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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2089	Press
B.P. No.		Mis.
352-353		
Dated	22. 8.	1873.

Not to be folded or roughly handled

Read the following papers :—

No. 352. From J. GROSE, Esq., Secretary to the Board of Revenue, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated 17th April 1873, No. 589.

With reference to G. O., dated 25th July 1872, No. 1,766, Public Works Department, I am directed to forward a statement showing the actual return from irrigation in each district in the Madras Presidency for Fasli 1281 (1871-72).

2. The Statement does not include the revenue on irrigated lands in South Canara, and the quit-rents on irrigated inams in all the districts, as information regarding the same is not available.

3. The total amount of revenue is Rupees 1,93,00,044.

4. No works of irrigation are maintained by Government in the districts of South Canara and Malabar.

Proceedings of the Madras Government,

Statement showing the Revenue due to Irrigation in each District of

Districts.			TOTAL OF DRY AND WET CROPS IRRIGATED.		Deduct Remissions due to Ir- rigation.	Remainder.
	Total.		Area Columns 2 and 14.	Assessment Columns 3 and 15.		
	Area.	Assess- ment.				
	14	15	16	17	18	19
	ACRES.	RS.	ACRES.	RS.	RS.	RS.
1. Ganjam	1,77,649	5,17,578	1,78,375	5,19,549	88,717	4,30,832
2. Vizagapatam	33,270	2,22,146	33,270	2,22,146	55,962	1,66,184
3. Godavery	2,89,249	17,02,665	2,93,456	17,27,297	36,815	16,90,482
4. Kistna	1,44,950	8,01,326	1,57,470	8,59,384	28,147	8,31,237
5. Nellore	1,80,805	8,25,544	1,81,890	8,31,978	16,720	8,15,258
6. Cuddapah	1,02,663	8,18,029	1,02,663	8,18,029	30,785	7,87,244
7. Bellary...	1,17,887	6,80,314	1,17,887	6,80,314	4,371	6,75,943
8. Kurnool	33,058	2,24,967	33,058	2,24,967	13,563	2,11,404
9. Madras	...	...	...	...	...	...
10. Chingleput	2,98,163	12,04,517	3,02,610	12,21,804	30,135	11,91,669
11. North Arcot	2,29,654	13,29,548	2,36,584	13,49,768	93,749	12,56,019
12. South Arcot	3,27,882	17,96,828	3,32,832	18,13,521	1,36,315	16,77,206
13. Tanjore...	7,67,327	38,40,115	7,73,869	38,61,761	2,51,971	36,09,790
14. Trichinopoly	1,37,213	6,68,751	3,60,528	9,96,175	94,630	9,01,545
15. Madura...	1,41,063	6,43,402	1,41,357	6,44,152	31,587	6,12,565
16. Tinnevelly	1,61,042	16,47,753	1,61,042	16,47,753	2,47,232	14,00,521
17. Coimbatore	85,023	6,32,676	90,063	6,48,593	73,230	5,75,363
18. Nilgiris	40	90	40	90	...	90
19. Salem ...	88,384	5,06,324	88,920	5,08,379	35,547	4,72,832
20. South Canara	...	...	...	...	...	...
21. Malabar	3,85,778	11,62,708	3,85,778	11,62,708	4,518	11,58,190
Total...	37,01,100	1,92,25,291	39,71,692	197,38,368	12,73,994	184,64,374

* This amount differs slightly from that given in paragraph 29 of the Jamabundy report for Fasli 1281. The

Public Works Department, 21st August 1873.

the Madras Presidency, for Fasli 1281 (1871-72).—(Concluded.)

INAM AND ZEMINDARI LANDS IRRIGATED.		LANDS IRRIGATED FREE OF CHARGE.		TOTAL LANDS IRRIGATED.	
Area.	Charge for water.	Inams Area.	Zemindari Area.	Area.	Assessment.
20	21	22	23	24	25
ACRES.	RS.	ACRES.	ACRES.	ACRES.	RS.
2,605	1,158	...	...	1,80,980	4,31,990
7	13	12,872	4,152	50,301	1,66,197
1,92,514	5,94,124	46,525	31,359	5,63,854	22,84,606
36,316	1,13,014	18,228	8,691	2,20,705	9,44,251
1,996	7,459	37,095	93	2,21,074	8,22,717
3,286	12,142	2,679	...	1,08,628	7,99,386
3,978	18,504	33,122	...	1,54,987	6,94,447
3,193	11,581	...	...	36,251	2,22,985
...	...	...	...	...	...
* 1,494	8,935	40,420	4,474	3,48,998	12,00,604
4,383	16,693	39,696	...	2,80,663	12,72,712
3,435	9,709	30,425	...	3,66,692	16,86,915
6,530	13,460	1,25,599	99,007	10,05,005	36,23,250
4,485	14,600	2,806	68	3,67,887	9,16,145
4,279	11,056	17,939	43	1,63,618	6,23,621
...	...	2,922	2,375	1,66,339	14,00,521
1,019	2,347	7,899	...	98,981	5,77,710
...	...	...	...	40	90
1,454	875	9,567	8,361	1,08,302	4,73,707
...	...	...	...	...	...
...	...	...	...	3,85,778	11,58,190
2,70,974	8,35,670	4,27,794	1,58,623	48,29,083	* 193,00,044

