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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3188	Press
B.P.—No.		Mis.
Dated	8 — 11 — 1875	—195—

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 8th November 1875.

No 195 Read the following endorsement of the Chief Engineer for Irrigation, dated 22nd October 1875, No 42 —

From A J. DODSON, Esq, Manager and Acting Chief Engineer of the Madras Irrigation and Canal Company, to Lieutenant-Colonel J MULLINS, R.E, Chief Engineer for Irrigation, dated Kurnool, 19th October 1875, No 116

September Reports.

I HAVE the honor to forward per book post copies of the Upper and Lower Divisions reports together with my own for the month of September 1875

MADRAS IRRIGATION AND CANAL COMPANY.

UPPER DIVISION

Monthly Report for September 1875

(1) Nothing of importance has occurred during the month The rainfall has been comparatively slight, but enough has fallen to secure the dry crops already sown They are in a good condition Should no more rain fall, the demand for water will probably be greater than usual later on

(2) The state of the crops now under irrigation is excellent Only one failure has been reported as yet, and that is due to bad soil

(3) Up to the 4th October tickets had been issued for 3,289 20 Acres, but more application are daily coming in, it is certain that the first crops will reach my estimate, *viz*, 4,769 66 Acres *

* This includes 396 59 Acres of the Lower Division

(4) The cholera in Nundial Taluq may have occasioned a little falling off, as for some days the making of channels was prevented in one are two villages, and the Company's officers were not allowed to enter the villages It is now checked considerably

(5) Upon careful inquiry it appears that the decrease of irrigation in Culloor (or Kurnool village) is principally due to the following causes —

(I) The landlords who as a rule do not cultivate their fields lease them for a few years, often three or four years only As these leases run out, they endeavor to raise their rents, especially on irrigated fields, this year for upwards of 40 Acres, 1 Rupee extra per acre was demanded, therefore the ryots refused to irrigate, and dry crops have been sown.

(II) The owner of the tannery near Kurnool has given up 33 Acres, it is said that through severe losses in business he was unable to sow rice and other crops requiring a certain outlay of ready money

(III) Other ryots have given up through failure of crops last year from rain, and some through mismanagement

Altogether 100 Acres have been given up and 25 Acres newly irrigated Probably next year the whole will be again under irrigation

(6) The result of investigation shows that, although the area irrigated in individual villages may fluctuate, there is a continual increase going on in the total irrigation, even in the worst seasons

(7) The bridge at Ulloor is now entirely completed for traffic

(8) It may be interesting to know that, although a few extra works are necessary at certain points to render navigation easy, I have been able to reach Puggadial from Kurnool with occasional stoppages in twelve hours in a small boat tugged by coolies unaccustomed to the work The distance is thirty-six miles There is no doubt that the rate of four miles an hour could be maintained when the tow-path is in proper condition and coolies have been trained.

Other trips have been made up the canal, and the rate of three miles an hour could be easily maintained

(9) The health of the staff has been good

(10) The usual forms accompany this report

(Signed) C H WILKS,
Conservancy Engineer

MADRAS IRRIGATION AND CANAL COMPANY

Register of Rainfall in Inches and Decimals of the following Stations during the Month of September 1875, *at* 6 A M *daily* —

Month and Date	Soonkesala	Kurnool	Jupaud	Valapanoor	Jutoor	Ayaloor
1st September 1875				0 10	0 30	.
2nd " " .	0 60	0 72	0 70	1 60	1 20	0 29
3rd " " .		0 10	2 00	0 45	1 70	0 66
4th " "	0 90	0 54	0 40	0 60	0 65	.
5th " " .	0 50	0 04	0 80	. .	0 30	...
6th " " .	...	..		.	0 25	. .
7th " " ..	.	...		. .		.
8th " " ..	. .	. .		.		...
9th " " .	.	0 08	.	.	...	. .
10th " " . .	...		.	..	.	0 19
11th " " .	...	0 13		..	0 30	.
12th " " . .	..	.	.	0 50		0 98
13th " "	0 20	1 73	0 90	.	0 75	0 12
14th " "	.	. .				
15th " "	. .	.	. .	...	.	...
16th " " ...	.		..		.	0 19
17th " "	0 15	0 38	0 40	0 30	0 60	
18th " "	. .		...	.	0 80	0 38
19th " " .	. .		. .	.		0 06
20th " "	.	0 22	0 50	0 20	0 15	...
21st " " ..	.	..	.	0 30	.	
22nd " " ...	.	. .		0 30		0 56
23rd " "		.	0 20	0 30	1 60	1 64
24th " " ...	0 40	1 27	1 00	0 30	2 00	0 16
25th " " . .		0 07	0 60	1 10		
26th " " ...		...		...	.	
27th " " .	.	.	. .		..	
28th " "	2 40	0 75		0 10	1 50	0 53
29th " "	.	...	0 10	0 20	.	0 04
30th " "	.	...	. .		.	...
Total	4 85	6 03	7 60	5 35	12 10	5 80

