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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	1887	Press.
B.P. No.		Mis.
Dated	3-8-1878	197 .

Not to be folded or roughly handled

1887
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

6th July 1878, No. 548 I.

Irrigation.
Account.

Read the following papers :—

- No. 29. From Lieutenant-Colonel J. BEATTY, R.E., Superintending Engineer, Godavery District, to the Chief Engineer for Irrigation, dated Dowlaishweram, 8th March 1878, No. 3,861.

I HAVE the honor to forward, for your information, a very interesting report by Lieutenant Dorward, accompanied by the irrigation register of the Western Delta for 1877-78, which he believes to be the most trustworthy that has ever been prepared for that division.

2. The register shows an increase of more than 15,000 acres over any previous year, and this would have been considerably greater but for the unfavorable character of the season. The total area cultivated with wet crops was 298,276 acres, including 12,838 acres of dry crops watered.

3. Lieutenant Dorward has also given his reasons for estimating that the quantity of water supplied was 1.34 cubic yards per acre.

4. The registers of the Eastern and Central Deltas have not yet been received.

From Lieutenant A. R. F. DORWARD, R.E., Assistant Engineer in charge Western Delta Division, Godavery District, to the Superintending Engineer, Godavery District, dated Latchimpalem, 22nd February 1878, No. 570.

I HAVE the honor to forward, herewith, the irrigation register for this division for the past season.

2. The information as to irrigated areas has been gathered in the usual way by Delta Superintendents. I had hoped to get accurate information from the Revenue Department in their monthly statements, but failed to do so. Considerable trouble was taken this year to get reliable information, and as the failure of the Revenue Department to supply correct information was foreseen some months ago, there has been time to carefully examine and, as far as possible, verify the figures given by Delta Superintendents. I consider the present statement to be much the most trustworthy that has ever been prepared for this division. The areas used for zemindari villages are fair approximations to the correct areas which are not yet known to the Village Curnams.

3. I have not compared the figures of this year with those of last year, as the latter were, as stated by me at the time prepared in a hurry and inaccurate.

TABLE I.

TABLE II.

TABLE III.

I.	II.	III.	IV.	V.	VI.	VII.	VIII.
Month.	Chettipett weir dis- charge in cubic feet per second.	Nandamur weir dis- charge in cubic feet per second.	Chinakapa- varam sur- plus weir dis-charge in cubic feet per second.	Yelurpet surplus weir dis- charge in cubic feet per second.	Used for irrigation.	Cubic feet per second used for 100 Acres.	Rainfall on track.
May ...	306	158	...	...	464	0.49	2.77
June ...	637	...	...	...	637	0.67	0.84
July ...	1,016	...	...	13	1,003	1.05	1.61
August ...	1,243	...	...	...	1,243	1.30	1.95
September ...	1,250	...	99	...	1,151	1.31	6.30
October ...	1,101	...	208	8	885	0.93	6.02
November ...	1,069	5	122	46	906	0.95	0.32
December (15 days) ...	866	138	355	128	521	0.55	0.00
Average Total Result ...						0.94	19.81

The irrigation season under the Chettipett and Nandamur weirs began on the 6th of May. The surplussing at the end of the Undi canal could not be measured. The rainfall was measured at Perimella.

No. 29-A. From Lieutenant-Colonel J. BEATTY, R.E., Superintending Engineer, Godavery District, to the Chief Engineer for Irrigation, dated Bowlaish-weram, 11th June 1878, No. 786.

In continuation of my letter, No. 520, of the 18th ultimo, I have the honor to forward, herewith, the irrigation register of the Eastern Delta showing the irrigated area of the first-crop wet cultivation in Fasli 1287 (1877-78), and to request that the registers of the three deltas may be returned to this office when they are no longer required.

2. It will be seen that the total area of first-crop irrigation in the season of 1877 was 137,807 acres, being an increase of 13,305 acres over the area of 1876. The increase is believed to be chiefly due to the high prices of famine years for paddy and rice.

3. The Officer in charge Eastern Delta explains the cause of the great delay in submitting the return to be due to the difficulty of obtaining information from the Curnams. A large part of the division being zemindari, there are peculiar difficulties.

4. The correct area of dry crops watered has not yet been obtained, but it is believed to have been very large.

No. 192 I.

Note by the Chief Engineer for Irrigation.

In G.O., No. 1,901, of the 26th July 1876, the preparation of abstracts of the irrigation registers maintained by the Public Works Officers was ordered to be so arranged for as to admit of approximate information as to the irrigation of each season being laid before Government soon after its close, and in anticipation of the completion of the abstracts which are subsequently compiled from information furnished by the Collector.

2. In transmitting the abstracts for Fasli 1287 (1877-78) the Superintending Engineer explains that the cause of delay has been the difficulty of obtaining the requisite information from the Curnams, and it is necessary to notice that the figures

given in the statements are apparently not, except in the Western Delta, a reliable guide to the results of the season's irrigation, e.g., the summary by canals at the end of the statement for the Eastern Delta shows the total area of first crop irrigated in Fasli 1286 (1876-77) as acres 124,502, while in the abstract dated June 1878 signed by the Superintending Engineer, and submitted to Government with this office No. 183 I, of the 26th instant, the area of wet land according to the Public Works Registers was for that year acres 131,247. To the summaries, therefore, in the sub-joined statement a column has been added giving the areas, according to the Public Works Registers, in the abstract just referred to, for Fasli 1286, and the district officers should explain the discrepancies. It is believed that first crop includes all the lands cultivated with wet crops, or very nearly all such land, and that second crop is almost exclusively dry crop irrigated.