difference is due to the correction since made in the return of the Ganjam District

PROCEEDINGS OF THE BOARD OF REVENUE, dated 20th June 1873, No. 1,069.

No. 352 A. From Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, to J. GROSE, Esq, Secretary to the Board of Revenue, dated Cauverypauk, 9th May 1873, No. 287 :—

I HAVE the honor, with reference to the Irrigation Revenue Statement for the year 1871-72, which was transmitted to Government with your letter, No. 589, of the 17th ultimo, to request information on the following points.

2. Of the total area of dry crops irrigated, shown in column 2, about seven-ninths appertain to Trichinopoly. Does the heading of Columns 2 and 3 mean the same thing in all districts, and, if so, can you give me any information as to the circumstances which make the irrigation of dry crops in Trichinopoly so exceptionally large, and as to the description of crops there irrigated?

3. In Column 8 the area of "usual wet subject to a separate charge for water" is shown to be for the whole Presidency Acres 2,11,921, of which Acres 2,02,255 are in the Godavery. Any explanation which you may be able to give me regarding this special class of irrigation, with a view to the better understanding of the circumstances, may be of use to me in preparing the reports required by the Government of India.

4. Information as to the significance of the entries for remissions in Column 18 will be of value. I am at present doubtful as to whether a material proportion of the sums shown is not rather nominal than real; and, if this be the case, it would seem to be desirable that remissions which could, by the adoption of suitable measures in this department, be avoided in the future should be distinguished from those which are to be referred to peculiar local arrangements. It will be my duty to make special inquiries into the causes of avoidable remissions, particularly where it may be presumed that these are due rather to defective arrangements for the utilization of water than to any inadequacy in the quantity of the supply.

5. I shall be glad to know whether the information regarding revenue from irrigated lands in South Canara and the quit-rents on irrigated inams in all districts, which was not available at the time of the preparation of the Revenue Statement for 1871-72, will be exhibited in future Annual Returns, and also what date the Board proposed to fix for the submission to Government in each year of this statement.

THE large area (Acres 2,23,315) entered as "Dry crops irrigated" in Trichinopoly evidently includes lands cultivated with raggy, and other garden crops, and irrigated by baling from Government wells and channels. Similar lands in other districts appear under wet, or dry converted into wet; but in Trichinopoly they were classed in the Settlement as "Permanently improved dry" and are not charged with any separate water-rate for irrigation because the assessment includes the charge for water. The Collector will, however, be requested to explain if there is any mistake in the figure which has been taken from Enclosure E of his Jammabandi Statement No. 3 for Fasli 1281.

2. Column 8 was intended to show lands on which a separate water-rate was charged notwithstanding that they were classed as wet in the accounts, e.g., wet lands under tanks, and wells temporarily irrigated under river-channels, and land in Godavery and Kistna once classed as dry which have been irrigated consecutively for three years and are, therefore, now classed as wet in the accounts though no difference is made in the mode of charging water-rate. The Collector of Kistna, however, appears to have entered the three years' irrigated wet under "Dry converted into wet," the land irrigated for a shorter period being entered

Occasional.	RS.
Remission on account of Shamilat	
Bunjer or portions of fields left waste	24,474
Shavy or withered crops	2,12,698
Palanastam or loss of produce	1,71,313
Payamalay or land injured by water	13,809
Panyboodthy or land flooded	843
Cowle remissions	1,939
Teazagary or remissions to privileged classes	902
Teerwaj Cummee or reduction of standard assessment	72,232
Fasal Cummee or second crop not cultivated	45,978
Miscellaneous remissions	25,539
Fixed remissions granted without reference to season, such as for reclaiming rocky soils, remission of assessment under Tops Rules, etc.	32,853
Share of shrotriem proceeds... ..	25,502
Cattoobadi, etc.	441
Road-cess included in the assessment	32,302
Mirah or fees to village servants	6,13,169
Total...	12,73,994

under "Dry crops irrigated," which was a mistake not discovered in this Office; but this does not affect the total amount of the revenue due to irrigation. The Collector of Kistna will be now requested to report the extent and revenue of land cultivated with wet crops but erroneously included under "Dry crops irrigated."

