65,356 | 17,26,933 | 1,166 | 12,091 | 4,231 | 29,753 | 70,697 | 17,78,777 |
| 6. Srivaikuntam do. | 36,567 | 6,71,416 | 68 | 377 | 1,282 | 8,337 | 37,857 | 6,80,130 |
| 7. Barur tank project | 2,979 | 1,00,513 | 277 | 3,152 | 363 | 3,192 | 3,619 | 1,06,857 |
| 8. Rushikulya do. | 67,462 | 16,66,217 | 1,313 | 8,344 | 606 | 23,814 | 69,380 | 16,87,375 |
| 9. Kurnool-Cuddapah canal | .. | .. | .. | .. | .. | .. | .. | 17,44,118 |
| 10. Periyár project | 76,142 | 16,44,646 | 3,275 | 26,663 | 5,627 | 72,885 | 85,044 | |
| *Class II.—Works.* | | | | | | | | |
| 11. Pálár anikat | 78,128 | 17,72,616 | 6,852 | 42,196 | 4,580 | 28,083 | 89,560 | 18,42,895 |
| 12. Pelandorai do. | 9,163 | 1,93,245 | 247 | 3,234 | 330 | 12,337 | 9,740 | 2,08,736 |
| 13. Chembrambakkam tank | 12,560 | 2,60,355 | 712 | 4,205 | 1,561 | 47,057 | 14,833 | 2,51,177 |
| 14. Madras water-supply and irrigation extension project. | 8,780 | 1,63,412 | 746 | 5,809 | 433 | 2,839 | 9,959 | 1,72,780 |
| 15. Cumbum tank | 5,199 | 1,58,184 | 432 | 4,585 | 2,800 | 33,317 | 8,431 | 1,96,087 |
| 16. Thándapalli channel | 13,973 | 5,62,620 | 41 | 361 | 741 | 32,928 | 14,755 | 5,95,913 |
| 17. Arakankottai do. | 4,066 | 1,83,763 | 6 | 60 | 58 | 1,753 | 4,130 | 5,95,573 |
| 18. Kalingarayan do. | 16,626 | 6,98,149 | 1,921 | 17,556 | 1,967 | 1,30,409 | 20,454 | 8,46,114 |
| 19. Vallur anikat | 3,815 | 47,770 | 256 | 1,176 | 537 | 1,436 | 4,608 | 50,382 |
| 20. Cheyaru do. | 21,502 | 5,10,515 | 3,204 | 20,026 | 1,383 | 9,183 | 26,089 | 5,39,724 |
| 21. Poiney do. | 20,586 | 4,96,933 | 4,055 | 25,949 | 1,778 | 20,343 | 26,419 | 5,43,225 |
| 22. Lower Coleroon do. | 107,731 | 23,52,575 | 1,828 | 28,726 | 2,011 | 27,221 | 111,570 | 24,03,022 |
| 23. Shatiatope do. | 29,402 | 7,27,555 | 2,067 | 23,195 | 1,157 | 18,715 | 32,626 | 7,68,465 |
| 24. Vriddhachalam do. | 5,899 | 1,66,788 | 218 | 3,089 | 191 | 6,408 | 6,308 | 1,77,176 |
| 25. Mehmattur do. | 3,700 | 1,37,316 | 30 | 1,364 | 225 | 2,304 | 3,955 | 1,50,984 |
| 26. Marudur do. | 28,475 | 5,87,644 | 238 | 1,510 | 2,167 | 18,713 | 30,880 | 6,07,867 |
| 27. Tirukkiyálúr do. | 22,120 | 4,76,974 | 1,942 | 21,640 | 1,189 | 22,994 | 25,251 | 5,21,608 |
| 28. Gunjám minor rivers system | 54,499 | 20,19,626 | 1,645 | 13,449 | 6,208 | 28,176 | 62,352 | 20,60,252 |
| 29. Nandyar channel | 4,606 | 1,18,154 | 1,199 | 11,230 | 1,186 | 29,539 | 6,991 | 1,69,923 |
| Total | 2,836,657 | 9,07,55,926 | 61,200 | 6,53,437 | 206,194 | 24,60,532 | 3,104,251 | 9,45,69,895 |

No. 270 I.

