

Revenue (1897) Department.

MISCELLANEOUS SERIES.

G.O., No. 588

DATED 2nd Feby 1897

[Despatch Abstract.]

Communicating to the Board of Revenue
J. O. P. W. D. reviewing the admin. report of the Gov.
Dept. Irrigation Branch for 1895-96

BACK PAPERS.

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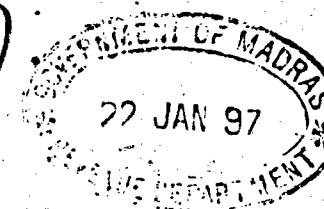
G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1896} of Madras. PUBLIC WORKS.

Current No 637.

Ap 2/2/97



Recd. 22nd Jan'y } 1896.
Regd. 22nd -

Enclosures

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G.O., No. 1032 I., 5th December 1896.

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Communicated to the
DECEMBER. Board of Revenue.

13/1/97.

To
7 The Board of Rev (Ad. R.)
9 " " (Rev. Secy)

28 Jan-97

Administration Report

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Reviewing the — of the Public Works Department, Irrigation Branch, for 1895-96, and directing that copies of the report and of these Proceedings be forwarded to the Government of India.

du. 6.2.97

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

Administration Report of the Public Works Department, Irrigation Branch, for 1895-96.

No. 216 I.

Submitted to Government.

The submission of the report, which was due with the Government of India on the 30th November 1896, was unavoidably delayed owing to the late receipt of the final accounts of the Examiner, Public Works Accounts, which reached this office only on the 21st idem.

CHEPÁK,
1st December 1896.(Signed) F. J. WILSON,
for Chief Engineer for Irrigation.

ORDER—No. 1032 I., dated 5th December 1896.

The report deals with 10 "Major works" and 26 "Minor works" for which Capital and Revenue Accounts are kept, and numerous other irrigation and agricultural works individually small, for which such accounts are not kept. Nine of the "Major works" are classed as productive and one, the Rushikulya project, as protective. All the "Major works" except the Periyár project were in operation and the construction estimates of seven of these have been closed.

2. Of the 26 "Minor works" 22 are irrigation systems and 4 are tidal canals intended for purely navigation purposes. With the exception of the Munnyeru, Dondapad and Sagilérú projects and the Ganjáam-Gopalpore tidal canal, the whole of the above are in operation, and of these the construction estimates have been closed except in the following three cases: the Buckingham canal, the Poiney and Lower Coleroon anicut systems.

3. The capital outlay incurred on the Major and Minor works during and up to the end of 1895-96 was as follows:—

1	Number of works.	During the year 1895-96.							Total direct and in-direct charges to end of 1895-96.	
		Works.	Estab-lishment.	Tools and plant.	Less receipts on Capital account.	Total direct charges.	Indirect charges.	Total direct and in-direct charges.		
		2	3	4	5	6	7	8		9
<i>Major Works.</i>										
Protective Irrigation works (account head, 35)	1	RS. 1,92,432	RS. 38,392	RS. 3,595	RS. 752	RS. 2,26,477	RS. 27,727	RS. 2,54,204	RS. 42,65,088	
Irrigation works not charged to Revenue (account head, 49) ..	9	10,69,393	2,38,789	36,915	2,389	13,42,708	45,965	13,88,673	6,44,10,822	
<i>Minor Works and Navigation.</i>										
Works for which Capital and Revenue Accounts are kept (account head, 43)	(a) 24	4,88,422	1,05,908	11,564	1,392	6,04,502	25,739	6,30,241	1,66,68,830	
(a) Exclusive of the Capital ..										

(a) Exclusive of the Ganjáam Minor works system and the Védáranneyam canal for which complete capital accounts up to end of 1895-96 have not yet been prepared.

4. Under Major works, the capital outlay was incurred chiefly on the Kistna delta, Periyár and Rushikulya systems.

On the Kistna delta system the capital outlay during the year amounted to Rs. 5,56,299 including indirect charges, and was incurred on various improvements to head works, canals, distributaries and drains. The piers of the new head sluice intended to replace the existing head sluice at Sitanagaram which was badly cracked were built up to springing level.

