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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2214	Press
B.P. No.		Mis.
Dated	12 - 8.	1957
		1874

Not to be folded or roughly handled

No. 225. Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 26th June 1874, No. 13:—

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 and Joint Secretary to Government, dated Kurnool, 19th June 1874, No. 70.

I HAVE the honor to hand you the Divisional Reports, together with mine, for the month of May 1874.

MADRAS IRRIGATION AND CANAL COMPANY.

Chief Engineer's Report to accompany Divisional Reports for May 1874.

It will be seen that the month of May has in many parts of the canal been as wet as an ordinary July; and this has interfered with all repairs and excavations below the bed level of the canal, such as the silt excavation in the 1st, 9th, and 10th Sections, the puddling in the 29th mile, the culvert in the 109th mile, etc., but not seriously so. It will be prudent, in future, to advertise the closing of the canal on the 15th of April instead of the 30th.

2. I do not consider this early season an advantage. The dry crops are being sown while the rules for irrigation are yet undetermined. As these rules are known to promise great reductions of rate, particularly on land not irrigated before the rules come into force, ryots are likely enough to postpone wet cultivation for a year, until the rules shall have been settled. As to an eager desire to irrigate under the new rules there seems no diversity of opinion.

(Signed) J. H. LATHAM,
Chief Engineer.

UPPER SECTION.

Monthly Report for May 1874.

The amount of rain which has fallen during this month is quite exceptional and very inconvenient in many ways.

Rainfall at Kurnool = 4.59 inches.

Do. at Sooukesala = 1.70 „

Do. at Velapanoor = 2.95 „

2. The river rose on the 12th first, and since that time has continued more or less in flood. The greatest height over the anicut was 1.7 feet on the 26th. Scarcely was the water out of the canal when heavy rains fell, wetting the silt and delaying its removal.

3. On the 19th we commenced removing it out of the 6th mile Yeddaroor tank; by the end of the month it was all finished, and all the rushes will be cleared from the 90 feet water-way by this time.

• 8,000 cubic yards.

4. The repairs to the head-sluice apron was scarcely commenced before the water leaking through the shutters stopped the work. It is not of much importance.

5. The embankments in connection with the head works are all finished to proper level and full width.

6. Many other minor repairs have been completed.

7. The work in the 29th mile, noticed in my last report, has given great trouble. In the early part of the month it was delayed by the difficulty in getting in a proper puddle trench. Water had been kept back in the tank by a temporary dam, but the leakage and spring water from the very porous gravel and rock sub-soil was so constant that it was almost impossible to get in good founds of puddle. I am happy however to report that the whole length was finished before the rains partially filled the tank.

*Proceedings of the Madras Government, Public Works Department,
12th August 1874.*

8. The puddle is being brought up as quickly as possible, and I am in hopes that by this evening (9th June) the gap will be completed so as to ensure the safety of the bank from any sudden heavy fall of rain.

9. The short time which remains after letting water out of the tank till the rainy weather, makes the simple operations of construction very difficult, and the early rains have added thereto.

10. There will be delay in letting water down, but I trust by the 15th it will be ready.

11. As the ryots are employed during June in cultivating their dry crops the delay is of little consequence.

12. The settlement of the Ramalakota villages with the Collector took three days and the same for Nundikotkoor two days of the month, so that the work has been unusually heavy, and I fear there will be much to be done to make up for lost time in channel construction and repairs. As I am led to believe that the new rules will have the effect of causing a great increase in irrigation this year, although that increase would have been *very much greater* if these rules had been published before the ryots commenced sowing their dry crops, they have not yet appeared officially. All that could be done to inform the ryots through our Overseers, Ameens, and others has been done.

13. A statement showing the result of the settlement for my sections will follow when prepared, but my staff are at present all so much engaged in active work that I am unable to give one at present.

14. Towards the end of the month water from the town sluice failed for about four days I am told, but the rains have continued to keep up the supply to the great satisfaction of the town's people.