Submitted to Government.

20th October 1898. (Signed) W. HUGHES,
Chief Engineer for Irrigation.



ORDER—No. 834 I., dated 28th October 1898.

The advance copies of the Statistical Statements III-E and IV-E received from the Board of Revenue will be forwarded to the Government of India, in conformity with its letter No. 2 I., dated 3rd January 1898, printed with G.O., No. 48 I., dated 20th January 1898.

[Here enter No. 835 I., dated 28th October 1898.]

(True Extract.)

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

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

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ENDORSEMENT—No. 835 I., dated 28th October 1898.

Forwarded.

(By order.)

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

Rd. T. K. Narayana Aiyangar.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Proceedings of the Board of Revenue (Settlement, Land Records, and Agriculture) No. 6001 Miss: dated 8th October 1898.

No 2702 dy 20.10.98

Submitted to Government.

Order thereon No: 8342 1928.10.98

The advance copies of the statistical statements III E, and IV E, received from the Board of Revenue will be forwarded to the Government of India, in conformity with its letter No. 2. I. dated 3rd January 1898 printed with G. O. No. 48. I. dated 20th January 98

These statements shd be with the Govt of India by 1st Nov 98. a printed copy of the Statements from the Bd is put up.

Endorsement No: 835 I &
Forwarded. 28.10.98.

To. The Chief Engineer for Irrign:
" Supg: Engineers
" Examiner P. W. Accounts.
" Revenue Department
18.10.98.

# Public Works (1898) Department.

**CURRENT No.** 428 M

Urgent

*From* The Board of Rev. Rev. Settlement etc.

*Order*

**No.** 6001 Mis

*Dated* 8 Oct 98

*Received* 10 do

*Registered*

*Enclosures* 2 Statts.

*Spare copies*

**SUBJECT.**

Annual Statements III E and IV E for 97-98 - Forwarding with remarks.

Read 11.10.98.

H.E.J.

10/10

lace 10/10/98

M 8

E. I. Form No. 1—1,000—21-4-98.

BACK PAPERS.

| No. | Date. |
|---|---|
| 2309 M. | of 98 |

FURTHER PAPERS.

| No. | Date. |
|---|---|
| | |

(Sett. 10—1,300—27-5-98.)

1898.

# Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

**MADRAS.**

From

The Chief Engineer for Irrigation

Madras.

**No. of Enclosures.**

Proceedings, dated 8th October 1898.

No. 6001 Mis.

***Subject.***

Forwarding to the Chief Engineer for Irrigation statistical statements III & and IV - & for '97-'98.

(Sett. 12—2,000—26-5-98.)

REVENUE BOARD OFFICE
MADRAS

# Proceedings of the Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

*Dated* 8th October 1898.

No. 6001 mis.

CHIEF ENGINEER FOR IRRIGATION
10 OCT. 1898
No. 428 M

READ ..... letter from J.C. Larminie Esq. Acting Chief Engineer for Irrigation, Madras, no. 309 M. dated 1st October '98.

Read also telegram from the Collector of Anantapur, dated 7th October '98, stating that the statement IV E will be submitted on the 20th instant.

Resolution

The Board resolves to forward to the Chief Engineer for Irrigation, the accompanying statistical statements

III-E.

III-E. and IV-E for 1897-98. The former statement does not include statistics relating to Kurnool-Cuddapah canal, nor the Cattak, those relating to Anantapur District, as the necessary returns have not yet been received from the Collectors of Cuddapah and Anantapur. The collector of the Cattak district has advised that the returns will be submitted on the 20th instant. Supplemental statements in regard to III-E and IV-E will be forwarded on receipt of information from these two districts.

(True Extract)

P.V. Srinivasan
Secretary

To The chief Engineer for Irrigation
with statistical returns III-E & IV-E.

Ou. 5.3
8820/98

Wad
22/x

# Public Works (1898) Department.

Received 22/10/98
Sent 26/10/98

CURRENT No. 8820

**Order**

**From** The Chief Engineer for Irrigation

No. 270-I

**Dated** 20-10-98.

**Received** } 22-10-98
**Registered** }

**Enclosures** 3

**Spare copies**

SUBJECT.