The capital outlay on the Periyár system was Rs. 7,51,403 including indirect charges. The main dam was completed with the exception of the tower on the right flank. The water-shed tunnel and the left bank escape were also finished. In the Madura division 108 miles of main and branch canals were completed to the end of the year under review. The Periyár works were formally opened on the 10th October 1895 by His Excellency Lord Wenlock, G.C.I.E., late Governor of Madras, but as the supply was not maintained continuously, no revenue has been credited to the project.

The capital outlay on the Rushikulya system was Rs. 2,54,204 including indirect charges. The progress of work was satisfactory, the Russellkonda reservoir together with its feeder—the Gulleri channel—the incomplete works of the Rushikulya canal and most of the distributaries having been completed.

Under Minor works, the principal outlay was incurred on the Munnyeru and Sagilérú projects and the Buckingham canal.

On the Munnyeru project the capital outlay was Rs. 1,22,132 including indirect charges. The anicut and under sluices were completed, the main channel, the head sluice and several other masonry works were in progress.

On the Sagilérú project the capital outlay was Rs. 1,31,226 including indirect charges. The anicut, head and scouring sluices and the supply channel and several minor masonry works were in progress.

On the Buckingham canal the capital outlay was Rs. 2,03,687 including indirect charges. Seven locks were completed and six locks and some improvements and diversions were in progress.

5. The following statement shows the revenue receipts and working expenses of each work in operation for which capital and revenue accounts are kept:—

Serial number.	Systems.	Capital outlay.	Gross revenue receipts, 1895-96.			Working expenses.			Net actual revenue.	Deduct receipts less maintenance charges on account of old irrigation.	Net revenue attributable to outlay of Government capital.	Percentage of return.
			Irrigation revenue.	Miscellaneous receipts.	Total.	Direct.	Indirect.	Total.				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2	Gódavari	1,28,30,331	25,96,077	1,09,978	27,06,055	6,26,631	29,481	6,56,112	20,49,943	1,15,500	19,34,443	15-08
3	Kistna	1,21,81,403	22,38,791	54,709	22,93,500	6,26,631	29,481	7,21,792	15,71,278	66,100	15,05,178	12-36
4	Pennér	18,89,783	2,84,906	443	2,85,349	64,884	4,934	69,818	2,25,797	87,000	1,38,797	7-34
5	Sangam	38,10,415	3,30,586	443	3,31,029	80,860	3,928	84,788	2,45,797	1,14,000	1,31,797	3-47
6	Kurnool	2,17,00,550	1,31,112	8,619	1,39,731	1,06,380	3,930	1,09,310	30,421	1,850	30,421	0-14
7	Barur	4,23,461	11,052	39	11,091	3,670	173	3,843	7,248	31,66,760	9,27,417	1-17
8	Cauvery	18,11,489	45,46,893	2,524	45,48,417	4,14,676	89,664	4,54,240	40,94,177	66,500	40,87,677	61-19
9	Srivaikuntam	14,62,798	1,58,543	1,110	1,59,653	37,931	1,972	39,903	1,19,750	25,816	94,934	3-64
10	Rushikulya	42,65,088	63,567	533	64,100	31,043	675	31,718	32,382	25,816	6,566	0-15
	Total, Major works, 1895-96	6,03,75,268	1,03,60,527	1,78,234	1,05,38,761	20,48,378	1,13,146	21,61,524	83,77,237	36,43,626	47,33,711	7-84
	Total for 1894-95	5,94,83,794	1,00,27,139	1,94,183	1,02,21,322	18,28,484	1,11,109	19,39,593	82,81,729	37,57,522	45,24,207	7-61
11	MINOR WORKS.											
12	I. Irrigation.											
13	Ganjam minor rivers	62,271	1,28,166	..	1,28,166	2,921	33	2,954	1,25,212	95,249	29,963	15-95
14	Cumbun tank	1,11,570	41,433	89	41,522	1,470	24	1,494	39,939	30,001	9,938	21-87
15	Thadapalli channel	1,05,492	27,773	6	27,779	5,005	92	5,097	1,00,474	76,063	24,411	6-65
16	Arankota do.	60,278	1,05,514	157	1,05,671	1,913	34	1,947	25,798	18,943	6,855	25-69
17	Kalingarayan channel	20,55,988	2,82,334	2,062	2,84,396	5,118	103	5,221	1,00,450	84,963	15,487	6-17
18	Pillar anicut	2,31,779	86,363	226	86,589	25,440	736	26,176	60,413	1,21,100	1,06,353	8-58
19	Pooney do.	4,00,147	94,133	258	94,391	30,503	736	31,239	63,152	44,391	18,761	4-68
20	Cheyyaru anicut	17,54,046	36,791	140	36,931	4,407	80	4,487	24,384	9,100	15,284	3-13
21	Chembarambakkam tank	63,805	20,982	10,103	31,085	6,284	266	6,550	21,535	6,200	15,335	1-04
22	Madras water-supply	2,54,470	9,448	21	9,469	699	13	712	8,757	5,259	3,498	5-92
23	Vallura anicut	71,047	14,843	378	15,221	4,730	120	4,850	74,981	59,914	15,067	17-91
24	Tirukkoyilur anicut	49,737	23,707	47	23,754	6,379	118	6,497	10,040	2,089	7,951	11-19
25	Mehmatpur do.	1,87,579	1,25,429	130	1,25,559	16,164	283	16,447	1,09,192	8,400	88,792	64-10
26	Vridachalam do.	4,58,931	32,929	215	33,144	6,990	118	7,108	26,926	2,850	24,076	5-30
27	Shattapore do.	6,12,531	4,42,378	105	4,42,483	33,034	118	33,152	4,09,623	1,49,424	2,60,199	42-47
28	Pelandorai do.	60,294	15,560	994	16,554	622	6	628	14,922	16,345	1,423	2-83
29	Lower Coleroon anicut	43,549	1,79,300	197	1,79,497	19,543	424	19,967	1,59,530	1,10,412	49,118	112-78
30	Nandayar channel	72,59,983	18,67,658	15,128	18,82,786	2,46,245	5,400	2,51,645	16,31,141	9,02,216	7,28,925	10-04
31	Maradur anicut	31,027	..	1,08,374	1,08,374	377	10	387	..	..	..	1-22
32	Chilka Lake canal	86,83,601	..	1,136	1,136	4,227	3,488	96,023	12,351	..	12,351	0-14
33	Buckingham do.	1,55,493	..	..	..	15	..	15	..	..	..	0-009
34	Vedarani do.	88,70,121	..	1,09,510	1,09,510	97,150	3,650	1,00,770	8,740	..	8,740	..
35	Ganjam-Gopalpur canal	1,61,30,104	18,67,658	1,24,638	19,92,296	3,43,395	9,020	3,52,415	16,39,881	9,02,216	7,37,665	4-37
36	Total, Minor works, 1895-96	1,67,72,920	17,08,877	1,29,022	18,37,899	3,55,924	10,860	3,66,774	14,71,125	7,94,739	6,76,386	4-22
	Total for 1894-95	1,67,72,920	17,08,877	1,29,022	18,37,899	3,55,924	10,860	3,66,774	14,71,125	7,94,739	6,76,386	4-22

