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

No. 121. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 27th September 1875, No. 39 :—

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, 16th September 1875, No. 102.

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 August 1875.

MADRAS IRRIGATION AND CANAL COMPANY.

UPPER DIVISION.

Monthly Report for August 1875.

The rain during the month has been slight, 3.50 inches at Kurnool, and the demand for water was becoming so urgent, that special coolies had to be put on for a time to assist in making the channels required in the 6th section and Nundial taluk. Towards the end of the month rain fell again in sufficient quantities to save the rice already sown.

2. The bridge at Ulloor is now finished, with the exception of a few feet of parapet wall and coping. The approaches are still incomplete, but the coolies are hard at work.

3. The talagutah No. 9 A in the 7th Section is progressing slowly: six arches have been turned.

4. During the month estimates have been sent in for new second-class bridges, one at Singaram, and one at Meechumy; also for widening the third-class bridges at Nidzoor, Moongelpand, Massamagood and Bollaram. None of these works can be completed till the next dry season, without letting water out of the canal or making expensive dams. The peak valleys, &c., for the third-class bridges can be prepared and a part of the approaches made to the proper width.

5. The new raising gears for Salmampore sluices have been completed in the workshops, as well as two for talagutah No. 3 in the 6th section. These, when completed, will give additional security to the safety of the canal.

6. Both Overseers and Ameens are very busy issuing tickets to ryots and seeing to the proper supply of the water.

7. In the Nundial taluk, the Deputy Collector Ramachandra Row, having purposely visited most of the villages, has induced several ryots to apply for water; in some cases he has succeeded where the people have hitherto refused to use canal water. The prospects in this taluk are much brighter than before, and I have no doubt water will be freely taken in most of the villages when the channels are in proper working order.

8. In my report for June I had occasion to mention the effect of the progressive rates. It appears that in the village of Meechumy 30 Acres have been given up in order that the new rates may be obtained. What new land will be taken up remains to be proved. In other villages the same action has taken place. In Kulloor (Kurnool) the estimated falling off is 74 Acres; inquiry will be made into the reasons for this decrease during September.

9. I append a list showing the actual duration of last year for first crops; 1st, for this year in the three taluks. The total shows 3,760-50 Acres applied for already and still to be applied for.

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10. The following statement will show that the Kurnool or Kalloor village and the five nearest villages have been gradually giving up irrigation since 1872:—

Name of Village.	1871-72, Actual 1261.	1872-73, Actual 1262.	1873-74, Actual 1263.	1874-75, Actual 1264.	1875-76.
Medunipad 1st crop	62 03	87 53	40 01	50 46	04 87
Do 2nd	22 28	05 29	25 00	22 06	...
Dry crop	3 07	...	...	...	...
Mamulapad 1st crop	53 61	01 57	08 99	60 01	48 00
Do 2nd	10 15	17 74	18 00	22 29	...
Do dry	20 70	...	...	...	...
Roz 1st crop	...	37 53	15 74	11 46	12 00
Do 2nd	1 16	2 25	7 65	8 70	...
Do dry	...	...	...	...	...
Kalloor 1st crop	401 03	180 48	440 75	373 02	300 0
Do 2nd	84 21	161 49	214 63	184 01	...
Do dry	1 54	1 00	2 05	...	...
Channapooram 1st crop	05 83	157 00	116 72	80 35	60 00
Do 2nd	2 30	9 20	11 61	18 98	...
Do dry	...	...	...	...	...
Poodoor 1st crop	34 78	04 21	04 01	16 76	40 00
Do 2nd	1 00	1 28	7 82	21 04	...
Do dry	11 00	...	10 57	...	...

Continued on page 10.

11. With my Sanction Report I have forwarded a complete list of the acreage irrigated in each village in the upper sections for each year from 1871 including the estimated area for 1876. This will show the increase or decrease in every village.

12. Some cases of crops have occurred in the district, but scarcely so much as usual in August.

(Signed) C. H. WILKS,
Commissioner, Madras.

Table showing Areas irrigated for First Crop in the Season 1874-75 and probable Irrigation for First Crop in the Season 1875-76.

	1874-75, Actual.	1875-76, Probable.
Medunipad	12 28	3 00
Mamulapad	4 81	3 24
Roz	62 32	52 59
Kalloor	45 00	36 37
Channapooram	30 15	121 28
Poodoor	50 40	61 67
Channapooram	65 04	48 03
Poodoor	11 46	12 00
Channapooram	8 70	10 00
Poodoor	22 29	300 00
Channapooram	80 35	60 00
Total	321 23	712 11

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Table showing Areas irrigated for First Crop in the Season 1874-75, &c.—(Continued.)