Submitting statistical statements III E and IV E

BACK PAPERS.

| No. | Date. |
|---|---|
| | |

FURTHER PAPERS.

| No. | Date. |
|---|---|
| | |

## APPENDIX I.

COMPARATIVE statement of rainfall in each district.

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

## APPENDIX II.

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

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

APPEN

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| Ganjám .. | 5,356,160 | 590,859 | 479,105 | 1 | Rushikulya project .. .. | 104,209 | 104,209 |
| | | | | 2 | Ganjám minor rivers system .. | 52,849 | 52,849 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. .. | 44,451 | 44,451 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 116,508 | 116,508 |
| | | | | | Total .. | 318,017 | 318,017 |
| Vizagapatam .. | 11,035,181 | 353,237 | 235,431 | 1 (*a*) | Petty works in charge of Public Works Department .. .. | 56,127 | 55,148 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. .. | 52,888 | 51,584 |
| | | | | | Total .. | 109,015 | 106,732 |
| Gódávari .. | 5,028,480 | 1,700,070 | 1,028,646 | 1 | Gódávari anikat .. .. .. | 612,000 | 646,518 |
| | | | | 2 | Kistna anikat .. .. .. | 39,276 | 39,276 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. .. | 49,344 | 44,625 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 50,895 | 47,614 |
| | | | | | Total .. | 751,515 | 778,033 |
| Kistna .. | 5,438,720 | 3,064,512 | 2,194,084 | 1 | Kistna anikat .. .. .. | 820,000 | 475,000 |
| | | | | 2 | Gódávari anikat .. .. .. | 6,898 | 6,898 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. .. | 102,099 | 22,680 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 27,170 | 26,159 |
| | | | | | Total .. | 956,167 | 530,737 |
| Nellore .. | 5,609,600 | 1,964,875 | 1,094,682 | 1 | Pennér anikat .. .. .. | 140,769 | 106,146 |
| | | | | 2 | Sangam ,, .. .. .. | 81,704 | 71,359 |
| | | | | 3 | Kistna ,, .. .. .. | 1,221 | 1,221 |
| | | | | 4 (*a*) | Petty works in charge of Public Works Department .. .. | 100,810 | 88,634 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 36,138 | 32,157 |
| | | | | | Total .. | 360,642 | 299,517 |
| Cuddapah .. | 5,582,760 | 2,413,380 | 1,586,665 | 1 | Kurnool-Cuddapah canal .. | 37,309 | 19,505 |
| | | | | 2 (*a*) | Petty works in charge of Public Works Department .. .. | 61,404 | 55,926 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 147,308 | 126,610 |
| | | | | | Total .. | 246,021 | 202,041 |
| Anantapur .. | ~~6,515,807~~ | .. | .. | 1 (*a*) | Petty works in charge of Public Works Department .. .. | .. | .. |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | .. | .. |
| | | | | | Total .. | .. | .. |
| Bellary .. | 3,762,781 | 2,817,453 | 2,146,624 | 1 (*a*) | Petty works in charge of Public Works Department .. .. | 34,704 | 35,611 |
| | | | | (*b*) | Petty Works in charge of Revenue Department .. .. | 22,091 | 21,482 |
| | | | | | Total .. | 56,795 | 57,093 |
| Kurnool .. | 4,972,160 | 2,507,986 | 1,835,560 | 1 | Kurnool-Cuddapah canal .. | 50,000 | 30,000 |
| | | | | 2 | Cumbum tank .. .. .. | 6,111 | 6,111 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. .. | 20,572 | 20,572 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 30,378 | 27,303 |
| | | | | | Total .. | 107,061 | 83,986 |

× Figures for Anantapur will follow.



DIX III.

the year 1897–98 in the Madras Presidency.