15. No illness of any importance among my staff has been reported to me. Indeed, the weather has been remarkably pleasant as contrasted with May in former years.

16. The 29th mile is safe.

Poodoor,
9th June 1874.

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

UPPER SECTION.

Register of Rainfall during the month of May 1874. Registered at 6 A. M. daily.

Days of Week.	Days of Month.	Rainfall at Soonkasala.		Rainfall at Kurnool.		Rainfall at Velapanoor.	
		INCH.	DECL.	INCH.	DECL.	INCH.	DECL.
Friday	1st	.....	.....	.....	.....	.....	.....
Saturday	2nd	.....	.....	.....	.....	.....	.....
Sunday	3rd	.....	.....	.....	.....	.....	.....
Monday	4th	.....	.....	.....	.....	.....	.....
Tuesday	5th	.....	.....	.....	.....	.....	.....
Wednesday	6th	0	05	.....	.....	.....	.....
Thursday	7th	0	05	0	10	0	10
Friday	8th	.....	.....	0	06	0	29
Saturday	9th	.....	.....	0	14	.....	.....
Sunday	10th	.....	.....	.....	.....	.....	.....
Monday	11th	.....	.....	.....	.....	.....	.....
Tuesday	12th	.....	.....	.....	.....	.....	.....
Wednesday	13th	.....	.....	.....	.....	.....	.....
Thursday	14th	0	90	0	57	0	30
Friday	15th	.....	.....	.....	.....	.....	.....
Saturday	16th	.....	.....	.....	.....	.....	.....
Sunday	17th	.....	.....	.....	.....	.....	.....
Monday	18th	.....	.....	1	01	.....	.....
Tuesday	19th	.....	.....	0	17	0	20
Wednesday	20th	.....	.....	.....	.....	.....	.....
Thursday	21st	.....	.....	.....	.....	.....	.....

*Proceedings of the Madras Government, Public Works Department,
12th August 1874.*

Register of Rainfall during the month of May 1874, etc.—(Concluded.)

Days of Week.	Days of Month.	Rainfall at Soonkasala.		Rainfall at Kurnool.		Rainfall at Velapanoor.	
		INCH.	DECL.	INCH.	DECL.	INCH.	DECL.
	22nd	.....	.....	.....	.....	.....	.....
Friday	23rd	0	05	0	11	0	30
Saturday	24th	0	25	0	16	0	15
Sunday	25th	0	20	0	29	0	30
Monday	26th	.....	.....	0	80	1	20
Tuesday	27th	.....	.....	.....	.....	.....	.....
Wednesday	28th	.....	.....	.....	.....	.....	.....
Thursday	29th	.....	.....	.....	.....	.....	.....
Friday	30th	0	20	1	18	.....	.....
Saturday	31st	.....	.....	.....	.....	.....	.....
Sunday		.....	.....	.....	.....	.....	.....
Total...	...	1	70	4	59	2	95

Kurnool,
10th June 1874.

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

LOWER SECTIONS.

Report for the month of May 1874.

The unusually early commencement of the north-west monsoon this season has had the effect of greatly hindering the progress of the Main Canal repairs, more especially between Jutoor Anicut and Yaloor. Rain commenced at Ayaloor on the 6th May and fell with more or less violence on twelve days during the month, and the total fall registered at that station was 9.65 inches. The Caulee has been twice in flood, rising as much as 9 feet above cill of under-sluices. No damage was done to the newly constructed apron to the under-sluices, but the repairs to the water-cushion of the anicut have been repeatedly stopped, and as freshes are likely now to occur every week or so, I shall not waste money in trying to bail the water out of this cushion, but leave the completion of its repairs until next season, being convinced that there is no danger in so doing as the main wall of anicut is perfectly sound.