3. The remissions and deductions in Column 18 consist of the items noted in the margin.

4. The Board hope to be able to give next year the information required regarding quit-rents on inam lands irrigated, but it is not likely that any information can be obtained regarding the irrigated lands of South Canara.

5. The statement will be forwarded every year in the month of January or February.

No. 397 B.

Note by the Chief Engineer for Irrigation.

No. 352 B.

THE return for 1871-72, which has been prepared with reference to G. O., 25th July 1872, No. 1,766, is the first statement in which the Revenue derived from irrigated lands throughout the Presidency has been exhibited in a concise and accessible form. It shows that, in the year under review, the area and assessment of Government lands were Acres 3,971,692, Rupees 197,38,368, and that from this Revenue Rupees 12,73,994 were deducted on account of remissions, the several descriptions of which are detailed in the Board's Proceedings, from which it will be seen that the heading of column 18 of the statement is not quite accurate, as the "remissions due to Irrigation" or to a short or excess supply are less than one-third of the whole, while nearly one-half of the total of Rupees 12,73,994 would seem to be of the nature of Revenue charges rather than remissions. The loss of Revenue due to causes which may, to a greater or less extent, be remediable by this Department would seem to be about 2 per cent. on the assessment of Government lands, and such instructions as may be neces-

*Proceedings of the Madras Government, Public Works Department,
21st August 1873.*

sary will be issued to District Engineers, so soon as the particulars of the remissions for each District, connected with the water supply or defective drainage, are received from the Board of Revenue.

2. The area of Inam lands and the charge for water supplied thereto are, Acres 270,974, Rupees 8,35,670, and the areas of lands irrigated free of charge are, Inam Acres 427,794, Zemindari Acres 158,623, making the total area irrigated, Acres 4,829,083 and the Revenue Rupees 193,00,044.

3. The Controller of Public Works Accounts has furnished a statement of charges for the year under review, and subjoined are the particulars for each District.

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21st August 1873.*

Districts.	Total lands Irrigated.		Establishment.					Works Repairs.	Total of columns 7 and 8.	Public Works Charges.		Average Assessment per Acre.		Remarks.
	Area.	Assessment.	Direction and accounts.	Executive	Conser- vancy.	Total.	Per Acre.			Per cent on Re- venue.	Govt. lands.	Total area.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Ganjam	180,980	4,31,990	12,214	4,870	1,225	8,309	29,705	38,014	0.21	8.79	2.42	2.38	Col. 19 of	
Vizagapatam	50,301	1,66,197	639	1,404	528	2,571	8,567	11,138	0.22	6.70	4.99	3.30	Col. 16	
Godavery	563,854	22,84,606	11,911	26,199	41,768	79,878	1,59,804	2,39,682	0.43	10.49	5.76	4.05	Board of Revenue return	
Kistna	220,705	9,44,251	5,574	12,262	25,202	43,038	74,785	1,17,823	0.53	12.48	5.28	4.28	Column 12=	
Nellore	221,074	8,22,717	4,044	8,897	4,333	17,274	54,261	71,535	0.32	8.69	4.48	3.72	Column 25	
Cuddapah	108,628	7,99,886	2,957	6,505	...	9,462	39,671	49,133	0.45	6.15	7.67	7.36	Column 13=	
Bellary	154,987	6,94,447	3,893	8,563	...	12,456	52,228	64,684	0.42	9.31	5.73	4.48	Column 24	
Kurnool	36,251	2,22,985	1,630	3,583	...	5,215	21,866	27,081	0.75	10.21	6.40	6.15		
Madras	...	...	150	331	...	481	2,015	2,496	0.38	11.14	3.94	3.44		
Chingleput....	348,998	12,00,604	7,776	17,106	1,987	26,869	1,04,333	1,31,202	0.27	5.92	5.30	4.53		
North Arcot	280,663	12,72,712	4,298	9,453	3,956	17,707	57,660	75,367	0.35	7.67	5.04	4.60		
South Arcot	366,692	16,86,915	7,578	16,609	3,530	27,777	1,01,672	1,29,449	0.19	5.36	4.66	3.61		
Tanjore	1,005,005	36,23,250	11,280	24,812	6,918	43,010	1,51,338	1,94,348	0.30	11.89	2.50	2.49		
Trichinopoly	367,887	9,16,145	6,355	13,978	3,304	23,637	85,255	1,08,892	0.20	5.22	4.33	3.81		
Madura	163,618	6,23,621	1,918	4,285	192	6,425	26,138	32,563	0.47	5.53	8.70	8.42		
Tinnevelly ...	166,339	14,00,521	4,597	10,114	1,150	15,861	61,686	77,547	0.70	12.06	6.39	5.84		
Coimbatore ...	98,961	5,77,710	4,192	9,218	...	13,410	56,229	69,639	...	...	...	...		
Nilgiris	40	90	...	...	...	...	...	...	0.39	9.00	5.32	4.37		
Salem	108,302	4,73,707	2,569	5,642	...	8,211	34,469	42,680	...	...	...	...		
South Canara	...	...	...	...	...	...	...	...	...	...	...	...		
Malabar	385,778	11,58,190	62	133	83	278	818	1,096	0.003	0.09	3.00	3.00		
Total...	4,829,083	1193,00,044	83,667	1,84,026	94,176	3,61,869	11,22,500	14,84,369	0.31	7.69	4.65	4.00		