Inclusive of the revenue of the previous year, viz., Rs. 2,46,713, derived from the system in the Trichinopoly district.

6. The net revenue derived from Major Works was Rs. 2,09,504 more than during the preceding year, the gross revenue collected and the working expenses being greater by Rs. 3,17,439 and Rs. 2,21,931, respectively. The increase in net revenue occurred on all systems except the Sangam and Srivaikuntam anicut systems. The bulk of the increase of Rs. 1,79,577 in working expenses was incurred on the Kistna delta system which is chiefly due to the very heavy expenditure necessitated in closing breaches caused by the cyclonic storm in September 1895. The percentage of net revenue on capital outlay was 7-84 in 1895-96 against 7-61 in the pre-vious year. The interest charges during the year amounted to Rs. 22,28,009 and up to the end of the year to Rs. 4,01,47,363. The surplus revenue, after deducting the interest charges, was Rs. 25,05,702 during the year, and amounted to Rs. 5,60,81,961 up to the end of the year.

7. On the Minor Irrigation Works for which Capital and Revenue Accounts are kept, the net revenue attributable to the outlay of Government capital was Rs. 57,094 more than during the previous year. There was a decrease in the working expenses of Rs. 9,121. The percentage of net revenue on capital outlay was 10-04 as against 9-45 in the previous year.