Canals.	Fasli 1286 (1876-77).*	Fasli 1286 (1876-77).†	Fasli 1287 (1877-78).
	ACRES.	ACRES.	ACRES.
<i>Eastern Delta.</i>		First Crop.	
Main Canal ...	+	32	472
Cocanada Canal ...	39,042	36,907	38,623
Mundapetta do. ...	23,223	21,932	23,101
Coringa do. ...	24,946	24,066	26,748
Bank do. ...	6,389	6,333	6,984
Injoram do. ...	10,051	9,297	10,130
Samulcottah do. ...	27,596	25,935	31,749
Total, Eastern Delta ...	131,247	124,502	137,807
<i>Central Delta.</i>			43
Main Canal ...	22,626	21,879	23,055
Bank do. ...	23,814	21,775	27,166
Amalapur Canal ...	9,779	9,374	9,803
Bendamurunka Canal ...	37,761	34,384	36,736
Gunnaram Canal ...			
Total, Central Delta ...	93,910	87,712	96,803

* From enclosure of Superintending Engineer's No. 805 of 13th June 1878.

† This canal does not occur.

‡ Called apparently Rallee canal.

§ Gunnaram plus Nagarum.

		First Crop Wet.	Dry Crop Watered.	Total.
<i>Western Delta.</i>				
Main Canal ...	1,702	923	21	944
Kakarapur Canal ...		5,166	1,621	6,787
Gostanadi and Velpur Canal ...	31,229	34,522	1,569	36,091
Attali Canal ...	28,326	26,262	4,697	30,959
Murkamala Canal ...	2,258	2,157	196	2,353
Bank do. ...	19,928	19,636	934	20,570
Nursapur do. ...	61,478	52,898	1,231	54,129
† Ellore do. ...	46,913	48,804	350	48,654
Venkiah and Weyern Canal ...	43,748	49,733	1,407	51,140
Undi Canal ...	42,007	45,604	737	46,341
Drainages ...	99	236	75	311
Total ...	277,688	285,441	12,838	298,279
Grand Total ...	502,845	520,051	...	...

* Not mentioned.

† Including Junction Canal.

The general result is satisfactory. The report by the Range Officer, Western Delta, is of much interest, and it will be seen that the information regarding area irrigated is much the most complete for this delta, while there is much of value in the report regarding water-supply, rainfall, &c.

Ootacamund, (Signed) JOHN MULLINS, Lt.-Col., R.E.,
26th June 1878. Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 30. ORDER THEREON, 6th July 1878, No. 548 I.

The District Engineer will explain the apparent discrepancies between the areas of lands irrigated in Fasli 1286, as given in the different statements, as regards the Eastern and Central Deltas.

2. The careful way in which the subject has been dealt with by Lieutenant Doward, the Officer in charge of the Western Delta, is noticed with much satisfaction, and it is observed that his report was written on the 22nd February, or at the time when the approximate abstracts for the whole delta ought to have been ready. The District Engineer will ascertain how it happened that the Delta Superintendents of the other sections of the delta were unable to obtain information from the Curnams in proper time.

3. Those Proceedings will be communicated to the Revenue Department in order that, with reference to G.O., No. 1,127, of the 4th April 1877, the attention of the Board of Revenue may be drawn to the reported difficulty of obtaining information from Curnams in the Eastern Delta, and to the remarks of the Officer in charge of the Western Delta, in the early part of his letter No. 570, on the failure to obtain accurate information from the Revenue Department.

(True Extract.)

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

(True Copy.)

Plongé

Major, R.E.,
Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the District Engineer, Godavery.
" Superintending Engineer, Kistna.
" Chief Engineer for Irrigation.
" Revenue Department.

Encl. A. F. Goodall.

28 Spare Copies

1881
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SP 21-4-77 at 2282 lines

Revenue 1878 Sept
N^o 3286
IRRIGATION
ACCOUNT.

Govt. of (1878) Madras.
PUBLIC WORKS.

To
The DISTRICT ENGINEER,
GODAVERY,
&c., &c., &c.

Dated July 6th.

Issued

Recd. 27

Encl.

G. O., 6th July 1878, No. 548 L.

JULY.

Nos. 29-30.

Superintendent

3 August 1878

No 1887 3 August 1878

27/7

Irrigation Registers for Fash 1287.—
Passing orders on Memorandum by Chief
Engineer for Irrigation submitting, with
remarks, letter from District Engineer,
Godavery, forwarding abstracts of —.

With order

No 1887
Communicated to
the Board of Revenue
in continuation of
O^r 21st April 1877,
No 2282 for report
on the complaints
referred to in para
3 of the foregoing
order.

CM

14 To the Board of Directors