

*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 taluq. 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 calingulah 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 Singarum, and one at Moochmurry; also for widening the third-class bridges at Nidzoor, Moongelpaud, Massamuggeed and Bollarum. None of these works can be completed till the next dry season, without letting water out of the canal, or making expensive dams. The teak railings, &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 Sultanpoor sluices have been completed in the workshops, as well as two for calingulah No. 3 in the 4th 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 taluq, the Deputy Collector Ramachendra 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 taluq 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 Moochmurry 70 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, 1st, the actual irrigation of last year for first crops; 2nd, for this year in the three taluqs. The total shows 4,769.66 Acres applied for already and still to be applied for.

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10. The following statement will show that the Kurnool or Kulloor village and the five nearest villages have been gradually giving up irrigation since 1873:—

Name of Village.	1871-72. Fasli 1291.	1872-73. Fasli 1292.	1873-74. Fasli 1293.	1874-75. Fasli 1294.	1875-76.
Moongalpaud 1st crop ...	62 03	87 53	60 31	59 46	61 87
Do. 2nd " ...	23 65	22 29	15 50	22 96	...
Dry crop ...	3 97	...	...	...	...
Mamidalpaud 1st crop ...	53 31	91 57	58 99	60 04	48 09
Do. 2nd " ...	10 15	17 74	18 99	22 23	...
Do. dry " ...	20 70	...	...	...	...
Roza 1st crop ...	1 16	27 59	15 74	11 46	12 09
Do. 2nd " ...	...	2 25	7 85	8 70	...
Do. dry " ...	...	...	...	...	...
Kulloor 1st crop ...	401 96	485 48	440 75	373 93	300 0
Do. 2nd " ...	84 31	161 49	214 63	181 01	...
Do. dry " ...	1 54	1 96	2 05	...	...
Joharapoorum 1st crop ...	95 83	157 90	116 72	80 35	60 09
Do. 2nd " ...	2 80	9 91	11 61	18 93	...
Do. dry " ...	34 78	58 51	34 93	16 16	60 60
Poodoor 1st crop ...	1 56	1 24	7 62	23 54	...
Do. 2nd " ...	31 96	...	19 57	...	...

* Includes chilies.

11. With my Settlement 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 1875. This will show the increase or decrease in every village.

12. Some cases of fever have occurred in the staff, but scarcely so much as is usual in August.

(Signed) C. H. WILKS,
Conservancy Engineer.

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

	1874-75.	1875-76.
	Actually Irrigated.	Probable Irrigation.
<i>Ramallacota Taluq.</i>		
Sponkasala ...	12 83	8 00
Konitolpal ...	3 81	3 31
Yedooroor ...	65 32	52 99
Gopalasingavarum ...	58 80	36 57
Nidjoor ...	93 15	121 23
Moongalpaud ...	59 46	61 87
Mamidalpaud ...	60 04	48 09
Roza ...	11 46	12 09
Kurnool ...	8 33	10 00
Kulloor ...	373 93	300 00
Zoharapoorum ...	80 35	60 09
Total ...	825 53	714 11

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Table showing Areas irrigated for First Crop in the Season 1874-75, &c.—(Continue 1.)

	1874-75.	1875-76.
	Actually Irrigated.	Probable Irrigation.
<i>Nundicottakoor Taluq.</i>		
Pasapoola Roodravaram ...	48 48	20 00
Poodoor ...	16 16	60 00
Ulloor ...	35 51	50 00
Satanicota ...	100 66	70 00
Mullayala ...	110 36	105 88
Maddigatla ...	36 49	27 61
Begniramoora ...	14 67	19 78
Nagatoor ...	111 37	126 98
Moorvakonda ...	78 97	112 55
Veerapoorum ...	88 32	43 35
Villala ...	21 69	7 00
Moochoomarry ...	417 41	330 22
Palamarry ...	21 89	24 06
Beervol ...	88 03	46 39
Pratakota ...	209 88	232 19
Pagadial ...	107 51	81 94
Lutchmapooram ...	1 01	...
Ganapavaram ...	345 52	360 69
Toommaloer ...	3 20	9 70
Tatipad ...	63 80	58 00
Bollavaram ...	28 37	27 00
Mittakundala ...	...	20 00
Bunnoor ...	59 44	85 00
Terrigapully ...	10 43	10 00
Jootoor ...	148 46	128 91
Cholimila Roodravaram ...	270 48	238 16
Pumulpad ...	261 94	314 10
Cumbalpullu ...	74 33	60 00
Toodicherla ...	30 55	100 00
Moddoor ...	10 52	35 00
Banamookkoola ...	23 83	5 00
Wanala ...	15 32	20 00
Vempenna ...	2 72	20 00
Velpanoor ...	46 79	100 00
Regadagoodoor ...	47 92	50 00
Korrapaloor ...	22 73	25 00
Iyavaripally ...	5 41	10 00
Total ...	2,980 17	3,031 58
<i>Nundial Taluq.</i>		
Bileulgoodoor ...	64 27	150 00
Pesaravoy ...	45 37	50 00
Paramatoor ...	21 38	30 00
Bojanum ...	12 14	5 00
Karimadulla ...	60 17	250 00
Boojanoor ...	2 20	50 00
Chindakoor ...	...	4 38
Tirripad ...	3 19	5 00
Karatamuddy ...	1 00	...
Kakanoor ...	11 55	10 00
Yerragoontla ...	21 00	70 00
Bundiatmakoor ...	1 00	...
Do. ...	35 42	35 00
Chabole ...	36 00	75 13