Of the four Minor Navigation Works the gross revenue derived from the Buckingham Canal exceeded the working expenses by Rs. 12,351 against Rs. 7,891 in the preceding year, while the income derived from the remaining works was insufficient to cover the working expenses, the net loss being Rs. 3,611 or Rs. 275 more than in the previous year.

8. The total irrigation receipts from the Major Works amounted to Rupees 1,03,60,527, of which Rs. 99,09,632 inclusive of the sum of Rs. 2,46,713, the revenue of the previous year of the Cauvery delta system brought into the accounts of 1895-96, represented the share of land revenue due to irrigation, and Rupees 4,50,895 was the share of enhanced land revenue due to the improvements.

9. The following statement compares the irrigation receipts with the areas under first and second crops charged as irrigated:—

System.	Revenue derived from irrigated lands.		Area charged as irrigated.		Rate per acre.	
	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.
1	2	3	4	5	6	7
Major Works.						
Gódavari	Rs. 25,96,077	Rs. 25,04,022	ACS. 683,126	ACS. 759,513	Rs. 3-8	Rs. 3-3
Kistna	22,38,791	20,36,154	481,375	519,976	4-6	3-9
Pennér	2,84,906	2,63,118	70,128	70,539	4-0	4-0
Sangam	3,30,586	3,24,490	77,347	76,678	4-2	4-2
Kurnool	1,31,112	1,04,550	32,903	33,540	4-0	3-1
Barur	11,052	4,229	4,229	4,480	2-6	2-6
Cauvery	45,46,893	987,103	989,891	989,891	4-6	4-8
Barur	1,58,543	1,77,383	33,962	33,573	4-6	4-6
Srivaikuntam	63,567	47,160	35,917	27,389	1-7	1-7
Rushikulya	..	..	..	..	..	..
Total irrigation works not charged against Revenue, Minor Works	1,03,60,527	1,00,27,139	2,406,090	2,520,599	4-3	3-9
I. Irrigation Total	18,67,658	17,08,877	534,227	463,064	3-5	3-7
Grand Total	1,22,28,185	1,17,36,016	2,940,317	2,983,663	4-2	3-9

(a) Inclusive of the revenue of the previous year, viz., Rs. 2,46,713, derived from the system in the Trichinopoly district.

Under Major Works the area charged as irrigated was 114,509 acres less and the revenue derived Rs. 3,33,388 more than in the previous year. The decrease in the area occurred chiefly under the Gódavari and Kistna delta systems, owing to relinquishment of irrigation in consequence of enhancement of water-rate. The improvement under revenue represents the increase derived from the above systems owing to the enhancement of the water-rate from Rs. 4 to Rs. 5, and the increment of the settlement assessment of the Cauvery delta system falling due in the year.

10. The area irrigated and revenue derived from Minor Works were 71,163 acres and Rs. 1,58,781, respectively, more than in the previous year. There was a large decrease of Rs. 6,590 in the revenue derived from the Maradur anicut system, which was chiefly due to unusually heavy rain in December last, and consequent floods which silted up large areas of wet lands and necessitated the grant of remissions amounting to Rs. 6,160.

11. The following statement gives details of the average water-rate per acre for first and second crops under Major Works, excluding the areas irrigated free of charge:—

	First crop.						Second crop.
	Government lands.		Zemindari lands.		Inam lands.		
	Wet crop.	Dry crop.	Wet crop.	Dry crop.	Wet crop.	Dry crop.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Gōdāvari delta	4.80	2.51	5.09	3.47	5.00	2.95	3.08
Kistna	4.94	4.25	5.00	3.09	5.11	4.68	4.67
Pennēra anicut	4.52	2.93	..	..	4.00	3.21	2.71
Sangam	4.58	3.20	..	..	4.00	3.20	2.87
Kurnool-Cuddapah canal	3.70	1.75	..	..	3.82	1.81	2.81
Barur tank	3.75	3.25	..	..	3.95	4.00	1.19
Cauvery delta	4.92	3.06	..	..	3.93	3.16	3.74
Srivaikuntam anicut	6.23	3.35	3.92	4.90	4.23	3.60	3.22
Rushikulya project	1.93	2.26	2.09	1.00	2.08	2.14	1.59

12. The area irrigated under first crop on Major Works was 2,159,135 acres and under second crop 243,944 acres, making a total of 2,403,079 acres. These figures are less than those shown in column 4 of the statement in paragraph 9, as the latter includes the extent of "waste charged."