	1874-75, Actual Irrigated.	1875-76, Probable Irrigation.
<i>Nandikottakoor Taluk.</i>		
Pasapoola Roodravaram	48 48	20 00
Poodoor	16 16	60 00
Uloor	35 51	50 00
Satanicota	100 06	70 00
Mulleyala	110 36	165 83
Maddigetta	36 40	27 61
Bogniramoala	14 67	19 73
Nagatoor	111 87	126 03
Moonvakkonda	73 97	112 65
Veerapooram	83 32	43 95
Villala	21 69	7 00
Moodhoomaray	417 41	330 22
Palamaray	21 89	24 06
Geervol	88 03	46 30
Pratakota	209 88	232 19
Egadiat	107 51	81 94
Lutchmapooram	1 01	...
Pannavaram	315 52	360 60
Cooramloop	3 20	9 76
Chippad	63 80	58 00
Sollavaram	28 37	27 00
Mittakundala	...	20 00
Bunoor	59 44	85 00
Pannapully	10 45	10 00
Cooram	148 46	128 91
Molunda Roodravaram	270 46	238 16
Pannipad	261 94	314 10
Pannipully	74 33	60 00
Cooramloop	30 65	100 00
Waddoor	10 82	35 00
Channapooram	28 83	3 00
Wanala	15 32	20 00
Vempada	2 72	20 00
Velpanoor	46 79	100 00
Egadiapoodoor	47 82	50 00
Korrapoor	25 78	25 00
Pavaripally	5 41	10 00
Total	2,480 17	3,031 58

Nandikottakoor Taluk.

Channapooram	64 27	150 00
Channapooram	45 37	50 00
Channapooram	21 38	30 00
Channapooram	12 14	5 00
Channapooram	60 17	250 00
Channapooram	2 20	50 00
Channapooram	...	5 38
Channapooram	...	5 00
Channapooram	...	...
Channapooram	21 55	10 00
Channapooram	21 00	70 00
Channapooram	1 00	...
Channapooram	35 49	55 00
Channapooram	75 00	70 13

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Table showing Areas irrigated for Paddy Crop in the Season 1874-75, &c. (Continued.)

	1874-75.	1875-76.
	Actually Irrigated.	Probable Irrigation.
<i>Nandivati Taluk—(Canal)</i>		
Nandivati	41 49	57 00
Nandivati Godavari	*103 04	113 82
Chinnaiyann	1 30	...
Chinnaiyann	6 30	7 00
Chinnaiyann	1 14	20 46
Chinnaiyann	3 24	23 04
Chinnaiyann	8 18	19 02
Chinnaiyann	2 51	...
Chinnaiyann	2 00	8 60
Chinnaiyann	2 00	...
Chinnaiyann	20 40	2 60
Chinnaiyann	...	5 41
Chinnaiyann	...	30 00
Total	512 80	1,020 97
Grand Total	4,318 49	4,769 50

The above figures are approximate and should be taken as such.

Witness my hand and seal this 8th day of October 1875.
(Signed) C. H. WILKS,
Conservancy Engineer.

Lower Division.

Report on the State of the Division for August 1875.

The State of the Division for August 1875 has been kept in good order and the rain which has fallen during the month has done very little damage to the crops. The crops are generally well advanced and the rain which has fallen during the month has done very little damage to the crops.

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

mention them. No doubt, however, the prevalence of cholera in Chennur, the principal village under the canal, has caused a panic among the ryots and induced them to delay commencing wet cultivation.

7. The alarm about cholera has not been without good cause; at Cuddapah it has been very severe for the last five weeks, and it extended rapidly to the villages along the Pennar, such as Chennur, Adamapully, Comsloor and Kotaloor; at the former village especially it was very severe. It extended up the canal as far as Pedda Chinnaiyann in the Sivrell taluk including Dhoot where many deaths occurred; but I am happy to say none of the Company's employees have been attacked, and the disease seems rapidly decreasing at all these places.

8. I attach a table of the rainfall which has been in general much less than that of August 1874; at Adamapully only has it been heavy.

RURNOL,
13th September 1875.

(Signed) A. J. DODSON,
Conservancy Engineer.

Register of Rainfall in Inches and Decimals during the Month of August 1875 at 6 A.M. daily.

