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GOVERNMENT OF MADRAS

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1927

No. 120. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 4th October 1876, No. 206 W. —

From J. H. LATHAM, Esq., Chief Engineer and Manager of the Madras Irrigation and Canal Company, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Kurnool, 22nd September 1876, No. 92.

August Reports.

I have the honor to forward, per book post, the copies of the Upper and Lower Divisional Engineer's Reports, together with my own for the month of August 1876.

MADRAS IRRIGATION AND CANAL COMPANY.

Upper Division.

Monthly Report for August 1876.

Water.—There is an abundant supply; up to this date has had no effect on the height in reservoirs. It has been nearly 4 feet in Somilvaudu all through the month, and is now raised to 4·0, and at Jayapuram bridge 3·7.

The evaporation of the oil seems to have been successful. The gauges showing the depth of water are much more uniform than hitherto.

2. *Rain.*—There has been very little during the month—

At Gooty	...	2·10
Kurnool	...	1·50
Jurmal	...	0·05
Veldurthy	...	0·30
Goolur	...	2·50
Ayacut	...	0·79
Average ...		1·37

The wet bed cropping was continued on Kurnool. During the whole month, being in strong and westerly breezes most of the day from one to the other, I was unable quite to discontinue the use of the sprays at Kurnool yard.

It seems that at Veldurthy a timely shower on July 31st to 1st August more than 2 inches fell over the cotton, which grew luxuriantly. But both north and south of this there followed a long succession of days with only dashy showers and cloudy days, and very backward.

The best results at Kurnool from June the 1st are 6·75 on three acres.

3. *Progress of the Upper or Cheyair Canal.*—There will be completed during the month 3 miles 40 chains to Gundlakrepad sandstone.

4. *Progress of the Lower Canal.*—The 2 miles 2 No. 2 additional pan puddled extra thickness of the wedge puddle which has not passed here 3 days, and will be tried to do three days' work to 4 miles more in four days.

Of the works the lining is still proceeding with, chiefly rough stone lining on Kurnool Pungunoor the lining, which is done in the plinth. Rest in the middle and commenced at Pungunoor valley is also done with rough stone lining. It was in a very dangerous state, but now it is safe, and has stood some pressure well. I was at Veldurthy and pointed out [illegible] the lining was done.

It was not found necessary to lower water in [illegible].

The principal work has been the two Cuttums. We were hindered by a breach which occurred [illegible] above Kurnool. At that part of the [illegible] between [illegible] and [illegible]

for a few hours. The intake sluice of stock return, and as the great 42 inch iron lock there remains dry after the unusually hot season months have produced ends. Cost of repairing this lock will not be more than 250 Rupees or £20. Water to be led as regularly to this part that canal can hereafter be used.

Water had been let on this portion so that the new inlet sluice became down to the Lock No. 1.

The Inlet sluices are fixed on Locks Nos. 1, 2, 3, 4, and 5, and have been put up at No. 4. I hope in a few days to be able to work supplies down to Velagamuru, but as no return boats are coming, the work will wait here.

The valves pending Government will be fixed through out the whole range of locks and many other necessary repairs effected.

It has been suggested to divert the Ingeru at Chintalapudi into the Canal's bank by cutting a drain from the bottom sluice of the Embankment, culvert and turning the stream in the south direction into the channel and Vagu beyond and the bridge which does not run into the bank.

9. *Distribution.*—2 to 3 additional Distributors will be required to become useful whole in my division. As since plans and estimates have been prepared, nothing else will have, and it would be vexatious that to even a fly across the irrigation is not required.

It would seem natural that when the supply has failed all round, including the head of a little later that the cycle should take water for drawn, but in spite of some hints and drawings of which crops, sodden the only 33 acres have been sent in as yet. At Kolanukonda Overseer reports that the cycles are not requiring that, since August last water before their cessation watering and now do not take.

The cycles seem to know no fear that canal water will injure the fields. It cannot be supposed that he would refrain from using it when he sees no reason at the flowers 2 years often as would have to pay.

9. The preparations have been completed to supply water from Kistna canal to the requirements west of Gudivada with Kistna water for drawn, but in spite of some hints and drawings of which crops, sodden the only 33 acres have been sent in as yet. At Kolanukonda Overseer reports that the cycles are not requiring that, since August last water before their cessation watering and now do not take.

The cycles seem to know no fear that canal water will injure the fields. It cannot be supposed that he would refrain from using it when he sees no reason at the flowers 2 years often as would have to pay.

8. Gundla tank was empty a few days before but the ryots are unwilling to take water from us as they are under the impression that they have a right to water for nothing, owing to the question of the tank-supply which has been much discussed, but is still undecided.

9. With the exception of the 1st and 3rd ranges, I have not received the estimates of total irrigation to be expected and in consequence of the new arrangements whereby the Overseers may record applications, tickets for which are afterwards given, the true state of irrigation is not shown by the tickets received.