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

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| Chingleput .. | 1,978,965 | 952,033 | 659,898 | 1 | Palar anikat .. .. .. | 23,243 | 23,120 |
| | | | | 2 | Chembrambakkam tank .. | 13,127 | 13,127 |
| | | | | 3 | Madras water supply and irrigation extension project .. | 7,367 | 7,069 |
| | | | | 4 | Vallur anikat .. .. | 5,495 | 5,199 |
| | | | | 5 (*a*) | Petty works in charge of Public Works Department .. | 252,412 | 236,362 |
| | | | | (*b*) | Petty works in charge of Revenue department .. | 134,021 | 127,020 |
| | | | | | Total .. | 435,665 | 411,897 |
| North Arcot . | 4,713,871 | × | × | 1 | Palar anikat .. .. .. | 47,454 | 50,922 |
| | | .. | .. | 2 | Cheyaru anikat .. .. | 19,900 | 19,855 |
| | | | | 3 | Poiney anikat .. .. .. | 18,388 | 21,273 |
| | | | | 4 (*a*) | Petty works in charge of Public Works Department .. | 75,385 | 74,665 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. | 183,202 | 170,703 |
| | | | | | Total .. | 344,329 | 337,418 |
| South Arcot .. | 3,338,230 | 2,015,079 | 1,456,961 | 1 | Pelandorai anikat .. .. | 6,972 | 6,824 |
| | | | | 2 | Lower Coleroon anikat .. .. | 78,846 | 77,736 |
| | | | | 3 | Shatiatope anikat .. .. | 26,497 | 25,005 |
| | | | | 4 | Vriddhachalam anikat .. .. | 5,747 | 5,606 |
| | | | | 5 | Mehmattur anikat .. .. | 3,620 | 3,610 |
| | | | | 6 | Tirukkoyilur anikat .. .. | 21,473 | 20,749 |
| | | | | 7 (*a*) | Petty works in charge of Public Works Department .. | 98,009 | 92,434 |
| | | | | (*b*) | Petty works in charge of Revenue department .. | 216,986 | 186,367 |
| | | | | | Total .. | 458,150 | 418,330 |
| Tanjore .. | 2,371,724 | 1,668,781 | 1,273,606 | 1 | Cauvery upper anikat .. | 868,342 | 1,196,145 |
| | | | | 2 | Lower Coleroon anikat .. | 55,969 | 23,415 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. | Not available | 22,392 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. | Do. | 36,697 |
| | | | | | Total .. | 924,311 | 1,278,649 |
| Trichinopoly .. | 3,028,480 | 1,434,961 | 934,833 | 1 | Cauvery upper anikat .. | 51,197 | 43,924 |
| | | | | 2 | Nandyar channel .. .. | 7,479 | 4,431 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. | 89,383 | 75,641 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. | Not available | 43,680 |
| | | | | | Total .. | 148,059 | 167,676 |
| Madura .. | 5,640,462 | 1,442,273 | 1,009,253 | 1 | Periyár project .. .. | 107,650 | 76,445 |
| | | | | 2 (*a*) | Petty works in charge of Public Works Department .. | 46,968 | 46,230 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. | 86,070 | 83,005 |
| | | | | | Total .. | 240,688 | 205,680 |
| Tinnevelly .. | 3,448,859 | 1,761,039 | 1,145,900 | 1 | Srivaikuntam anikat .. .. | 20,362 | 20,362 |
| | | | | 2 | Marudur anikat .. .. | 17,715 | 17,715 |
| | | | | 3 (*a*) | Petty works in charge of Public Works Department .. | 102,107 | 100,292 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. | 86,720 | 86,095 |
| | | | | | Total .. | 226,904 | 224,464 |

× × Figures for these columns will follow.