Of the total area of 2,403,079 acres, 2,336,914 were irrigated by flow and 66,165 acres by lift, or about 97.25 per cent. and 2.75 per cent., respectively.

13. The following statement shows the details of the working expenses, including the old maintenance charges for each of the Major Works and for the Minor systems in the aggregate:—

Systems.	1895-96.					1894-95.
	New works and repairs.	Establishment.	Tools and plant.	Indirect charges.	Total.	Total.
<i>Major Works.</i>	RS.	RS.	RS.	RS.	RS.	RS.
Godavari	2,49,046	3,34,130	43,455	29,481	6,56,112	6,48,501
Kistna	3,22,574	3,11,571	59,158	28,489	7,21,792	6,42,215
Pennéru	25,014	29,870	..	4,934	59,818	57,737
Sangam	43,394	37,466	..	3,928	84,788	72,209
Kurnool	72,423	31,833	1,074	3,930	1,09,310	1,09,630
Barur	2,075	1,595	..	173	3,843	4,862
Cauvery	80,564	3,32,696	1,416	39,564	4,54,240	4,52,354
Srivaikuntam	19,868	18,063	..	1,972	39,903	36,319
Rushikulya	20,781	6,703	3,554	675	31,718	15,666
Total, Major Works	8,35,739	11,03,982	1,08,657	1,13,146	21,61,524	19,39,593
Per acre irrigated	..	..	..	..	0.89	0.79
Minor Works and Irrigation	2,27,616	1,10,803	4,976	9,020	3,52,415	3,66,774
Grand Total	10,63,355	12,14,785	1,13,633	1,22,166	25,13,939	23,06,367

The cost of maintaining the Major Works during the year was 20.51 per cent. of the gross revenue derived from them against 19.00 per cent. in the previous year.

14. The charge for establishment in column 3 of the statement in the last paragraph is made up as follows:—

	Major works.	Minor works and navigation.	Total.
Revenue management { Direction and execution... Collection charges	RS. 6,08,569 3,12,930	RS. 12,477 47,485	RS. 6,21,046 3,60,415
.. .. .	9,21,499	59,962	9,81,461
Total	1,82,483	50,841	2,33,324
Maintenance of works	11,03,982	1,10,803	12,14,785
Grand Total			

The cost of revenue management on major works was 8.7 per cent. of the gross revenue realized from them.

15. The report shows that there are now in actual operation 3,494 miles of canals, of which 990 miles are for irrigation and navigation, 2,200 miles for irrigation only, and 304 miles for navigation only. From the irrigation canals 6,792 miles of distributary channels are taken off. The total ultimate irrigable area under the canals is 3,153,666 acres, and the area irrigated during the year was 2,837,407 acres, the crops grown being valued at Rs. 6,15,35,310 or Rs. 53,65,474 less than in the previous year. The estimated outturn of the year compares with the corresponding figures of the previous year as shown below:—

	1895-96.	1894-95.
	RS.	RS.
Paddy	5,75,76,343	6,31,32,502
Ragi	3,32,816	4,07,319
Other crops	36,26,151	33,60,963
Total	6,15,35,310	6,69,00,784

16. The following table gives the details regarding navigation on the principal canals:—

	Length of navigable canals.	Receipts.	Expenditure.	Value of goods.	Ton mileage.	Passengers.
	MILES.	RS.	RS.	RS.		NO.
Godavari delta canals	493	87,043	77,270	2,24,77,993	7,535,231	241,150
Kistna delta canals	307	36,722	71,639	1,62,75,148	15,234,834	123,212
Kurnool-Cuddapah canal	190	1,302	10,791	3,51,563	148,638	33
Buckingham canal	232	1,08,382	62,059	2,57,97,068	23,375,467	101,262
Total for 1895-96	1,252	2,33,449	2,21,758	6,49,01,772	51,294,170	465,657
Total for 1894-95	1,252	2,50,355	2,19,169	5,31,20,783	50,678,811	467,806

17. The subjoined table gives details regarding works for which neither capital nor revenue accounts are kept:—

	Area, first and second crops.	Irrigation revenue.	Rate per acre.	Outlay, direct and indirect, and collection charges.	Rate per acre.
	ACS.	RS.	RS.	RS.	RS.
I. Works under Public Works Department for which a continuous record of expenditure is kept	176,902	6,99,938	..	..	..
.. .. .	1,405,833	40,81,061	..	..	..
.. .. .	1,809,430	43,83,416	..	..	..
II. Other works under Public Works Department	3,392,165	91,64,415	2.70	(a) 16,12,627	0.48
III. Works under the Revenue Department					
Total, 1895-96	3,175,140	83,21,763	2.62	17,59,321	0.54
Total, 1894-95					

(a) Inclusive of Rs. 3,71,507, the outlay incurred by Civil Officers and not included in the accounts of the Examiner of Public Works Accounts.