10. A copy of applications made up to date through the Company's officers is sent herewith.

11. The health of the staff has been good, a few cases of fever only have occurred.

The staff were away from 7th to 22nd August 1876.

(Signed) C. H. WELLS,
Government Engineer.

To

Chief Engineer for the Month of August 1876, *at Head-quarters.*

Sections.						
Date.						
1st				0·60	0·10	
2nd			0·50	0·40	0·10	
3rd				0·30	0·30	
4th			0·10		0·10	
5th					0·30	
6th					0·45	
7th					0·60	
8th			0·20	0·10		
9th					0·45	
10th						
11th						
12th						
13th						
14th			0·07	0·50	0·30	
15th			0·50	0·30	0·30	
16th						
17th					0·30	
18th			0·20	0·10	0·10	
19th					0·30	
20th					0·30	
21st					0·30	
22nd					0·30	
23rd					0·30	
24th					0·30	
25th					0·30	
26th					0·30	
27th					0·30	
28th					0·30	
29th					0·30	
30th					0·30	
31st					0·30	
Total			2·10	1·50	5·50	0·30

(Signed) C. H. WELLS,
Government Engineer.

Chief Engineer's Office,
Madras, the 10th *September* 1876.

Statement showing the Area applied for Water, &c.—(Continued).

No.	Name of Village.	Area on the Register received up to 31st August 1876.		Area cultivated in 1875-76.		
		A.	C.	A.	C.	
	Nandyal Taluq.					
1	Billanjeedoor			319	98	
2	Pasupuloy			46	93	
3	Tatrapadoor			38	72	
4	Gudimuntla			6	95	
5	Bolgatoor			2	36	
6	Gudigaravemuntla			4	09	
7	Kazeepetdoddy	32	15	213	65	
8	Bandanoor			52	73	
9	Chinthakoor			9	61	
10	Tatrapad	0	26	18	60	
11	Kondamvaddi			9	51	
12	Kakunoor			23	60	
13	Pedamuddy	14	05	23	71	
14	Gundlatimakoor			12	20	
15	Yeragoorla	50	25	63	79	
16	Peramuddy			3	07	
17	Tadimarri	40	20	12	80	
18	Jangamdoor	24	81	51	13	
19	Byrapoor	1	60	21	02	
20	Nandial or Gurrugoody	130	36	* 513	36	* Includes 706.52 acres
21	Bethamcherla	6	13	32	46	under Nandial tank.
22	Bethapoorum			20	34	
23	Yerragoody	64	48	213	55	
24	Chinnoor	45	40	133	49	
25	Tamalpet			11	36	
26	Bethamvaram	2	93	0	00	
	Total ...	389	07	2,042	39	
	Grand Total ...	1,706	67	9,265	96	

Kurnool,
14th September 1876.

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

Lower Division.

Report for the Month of August 1876.

Owing to the unseasonable dryness and heat of the season the cracks in the banks have been very numerous and of serious size, requiring some skill and care on the part of the Overseers to treat properly. The Engineer and Overseer can easily be conceivably last week, but seen employed to cut these cracks annually as it is done in a very superficial manner, large gaping fissures extending considerably towards the bottom, being nearly covered at the lip of earth.

I cannot refrain to draw what a great deal of loss and mischief the Government should expect on this work, if every to satisfy themselves of the safety of the tanks.

2. A small breach occurred during the early part of the month in the left bank near Tank No. 9 (date 11th ult.). It seems to have been caused by rains, and not by a spring. The supply of water was not stopped, as was supposed 2nd day.

3. Since my return from leave I have been making my visits in the Lower Division on arrangements for strengthening the sea and channel banks and satisfying myself that the Overseers (two of whom have been recently appointed) thoroughly understand their duties. During the next or next month I hope to take the [illegible] soon [illegible], it is now being [illegible] tanks.

4. There has been an abundance of [illegible] or to any command, enough for any extent of land that I may be called upon to irrigate.

The rivers, streams, and tanks are almost perfectly dry, except those rivers which receive the Cooum water by means of the canal.

5. Until an additional quantity of water was sent down the Kondair there was insufficient water at the Aiyampally anicut across the Kosasthalaiyar for the 10½ Station Irrigation.

Consistency of water in the Kosasthalaiyar is, I believe, never been experienced before.

6. I enclose the monthly table of rainfall.

The fall has been unusually scanty, but we have yet to get the September rains which are always the heaviest.

7. *Irrigation.*—The ordinary irrigation is already in excess of last season's, and all the Overseers report that the demands for water for next crops will be larger in nearly every village.

It is not only visible to the drought; I can also, I feel certain, attribute the irrigation [illegible] here (the 6th September) at the least.