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

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

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

| Civil district. | Of the Civil district. | | | Works supplying irrigation. | | Culturable area commanded by the irrigation works in column 6 in acres. | Area at present estimated as annually irrigable by the works specified in column 6. |
|---|---|---|---|---|---|---|---|
| | Total area in acres. | Culturable area in acres. | Cultivated area in acres. | No. | Name. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | ACS. | ACS. |
| Coimbatore .. | 5,030,420 | 3,039,240 | 2,266,851 | 1 | Thadapalli channel .. .. | 13,738 | 13,597 |
| | | | | 2 | Arkankottai ,, .. .. | 4,118 | 4,019 |
| | | | | 3 | Kalingaroyan anikat .. .. | 9,026 | 11,230 |
| | | | | 4 (*a*) | Petty works in charge of Public Works Department .. .. | 63,232 | 60,807 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 9,703 | 8,412 |
| | | | | | Total .. | 99,817 | 98,065 |
| Salem .. | 4,818,379 | 1,797,813 | 1,287,529 | 1 | Barur tank project .. .. | 8,397 | 7,598 |
| | | | | 2 (*a*) | Petty works in charge of Public Works Department .. .. | 30,245 | 29,489 |
| | | | | (*b*) | Petty works in charge of Revenue Department .. .. | 98,629 | 93,075 |
| | | | | | Total .. | 137,271 | 130,162 |
| Grand Total.. | 81,155,232 | 29,523,531 | 20,635,628 | .. | Total of first and second class works .. .. .. .. | 3,394,468 | 3,258,067 |
| | | | | .. | Total of third and fourth class works .. .. .. .. | 2,525,959 | 2,390,430 |
| | | | | | Total .. | 5,920,427 | 5,648,497 |



| Area irrigated in acres. | | | | | | Rainfall in inches. | |
|---|---|---|---|---|---|---|---|
| 1896-97. | | | 1897-98. | | | 1896-97. | 1897-98. |
| Kharif first crop. | Rabi second crop. | Total. | Kharif first crop. | Rabi second crop. | Total. | | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| ACS. | ACS. | ACS. | ACS. | ACS. | ACS. | INCHES. | INCHES. |
| 13,821 | 167 | 13,988 | 13,451 | 502 | 13,953 | 29·18 | 27·43 |
| 4,050 | 19 | 4,069 | 3,840 | 252 | 4,092 | | |
| 11,185 | 9,259 | 20,444 | 11,230 | 9,130 | 20,360 | | |
| 57,464 | 18,312 | 75,776 | 59,291 | 20,160 | 79,451 | | |
| 10,821 | 3,191 | 14,012 | 8,267 | 3,209 | 11,476 | | |
| 97,341 | 30,948 | 128,289 | 96,079 | 33,253 | 129,332 | 29·18 | 27·43 |
| 2,459 | 1,059 | 3,518 | 2,652 | 887 | 3,539 | 31·77 | 36·29 |
| 22,782 | 9,492 | 32,274 | 25,360 | 11,472 | 36,832 | | |
| 77,193 | 23,134 | 100,327 | 85,347 | 29,306 | 114,653 | | |
| 102,434 | 33,685 | 136,119 | 113,359 | 41,665 | 155,024 | 31·77 | 36·29 |
| 2,592,996 | 442,731 | 3,035,727 | 2,736,334 | 404,758 | 3,141,092 | 32·91 | 33·01 |
| 2,065,801 | 560,676 | 2,626,477 | 2,140,319 | 600,282 | 2,740,601 | | |
| 4,658,797 | 1,003,407 | 5,662,204 | 4,876,653 | 1,005,040 | 5,881,693 | 32·91 | 33·01 |

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## APPENDIX IV.