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21st August 1873.*

establishment is proportional to outlay, irrespective of the time or strength of establishment actually devoted to this kind of work. Compared with expenditure on work, the cost of establishments, including those employed on conservancy, is 32.24 nearly per cent. of the outlay on the former: were conservancy establishments considered, as they might reasonably be, as labour, the proportion would be reduced to 22 per cent.

8. Government have instructed the Board of Revenue to show in the Revenue returns, the water-rate, where the charge for water is levied in that form, together with the area on which it is charged, but it has been thought advisable not to wait for the modification in this respect of the statements for the year under review, lest considerable further delay should occur in submitting the information which is now available.

OOTACAMUND,
2nd July 1873.

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 353. ORDER THEREON, 21st August 1873, No. 2,089.

IRRIGATION, No. 23.

THE Government are glad to have placed before them in a convenient, though not yet quite complete, form the particulars of irrigation throughout the Presidency for the year 1871-72. This being the first time that such returns, as those now submitted, have been prepared, there is no opportunity for comparison of results with those of other years, but the several statements afford valuable information, which should be made use of in the Revenue and Public Works Departments, with a view to the improvement of the efficiency of the works on which such a large area of irrigation and so great an amount of revenue are dependent.

2. District Officers should understand that, while the Government desire to keep charges for maintenance as low as is consistent with the complete efficiency of the irrigation works generally, it is expected that such efficiency will be secured and maintained. Hitherto the funds allotted for this purpose have not been fully utilized, and the statements for 1871-72 indicate that in some districts much less was done in executing necessary repairs than was requisite. With the information now before them, it is hoped that greater diligence will be shown by District Officers in carrying out this description of work, and that the utmost care will be taken to ensure that the outlay on all irrigation works is judiciously made.

3. District Engineers should be furnished by Collectors with statements showing, for the several taluqs, the particulars of areas, assessment, remissions, etc., in order that they may have full means of judging what improvements, etc., of existing works are needed. In the case of the large systems of irrigation, the corresponding particulars for each canal or section of the area irrigated should be recorded and brought under review.

4. Column 18 of the Revenue Board's statement headed "Deduct remissions due to irrigation," should be carefully restricted to remissions connected with the water-supply. Remissions of that kind, when indicative of deficient water-supply

*Proceedings of the Madras Government, Public Works Department,
21st August 1873.*

from causes within the control of engineering skill should receive the prompt attention of the Public Works Officers in charge of the works.

5. In paragraph 5 of their Proceedings, No. 1,069, dated 20th June 1873, the Board of Revenue intimate that similar statements for 1872-73 and subsequent years will be forwarded in the January or February following the close of the year to which they relate. The Government desire the preparation of the district statements, which are to be furnished to the District Engineers, as soon after the close of the Revenue year as may be practicable, in order that these officers may have the opportunity of submitting to the Chief Engineer for Irrigation their report of the operations of the year by November or December at latest. The maintenance of irrigation works should, for the future, form a section of the general report of the operations of the Irrigation Branch of the Public Works Department, and it is expected that this subject will receive at the hands of all officers of the Department that careful consideration which its great importance demands.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

To the Revenue Department.