8. I visited many villages in the Saidapet and Kolliyattu talooks this month, and I find that water cultivation is steadily increasing, and will increase if the crops are encouraged cautiously advised, and not dissuaded from using the water, on the supposition that it is bringing discomfort, added charges, and additional work on to the shoulders of the landed and village [illegible] these latter with a self-constituted governing body of rich men (who, while trying to obtain [illegible] private, make huge profits out of the dry lands put entirely into their power by the poverty [illegible] poor, determine to raise a little money by cultivating a valuable crop by means of [illegible] water.

9. A village (Nungalapally), above which I wrote in a former season's report, has for [illegible] received from stagnant and water is in excess to irrigate area [illegible], and to adopt [illegible] the water for drinking purposes, several of the villagers having contracted a few years [illegible] sickness through drinking it, as supplied by an inferior channel.

10. Another village (Pudupakam) found cultivation of sugarcane fully appreciated. All the available land [illegible] by the crop at high [illegible] assessment, as being specially [illegible] suitable for cultivation. Some landowners reporting a shortage of some considerable length said, if requisite, they would find themselves [illegible] extra which had for a number of years [illegible] Believe cultivation to be dispensed with.

11. There are several other villages where irrigation has obtained a firm footing, and I [illegible] that [illegible] more extensive, as there is [illegible] to extend under [illegible] cultivation, and [illegible] crops, and many [illegible] of opening of the sluices beyond the [illegible] communities.

12. In a few out of the villages the value of rice is largely reduced. The [illegible] whose fathers have never eaten any other grain than cholum, cumbu or paniyarg, regard [illegible] as a luxury. Those about to [illegible] with several others from appearing, the most [illegible] (There is only the slightest intention of growing the water for sale, as they find and for the double [illegible] of using it to the best [illegible] returning [illegible] and [illegible] three million [illegible] money.

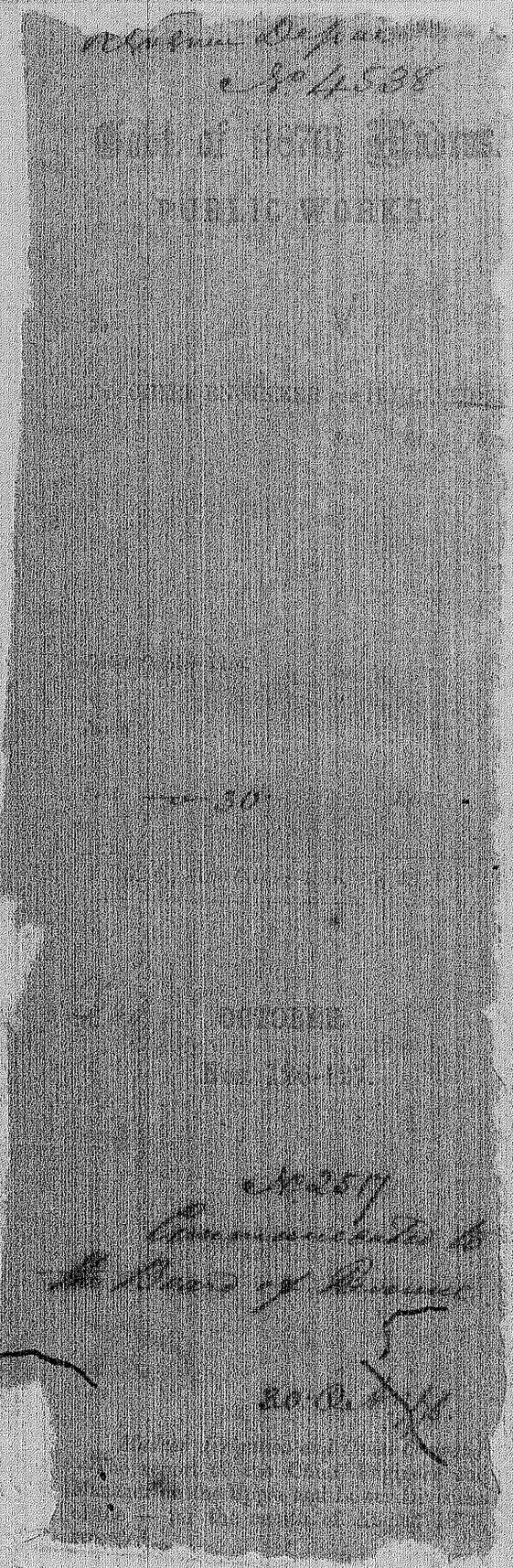
13. In only one or two villages I have found a grossly and unexpected deterioration to have [illegible] [illegible] is the case with [illegible] water.

A singular instance is [illegible] since the canal was opened for irrigation the well [illegible] [illegible] have been supplied with good water until the present [illegible] The [illegible] [illegible] for gardens within the [illegible] as it [illegible] [illegible] [illegible]

Proceedings of the Madras
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Register of Rainfa

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