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

| Name of system. | Description. | | | | | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Paddy. | | Ragi. | | Other crops. | | Area irrigated. | Estimated value. |
| | Area irrigated. | Estimated value. | Area irrigated. | Estimated value. | Area irrigated. | Estimated value. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | ACS. | RS. | ACS. | RS. | ACS. | RS. | ACS. | RS. |
| *Class I.—Works.* | | | | | | | | |
| 1. Gódávari delta .. .. | 665,885 | 2,27,15,663 | 4,544 | 89,044 | 122,074 | 21,58,016 | 792,503 | 2,49,62,723 |
| 2. Kistna do. .. .. | 510,323 | 1,86,87,434 | 1,794 | 17,805 | 4,841 | 1,61,995 | 516,958 | 1,88,67,234 |
| 3. Cauvery do. .. .. | 899,171 | 2,93,24,006 | 20,158 | 2,58,297 | 32,530 | 4,87,607 | 951,859 | 3,00,69,910 |
| 4. Pennêr anikat .. .. | 62,488 | 16,66,024 | 840 | 9,673 | 3,409 | 14,319 | 66,737 | 16,90,016 |
| 5. Sangam do. .. .. | 65,350 | 17,26,933 | 1,146 | 12,091 | 4,201 | 39,753 | 70,697 | 17,78,777 |
| 6. Srivaikuntam do. .. .. | 36,507 | 6,71,416 | 68 | 377 | 1,282 | 8,337 | 37,857 | 6,80,130 |
| 7 Barur tank project .. .. | 2,979 | 1,00,513 | 277 | 3,152 | 363 | 3,192 | 3,619 | 1,06,857 |
| 8. Rushikulya do. .. .. | 67,462 | 16,55,217 | 1,213 | 8,244 | 605 | 23,814 | 69,280 | 16,87,275 |
| 9. Kurnool-Cuddapah canal .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 10. Periyâr project .. .. | 76,142 | 16,44,646 | 3,275 | 26,662 | 5,627 | 72,805 | 85,044 | 17,44,113 |
| *Class II.—Works.* | | | | | | | | |
| 11. Pâlâr anikat .. .. | 78,128 | 17,72,610 | 6,852 | 42,196 | 4,580 | 28,083 | 89,560 | 18,42,889 |
| 12. Pelandorai do. .. .. | 9,163 | 1,93,245 | 347 | 3,234 | 330 | 12,257 | 9,840 | 2,08,736 |
| 13. Chembrambakkam tank .. | 12,560 | 2,00,255 | 712 | 4,265 | 1,581 | 47,657 | 14,853 | 2,52,177 |
| 14. Madras water-supply and irrigation extension project. | 8,780 | 1,63,412 | 746 | 5,809 | 433 | 3,559 | 9,959 | 1,72,780 |
| 15. Cumbum tank .. .. | 5,199 | 1,58,164 | 432 | 4,886 | 3,800 | 33,517 | 9,431 | 1,96,567 |
| 16. Thadapalli channel .. .. | 13,973 | 5,62,629 | 41 | 361 | 741 | 32,928 | 14,755 | 5,95,918 |
| 17. Arakankottai do. .. .. | 4,066 | 1,83,763 | 6 | 60 | 58 | 1,752 | 4,130 | 1,85,575 |
| 18. Kalingarayan do. .. .. | 16,626 | 6,98,149 | 1,921 | 17,556 | 1,907 | 1,30,409 | 20,454 | 8,46,114 |
| 19. Vallur anikat .. | 3,835 | 47,770 | 256 | 1,176 | 537 | 1,436 | 4,628 | 50,382 |
| 20. Cheyaru do. .. | 21,502 | 5,10,515 | 3,204 | 20,026 | 1,383 | 9,182 | 26,089 | 5,39,723 |
| 21. Poiney do. .. | 20,586 | 4,96,939 | 4,055 | 25,049 | 1,778 | 20,343 | 26,419 | 5,42,331 |
| 22. Lower Coleroon do. .. | 107,231 | 33,52,572 | 1,828 | 28,226 | 2,011 | 22,221 | 111,070 | 34,03,019 |
| 23. Shatiatope do. .. | 29,402 | 7,27,555 | 2,067 | 23,195 | 1,157 | 18,715 | 32,626 | 7,69,465 |
| 24. Vriddhachalam do. .. | 5,899 | 1,66,788 | 318 | 3,980 | 191 | 6,408 | 6,408 | 1,77,176 |
| 25. Mehmattur do. .. | 3,700 | 1,27,316 | 90 | 1,244 | 225 | 2,304 | 4,015 | 1,30,864 |
| 26. Marudur do. .. | 28,475 | 5,87,644 | 224 | 1,510 | 2,167 | 18,713 | 30,866 | 6,07,867 |
| 27. Tirukkóyilúr do. .. | 22,120 | 4,76,974 | 1,942 | 21,640 | 1,189 | 32,995 | 25,251 | 5,31,609 |
| 28. Ganjám minor rivers system .. | 54,499 | 20,19,620 | 1,645 | 12,449 | 6,208 | 28,176 | 62,352 | 20,60,245 |
| 29. Nandyar channel .. .. | 4,606 | 1,18,154 | 1,199 | 11,230 | 1,186 | 39,839 | 6,991 | 1,69,223 |
| Total .. | 2,836,657 | 9,07,55,926 | 61,200 | 6,53,437 | 206,394 | 34,60,332 | 3,104,251 | 9,48,69,695 |

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