.. Revenue Board.

To all District Engineers.

To the Officiating Controller of Public Works Accounts.

.. Chief Engineer for Irrigation.

Exd. S. T. Austin,

Spare Copies.

P.R. 1873 Sept
No. 4456

From the Chief Engr for India

By 2 July 1873.
Re 11 Aug 3

No. 397 B

Note on Pro:
of the Board of
Rev. Submitting
Statements showing
actual return from
irrigation in each
District in the
Madras Presidency.

For 1871/72
No. 2089 - 21 Aug 73

No. 352 A

No. 2089 P.R. D.

Pro. of the Madras Govt.

Read the following:-

Pro. of the Bd. of Rev. (H.E. No. 589 of 17 April 73)

Do — do — (No. 1069 of 20 June 73)

Note by the Ch. Engr for (No. 397 B of 2 July 73)
Engr. —

The Government are
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before them in a conve-
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J. D. S.

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2 District Officers should understand that, while the Government desire to keep charges

1911
charges for maintenance as low as is consistent with the complete efficiency of the Irrigation works generally, it is expected that such efficiency will be secured and maintained. Hitherto the funds allotted for this purpose have not been fully utilized, and the statements for 1871-72 indicate that in some Districts much less was done in executing necessary repairs than was requisite. With the information now before them, it is hoped

hoped that greater diligence will be shown by District Officers in carrying out this description of work, and that the utmost care will be taken to ensure that the outlay on all irrigation works is judiciously made.

3 District Engineers should be furnished by Collectors with statements showing, for the several taluqs, the particulars of areas, assessment, remissions &c., and they should enquire fully into all matters which may then appear to need examination.

This is to be done and we shall soon be able to get at the bottom of the matter. I would say in order that they may have full knowledge of finding what is the amount to be paid.

works are needed."

examination.] In the case of the large systems of irrigation, the corresponding particulars for each Canal or section of the area irrigated should be recorded and brought under review.

4 Column 18 of the Revenue Board's statement headed "Product remissions due to irrigation" should ~~be~~ ^{be} ~~restricted to~~ ^{be divided into} remissions connected with the water supply [and those appertaining to arrangements with which the Irrigation Department has no concern]

There are not wanted here - 188

concern] Remissions

of the former kind should receive the prompt attention of the Public Works Officers in charge of the works.

when indicative
of deficiency to water
supply from canals
within the control
of Engineering & Rile

5 In para 5 of their
Pros. No 1069 dated
20th June 1873, the
Board of Revenue
intimate that similar
statements for 1872-73
and subsequent years
will be forwarded
in the January or
February following
the close of the year
to which they relate.
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ed to the District
Engineers, as soon
after the close of the
Revenue year as may
be practicable, in order
that these Officers
may have the oppor-
tunity of submitting
to the Chief Engineer
for Irrigation their
report of the operations
of the year by Novem-
ber or December
at latest. The main-
tenance of irrigation
works should, for the
future, form a section
of the general report
of the operations of the
Irrigation

Irrigation Branch of
the P. W. D., and it
is expected that this
subject will receive
at the hands of all
Officers of the Depart-
ment that careful
consideration which
its great importance
demands.

6. These Proceedings
will be forwarded
to the Government
of India.

H. E. M. 17
Copy of the above
forwarded to the Govt. of India
with reference to para 2 of their
letter No. 922 dated 19. Oct/22.

My. 28/7/23
G.M.W.

Is this matter taken
necessary? If not
I would not trouble
the Government with
the same.
I am, Sir, very
respectfully,
Yours,
J. D. S.

- To The Revenue Deptt.
- 102 Revenue Board
- 135 All District Engineers
- 133 Controller of Public Works
- 5 Chief Engineer for Irrigation

I agree. I would
send the paper of 2
unless there are
any other orders

1352-53. Dated 19/7/23
a. b. 2 Aug 173.

Sept 56
Govt. of 1873 Madras.
PUBLIC WORKS.

The Revenue Dept.

Date:

Secd.

Encl.

G. O. 21st Aug 73. No. 2089.

No. 357/343

Irrigation. Paper orders
on statement showing
the actual return from
irrigation in each
District of the Madras
Presidency for 1871/72.

Forward copy of

To: Secy. to Govt. showing
the actual return from
irrigation in the Madras
Presidency for 1871/72.

Q. 624