Month and Date.	Chinnaiyann	Kottaloor	Kottaloor	Kottaloor	Kottaloor	Kottaloor	Kottaloor	Kottaloor	Kottaloor	Kottaloor
1st August 1875	0.15	...	0.10	0.50	0.38	0.46	...	0.07	0.22	1.18
2nd do.	...	...	0.10	0.50	0.38	0.46	...	0.07	0.22	...
3rd do.	...	...	0.10	0.50	0.38	0.46	...	0.07	0.22	...
4th do.	...	...	0.10	0.50	0.38	0.46	...	0.07	0.22	...
5th do.	...	...	0.10	0.50	0.38	0.46	...	0.07	0.22	...
6th do.	0.05	0.45	0.30	0.40	0.30	0.40	0.40	0.40	1.10	1.33
7th do.	0.15	0.10	0.20	0.10	0.25	0.10	0.10	0.10	...	...
8th do.	1.00	0.70	1.20	0.20	0.95	0.06	0.25	...	...	0.40
9th do.	0.10	0.94	0.10	0.10	0.30	...	0.45	...	0.62	...
10th do.	...	...	...	...	0.20	...	...	...	...	...
11th do.	...	...	...	...	...	...	...	...	...	...
12th do.	...	...	...	...	...	...	...	...	...	...
13th do.	...	...	...	...	...	...	...	...	...	...
14th do.	...	...	...	...	...	...	...	...	...	...
15th do.	...	...	...	...	0.20	0.48	...	...	...	...
16th do.	...	0.07	0.50	0.10	0.55	...	...	...	0.10	...
17th do.	...	...	...	...	...	...	...	...	...	...
18th do.	...	...	...	...	...	...	...	...	...	...
19th do.	...	...	...	...	...	...	...	...	...	...
20th do.	...	...	...	...	...	...	...	...	...	...
21st do.	...	...	...	...	...	...	...	...	...	...
22nd do.	...	...	...	...	0.15	...	0.06	...	...	...
23rd do.	...	...	...	...	...	...	...	...	0.19	...
24th do.	...	...	...	...	...	0.17	...	...	...	...
25th do.	...	...	...	0.20	...	...	...	...	0.04	...
26th do.	0.20	0.02	...	...	0.25	...	...	0.5	0.21	...
27th do.	...	...	...	...	0.20	0.89	...	0.80	...	...
28th do.	0.30	0.30	2.40	0.60	1.70	1.31	2.00	0.80	1.00	...
29th do.	2.80	0.18	0.60	0.10	0.15	...	0.11	...	0.13	6.92
30th do.	0.10	0.10	0.10	0.10	0.30	0.00	...	0.35	0.22	...
31st do.	0.50	0.07	...	...	0.35	...	...	...	1.43	1.45
Total	5.25	4.50	5.90	2.60	6.51	4.29	3.51	3.27	6.42	11.21

RURNOL,
13th September 1875.

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

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

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

The supply of water for irrigation has been ample throughout the month; but the Toombudra has not risen so high as it did in August 1874 by two feet, but towards the close it rallied, and on the 31st was 1.25 feet higher than at the end of August 1874. The Pennair during nearly the whole month was much lower than its average for this season, and the supply at Nellore became so low that on the 28th the Chief Engineer for Irrigation telegraphed asking me to let all the water I could spare pass through our under sluices. I did so at once, but on the 29th a fresh came down both the Pennair and Koond rivers which removed all fear of scarcity of water.

The records of the rainfall do not show any heavy amount through the month, except that at Adampully on the 28th, but about that time the fall must have been very heavy among the Erramalai Hills where the Koond rises, for the flood washed away the viaduct near Colwa which carries the Nundial road across the Koond, and the next morning the Hindry rose in flood all over the lower part of my compound and nearly came into my house; but no injury was done to any of the works on our canal, all both those on the Main Canal and Distribution Works having been maintained in good working order.

The prospects of this season's irrigation seem, on the whole, very good, though there has been a considerable falling off in some of the villages near Karnool, but in all the taluqs south of Ramaleotta in the Karnool District there is a marked increase in the area already applied for; in some villages, such as Madamunni, the ryots seem to prefer abandoning fields they irrigated last season, and take up new lands for irrigation, seeming to prefer to spend extra time and labor on such land to paying an extra Kopen water-rate, but I think after a few seasons' experience of such experiments they will find it better economy to re-commence on their old fields, as the first year's crop of newly-cultivated land is seldom a good one.

Although the cholera has been very bad at Ondalipah and some of the villages in that district through which the canal passes, yet I am happy to say that, as yet, I have not heard of any of the employees of the Company having been attacked.

Karnool,
18th September 1875.

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

Submitted for the information of Government.

2. The prospects of irrigation this season near Karnool are indifferent; further south they appear to be very good.

3. The report of the Upper Division (paragraph 9) is incomplete; and, as these monthly reports are printed, it would be well were clerical errors eliminated.

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

No. 122

Goverment Order, 8th October 1875, No. 2,384.

MEMORANDUM No. 11

ORDERED to be recorded

(True Extract)


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

To the Chief Engineer for Irrigation:
Chief Engineer and Manager, Madras Irrigation and Canal Company.
In charge of Railway and Canal Accounts.
Revenue Department, Madras.
Edw. E. C. Munster
Private Copies

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Cont. of 1875; Madras

PUBLIC WORKS.

THE CHIEF ENGINEER AND TREASURER

Madras

By Order of the

22^d

OCTOBER

1875

to the Board of Public Works

1875
Board of Public Works
22^d Oct 75