KURNOOL,
8*th October* 1875

(Signed) C H WILKS,
Conservancy Engineer

MADRAS IRRIGATION AND CANAL COMPANY

LOWER DIVISION

Report for the Month of September 1875

THE amount of rain which fell at Dhoor during the month was only 7 32 inches against a fall of 28 14 inches during September 1874, but in spite of the small amount of rain this year the dry crops are all very good, and the works of the canal have received no injuries of any kind. Some irrigation channels have been breached by heavy local storms, but the supply of water to the fields has never been interfered with for more than a few hours at a time.

IRRIGATION

2 In the Nundial Taluq the increase of area under wet cultivation first crop is very satisfactory, being 1,021 Acres against 512 Acres during last season; the crops look well, and the yield of grain promises to be full The large tanks in this taluq are at present full of water, and I therefore do not expect any demand for canal water to supplement their supply.

3. Sirwell Taluq shows an increase equally good with that in Nundial; the ryots there are later in sowing their paddy, and in consequence few tickets have as yet been applied for, but 1,029 Acres have been sent in, and I fully expect a final return of 120 per cent in this taluq over the returns of last season

4 In Koilkuntla Taluq the ryots are also very late in sowing paddy, and tickets for only 140 Acres have as yet been given out, but from the reports of the Overseers and Amins there is no doubt that ultimately we shall secure an addition of 50 per cent. on last season's returns in this taluq

5 In Jummulmadagoo Taluq we had no first crop paddy last year, but from the preparations making by the ryots, I anticipate a fair return from many villages

6 The taluq of Proddatoor in the Cuddapah District, which during the last two seasons made so marked an increase in its amount of irrigation, will, I fear, judging from the returns hitherto sent in, make very little progress this season, but if the rains of the north-east monsoon are not heavy, we may expect a great improvement in the second crops Throughout the Cuddapah Taluq irrigation has commenced extensively, but the ryots have as yet made no applications I, therefore, am unable to give any certain statement of the amount likely to be irrigated, but hope it will eventually show an increase over that of last year, as the completion of the Goorumpaud channel will open up a new district.

GENERAL

7 Not being myself able to visit Dhoor in order to conduct the Irrigation Settlement for the season of 1874-75, I appointed Mr. Crawford as my representative, who on the 12th instant met Kistna Row, the Deputy Collector of Cuddapah, and they, assisted by Mr Dunphy, completed all the villages in the district except Chennur, for in that important village no tickets were sent in by the Curnams until after the crops had been cut, and at the Settlement the Tahsildar of Cuddapah was obliged to acknowledge that he was unable to obtain any reliable information from the Curnams of the village as to the amount of acres irrigated, but I now propose to visit Dhoor myself, and hope soon to be able to come to a final arrangement as to this long delayed Settlement.

8 Cholera has visited most of the villages along the canal between Cuddapah and Nundial, but it has not been severe except in the town of Cuddapah, and I am happy to say that only two of the Company's servants, a lascar and a banker, have died from this disease, and it is now rapidly decreasing

KURNOOL,
12*th October* 1875

(Signed) A. J DODSON,
Conservancy Engineer

MADRAS IRRIGATION AND CANAL COMPANY

Acting Chief Engineer's Report to accompany the Divisional Reports for September 1875

THE dryness of this season has apparently extended to the Western Ghauts, for the river Toombuddra has not kept up to the height it generally maintains during September; but as yet the supply of water has never sunk below 6 inches over the anicut crest, and I hope we shall have sufficient water to enable our continuing the supply until the end of April

2 All the masonry works chargeable to Capital which were to be done this season are now nearly completed, including two 2nd-class bridges, and I am negociating for the supply of teak timber to enable our making the proposed alterations to the four 3rd-class bridges which the Madras Government have so frequently requested the Company to construct

3 From the details given in the reports sent in by the Conservancy Engineers, I think the prospects of a large and continuous increase of irrigation are very good, and as soon as the reductions of rates allowed by the new rules have by the lapse of time again reached the maximum of

Rupees 6, the extension of area sown will commence to tell upon the income largely, but this desirable result is delayed by the ryots so frequently changing the sites of their fields in order to retain the low rate of Rupees 3, ignorantly thinking, also, that they will on returning next year to their old fields be again allowed the low rate, a mistake which only experience of its falsity will induce them to forego, but in spite of this and many other difficulties thrown in the way of those who are so anxiously endeavoring to promote the prosperity of the canal as an irrigating power, I am sure that the fact of this season's irrigation not having been in any way interfered with by any fault in the construction or working of the canal, must have a very good effect in increasing the confidence of the villagers in the permanency of our works, so that they will not be afraid to invest their labor in wet crops, which, if the supply of water is sure, without doubt is far more profitable than any dry crop grown in this part of the country

4. Some freshes in the Caulee and Koonl river give an ample supply of water throughout the month to the 7th, 8th, and 9th Sections, and the Penner has been in flood most of the month.