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

	1874-75.	1875-76.
	Actually irrigated.	Probable Irrigation.
<i>Nandial Taluk. — (Concl.)</i>		
Noonapally ...	41 49	57 03
Nandial or Cootapally ...	103 05	113 83
Ponnampooram ...	1 30	7 00
Bollavaram ...	6 30	20 46
Byapacoor ...	1 14	22 64
Iyavaricodoor ...	9 24	19 02
Kernapad ...	8 18	...
Ramapooram ...	2 81	8 30
Parnapully ...	2 00	...
Bheemavaram ...	2 00	...
Billalapooram ...	20 40	5 41
Poesooloor ...	...	30 00
Pochimaddy ...	...	...
Total ...	512 60	1,020 97
Grand Total ...	4,318 30	4,769 06

* This figure requires confirmation; some slight alteration may be necessary.

KURNOOL,
September 1875.

(Signed) C. H. WILKS,
Conservancy Engineer.

LOWER DIVISION.

Report for the Month of August 1875.

All the Main Canal works in this division have been kept in good order, and the rain which has been much less than the average during this month has done very little damage to the Irrigation Channels and none to the Main Canal.

2. The Beempad bridge in the 6th Section was fully completed and opened to the public traffic on the 20th instant; it would have been finished sooner, but for the difficulty of obtaining work-people owing to the presence of cholera in the village.

3. *Irrigation.*—The prospects of irrigation in the Sirwell and Keilcoontla taluqs are very good; in many villages the increase already recorded for first crops has been from 50 to 120 per cent. over that of last season, and some villages are now taking water extensively which never took it before.

4. In Keilcoontla taluq the increase during August has not been so marked; but I have heard of numerous applications made during the first week of September which make me hope that eventually it will not fall short of Sirwell in its percentage of increase.

5. In the three taluqs of the Cuddapah District, the irrigation is carried on fully one month later than in the Kurnool District; we have therefore no certain data yet on which to form an estimate of the probable extent of this season's wet cultivation; but the Prad-lator taluq is showing its usual tendency towards increase, and about 150 acres of indigo have received a flooding to save the crop which was withering during the dry portion of the month.

6. From the Cuddapah taluq we have, as yet, received no applications, and I fear some influences are at work which may account for the delay, but at present it is too soon for me to

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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 Pennair, such as Chennur, Adamapully, Comaloor and Kotaloor; at the former village especially it was very severe. It extended up the canal as far as Pedda Chintacoonta in the Sirwell taluq including Dhoor where many deaths occurred; but I am happy to say none of the Company's employes 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.