The total area irrigated was made up of 2,538,935 acres of first crop and 853,230 acres of second crop, and the irrigation revenue was Rs. 8,42,652 more than in the previous year. The increase in revenue occurred in all the districts except Ganjám, Nellore, Kurnool and Trichinopoly. The decrease in the Ganjám district was small, that in Trichinopoly was due to the transfer of the irrigation under the Nandyar channel from "Minor works for which neither capital nor revenue accounts are kept" to Minor works for which such accounts are kept. The decrease in Nellore and Kurnool was due to the unfavourable character of the season.

18. The following statement exhibits the outlay on agricultural works :—

	RS.	RS.
Original works	1,11,292	
Repairs	3,13,998	
		4,25,290
Establishment		90,819
Tools and plant		6,103
Total		5,22,217

The receipts realized from the plantations along the river embankments amounted to Rs. 23,903 against Rs. 26,979 in the previous year.

19. Six investigating parties were employed on the Tank Restoration Scheme, the expenditure on which during and up to the end of the year was as follows :—

	Expenditure during 1895-96.					Expenditure to end of 1895-96.
	Works.	Repairs.	Establishment.	Tools and plant.	Total.	
	RS.	RS.	RS.	RS.	RS.	RS.
Investigation	..	..	30,973	686	31,659	..
Execution	1,23,941	5,53,097	98,108	6,351	5,33,615	..
Total	1,23,941	5,53,097	1,29,081	7,037	5,65,274	..

Up to the end of the year 33,176 square miles had been completely investigated, and estimates for 4,662 works to the amount of Rs. 48,44,054 had been sanctioned.

20. The following figures relate to the discharge of some of the principal canals which are not supplied mostly from storage works, and the areas irrigated from them :—

	Area actually irrigated, first crop.	Maximum discharge as designed.	Maximum discharge during the year.	Average discharge at head.	Acres irrigated per cubic foot per second of average discharge.
	ACRES.	CUBIC FEET.	CUBIC FEET.	CUBIC FEET.	FIRST CROP.
Gódvári	580,302	8,516	13,176	6,155	94.28
Kistna	500,196	8,126	Not known.	4,000	125.05
Pennóru	64,898	2,306	1,547	300	216.33
Sangam	70,928	4,800	4,550	550	128.96
Kurnool	25,804	1,468	945	513	50.30
Cauvery	858,349	Not known.	23,920	13,858	61.94

* Previous to the construction of the extra vents built in 1887-83 to the Dowlaishweram head sluice.

21. During the year the investigations required for the preparation of the completion estimates for the Cauvery delta system were commenced. The re-investigation of the Annamalanka project in the Gódvári Western division was also undertaken. Plans and estimates for the Atmakúru, Manchikallu and Jangamaheswarapuram projects in the Kistna Northern division were under preparation.

22. From local irrigation cess fund an outlay of Rs. 27,415 was incurred on improving and repairing the Cauvery channels in the Salem district, in clearing silt in the Utramalur channel in the Chingleput district, and in improving the Ponneri No. 1 branch channel in the Trichinopoly district.

23. A sum of Rs. 10,235 was also spent on irrigation works in the estates under the Court of Wards.

24. A descriptive note on the Sangam anicut system illustrated by photographic prints and the annual diagrams of the principal rivers connected with Major works have been appended to the report.

25. Ordered that forty copies of the Administration Report and of these Proceedings be forwarded to the Government of India.

[Here enter No. 1033 I., dated 5th December 1896.]

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" all Superintending Engineers.
" the Consulting Engineer for Railways.
" the Examiner, Public Works Accounts.
" the Revenue Department.
" the Public Department.

Exd. C. Rajagopal.

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