12*th October* 1875

(Signed) A J DODSON,
Manager and Acting Chief Engineer.

MADRAS IRRIGATION AND CANAL COMPANY

Register of Rainfall in Inches and Decimals of the following Stations during the Month of September 1875, *at* 6 A M *daily* —

Month and Date	Soonkesala	Kurnool	Jupaud	Velapanoor	Jutoor	Ayaloor	Chintakunta	Rayly	Dhoor	Admapally
1st September 1875				0 10	0 30					..
2nd " "	0 60	0 72	0 70	0 60	1 20	0 29	.	0 20	0 09	
3rd " "	.	0 10	2 00	0 45	1 70	0 66	0 05	0 85	0 20	
4th " "	0 90	0 54	0 40	0 60	0 65	...	..	..	1 45	0 82
5th " "	0 50	0 04	0 80	.	0 30	...	...	..		
6th " "	...	..	.	.	0 25	.	.	.	..	..
7th " "	.	.	..	..		..	.	.		
8th " "	.	0 08	...	..	.	...	.	.	...	.
9th " "	...	.	...	..	.	..	.	..	.	..
10th " "	..	0 13	.	..	0 30	.	.	..	1 03	
11th " "	.	.		0 50	..	0 93	.	..	0 83	0 96
12th " "	0 20	1 73	0 90	...	0 75	0 12	0 09	.	..	0 18
13th " "	.	..	..	..	...				..	
14th " "	..	...	..	..	...	.	...	...	..	..
15th " "	..	..	..	..	.	0 19		..	..	...
16th " "	0 15	0 38	0 40	0 30	0 60		...	..	..	..
17th " "	...	.		..	0 80	0 38	...	..	..	
18th " "	...	.		..	..	0 06	..	...	0 45	0 28
19th " "	...	1 22	0 50	0 20	0 15	..	...	..	..	..
20th " "	...	...	..	0 30	...	..			0 05	0 11
21st " "	...	..	..	0 30	...	0 56	0 06	0 20	..	0 09
22nd " "	...	...	0 20	0 20	1 60	1 61	.	.	...	..
23rd " "	0 10	1 27	1 00	0 30	2 00	0 16	0 58	0 16	.	..
24th " "	...	0 07	0 60	1 11	...	..	..	...	...	.
25th " "	...	..	...	...	...	...		..	2 34	..
26th " "	.	.					1 69	0 45	0 64	
27th " "	2 40	0 75	..	0 10	1 50	0 53	1 41	0 25	0 21	..
28th " "	...	.	0 10	0 20	...	0 04	0 13	..	..	..
29th " "		..	...	..	...	.	...	.		
30th " "										
Total ...	4 85	6 03	7 60	5 35	12 10	5 80	4 31	2 11	7 32	3 04

KURNOOL,
12*th October* 1875.

(Signed) A J DODSON,
Manager and Acting Chief Engineer.

Proceedings of the Madras Government, Public Works Department,
8th November 1875.

SUBMITTED for the information of Government.
(Signed) JOHN MULLINS, Lieut.-Colonel, R.E,
Chief Engineer for Irrigation.

No. 196. ORDER THEREON, 8th November 1875, No 3,188.

IRRIGATION, No 11

ORDERED to be recorded.

(True Extract)

Major-General, R E.,
Secretary to Government.

To the Chief Engineer for Irrigation
" " and Manager of the Madras Irrigation and Canal Company
" Examiner of Railway and Irrigation Accounts
" Revenue Department

Exd W J Lewis
Spare Copies

0. W. 1/6/75

B. M. 2066/1/75

G.O. 8 January 75

Submitted for the information of Government

[illegible] Colonel R.E.

Chief Engineer [illegible]

22 Oct 1875

No. 3188 8 Nov 75

Ch: Engr for Irrn & Drainage [illegible]
Exr R. Accts
Revl. Dept

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Sobl. of 1875 Letters.

PUBLIC WORKS.

Ch. Engr. for Surg

10/11/75

8 hours

3188

Hen. 35-196

Petition in the matter of the Upper & Lower Sections of the Rideau Irrigation Canal

Do. for September 1875 - Petition of the Ch. Engineer for Irrigation - Submitting the Petition of the ——— Secretary