KURNOOL,
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.	Sootakala.	Kurnool.	Jupad.	Velapoor.	Juoor.	Ayaloor.	Chintacoonta.	Rajooly.	Dhoor.	Adamapully.
1st August 1875 ...	0.15	...	0.10	0.50	0.33	...	...	0.07	0.22	1.13
2nd do. ...	...	...	0.10	0.10	...	...	...	...	...	...
3rd do. ...	...	...	0.10	...	...	...	...	...	...	...
4th do. ...	...	...	...	...	...	0.09	...	...	1.63	...
5th do. ...	0.05	0.45	0.30	0.40	0.30	...	0.62	1.10	...	1.33
6th do. ...	0.15	0.10	0.20	0.10	0.25	0.19	0.10	...	...	...
7th do. ...	1.00	0.70	1.20	0.40	0.95	0.06	0.28	...	...	0.40
8th do. ...	0.10	0.94	0.10	0.10	0.30	...	0.45	...	0.62	...
9th do. ...	...	...	...	...	0.20	...	...	...	...	...
10th do. ...	...	...	...	...	...	...	...	...	...	...
11th do. ...	...	...	...	...	...	...	...	...	...	...
12th do. ...	...	...	...	...	...	...	...	...	...	...
13th do. ...	...	...	...	...	...	...	...	...	...	...
14th do. ...	...	...	...	...	0.20	0.48	...	...	...	...
15th do. ...	...	0.07	0.50	0.10	0.55	...	...	...	0.10	...
16th do. ...	...	...	...	...	...	...	...	...	...	...
17th do. ...	...	...	...	...	...	...	...	...	...	...
18th do. ...	...	...	...	...	...	...	...	...	...	...
19th do. ...	...	...	...	...	...	...	...	...	...	...
20th do. ...	...	...	...	...	...	...	...	...	...	...
21st do. ...	...	...	...	...	0.15	...	0.05	...	...	...
22nd do. ...	...	...	...	...	...	...	...	...	0.19	...
23rd do. ...	...	...	...	...	...	0.17	...	...	...	...
24th do. ...	...	...	...	0.20	...	...	...	...	0.04	...
25th do. ...	0.20	0.02	...	...	0.28	...	...	0.15	0.21	...
26th do. ...	...	...	...	...	0.20	0.88	...	0.80	...	...
27th do. ...	0.30	0.90	2.40	0.60	1.70	1.91	2.00	0.80	1.60	...
28th do. ...	2.80	0.15	0.60	0.10	0.15	...	0.11	...	0.18	6.92
29th do. ...	...	0.10	0.10	0.10	0.60	0.06	...	0.35	0.22	...
30th do. ...	0.50	0.07	...	...	0.35	...	...	...	1.41	1.43
31st do. ...	...	...	...	...	...	...	...	...	...	...
Total ...	5.25	3.50	5.60	2.50	6.51	4.29	3.61	3.27	6.42	11.21

KURNOOL,
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 Adamapully 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 Kurnool, but in all the taluqs south of Ramalcotta in the Kurnool District there is a marked increase in the area already applied for; in some villages, such as Moomchurry, 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 Rupee 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 off newly-cultivated land is seldom a good one.

Although the cholera has been very bad at Cuddapah 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 employes of the Company having been attacked.

Kurnool,
14th 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 Kurnool 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.

ORDER THEREON, 8th October 1875, No. 2,884.

IRRIGATION, No. 11.

ORDERED to be recorded.

(True Extract.)

Major-General, R.E.,

Secretary to Government.

To the Chief Engineer for Irrigation. *with 6 enclos.*
" Chief Engineer and Manager, Madras Irrigation and Canal Company.
" Examiner of Railway and Canal Accounts.
" Revenue Department.
Exd. E. C. Shunker.
Spare Copies

N. 122 39
Submitted for the information of
Government. *H. 5*

Enclosure 4.

The prospects of irrigation this season near Kurnool are indifferent: further south they appear to be very good.

2. The report of the upper Division (para 9) is incomplete, and, as these monthly reports are printed, it would be well were clerical errors eliminated.

*Wm. Mullins Lieut. Col. R.E.
Chief Engineer for Irrigation*

*Col. Mullins
29. Sept. 1875*

*The Secretary to Government
S.H.O.*

No 2884

S.H.B.

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Pro: of the Madras Government

Under date the 8th Oct 1895

Read the following

From the Ch. Engr for S/H.E. Co. ³⁹ ~~11~~ of 24th Sept 1895

Recorded.

by 30/9

[Signature]

[Signature]

Chrgs for Engr	5	with 4	Orig. Enclosures
Chrgs & Manager in Exccs	3		
Ex Engr & Comm. Accts	7		
Rev. Acct	21		
		53	
		6	

Office 17 Sept - 21-10-95

R.M. 1895 Sept.

No: 6459

From

The Chief Engr.
for Irrigation.

Dated 24th Sept. 1895.
Recd 11th Oct. 1895.

G.L. No: 1124.39.

Submitting Reports
on the works of the Upper
& Lower sections of the
M.S.E. Co. for August
1895

S.D. 2884. A-10-95

6459
Govt. of [1875] Madras.
PUBLIC WORKS.

To

The Chief Engr.
for Irrigation.

Dated

Issued

Recd.

Encl.

G. O., 8th Oct 1875, No. 2884

Nos. 121-122

Reports on the works
of the Upper & Lower
Sections of the M.S.C.
Co. for August 1875.-

Endorsement of the
Chief Engr. for Irrigation
submitting with
remarks the ———,
recorded.