2. The repairs to No. 22 culvert have been much delayed by the frequent floods, which on the night of the 30th rose above the floor of Ayaloor bungalow, covering the whole compound and rushed through the incomplected arches of this culvert with great violence, but no damage was done, though the Contractor's chunam and sand was washed away, and all the six vents filled with mud. However this work will now be soon completed. The new sluice for filling Nundial tank is half done, and the workmanship is very sound and good. Repairs to bridges and culverts all down the 7th and 8th Sections are going on satisfactorily.

3. At Rajoly head works the banks of silt overgrown with bullrushes are being rapidly removed and thrown well over on to the outer slopes of the spoil banks; several other beds of a similar nature near the Vaikalair aqueduct and Iddymudika bridge must be also excavated, and I have made a contract for their immediate removal.

4. In the 9th Section the repairs to Main Canal are not heavy, and they are well in hand. The bridge over the Nulla Vagoa at Bakrapoorum is completed, and the workmanship is very satisfactory.

5. Tenth Section.—The chief work to be done in this section is in the first mile from the head sluices, where during the last five years silt has gradually been deposited until now it is from 4 feet to 1 foot deep all through the first mile, and overgrown with bullrushes to such an extent that it was with the greatest difficulty we could get any supply of water down the canal towards the close of last season. I have put on strong gangs of coolies to excavate this silt, but owing to

*Proceedings of the Madras Government, Public Works Department,
12th August 1874.*

the rain and the freshes in the Pennair the work has been considerably delayed, and I finding it to be impossible to excavate the whole of the deposit this season, I have had a channel, four yards wide excavated, throughout the entire length, down to bed level; this is now nearly done and will secure a sufficient supply of water for irrigation purposes, and before the head sluices have to be re-opened I hope to widen this channel to eight yards or more.

6. *Distribution Works.*—The repairs to channels have been commenced in all the sections, but much hindered by the heavy rain. The district has made cutting much more impossible but if we get a few weeks of dry weather, I yet hope to get all the works needed for the approaching season of irrigation finished before the water need be let down these channels. If any reliance can be placed in the promises of the ryots, I have good reason to expect a large increase this season to the area of wet irrigation, but much will depend on the rainfall during June and July.

7. Between the 15th and 22nd of the month I was at Madras on special duty for the Chief Engineer.

8. I have not yet been able to make any arrangements for the irrigation settlement in the Cuddapah District, though I have written to the Deputy Collector repeatedly requesting him to meet me for that duty, but I hope this month some arrangements will be come to for its completion.

9. I forward with this report a table showing the comparative rainfall throughout May at Jutoor, Ayaloor, Chintagoonta, and Dhoor, and next month I hope to add Majoly and Adimappully twenty miles is very remarkable.

Dhoor,
8th June 1874.

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

LOWER SECTIONS.
Table of Rainfall in May 1874.

Month and Date.	Jutoor.	Ayaloor.	Chintagoonta.	Dhoor.	Remarks.
1874.					
1st May...	...	0.04	...	...	At Jutoor and Dhoor a tin funnel-gauge is used, at Ayaloor and Chintagoonta "Croley's patent." I have most faith in the former kind of gauge.
2nd „ ...	...	...	...	...	
3rd „ ...	...	...	...	...	
4th „ ...	...	...	...	...	
5th „ ...	...	...	...	...	
6th „ ...	...	0.22	...	...	
7th „ ...	...	0.17	...	0.20	
8th „ ...	...	...	...	0.23	
9th „ ...	...	...	...	...	
10th „ ...	...	...	...	...	
11th „ ...	...	...	...	...	
12th „ ...	...	...	...	...	
13th „ ...	1.24	0.44	...	...	
14th „ ...	...	0.30	...	...	
15th „ ...	...	...	...	...	
16th „ ...	...	...	...	...	
17th „ ...	...	...	...	...	
18th „ ...	...	...	...	...	
19th „ ...	...	...	...	0.20	
20th „ ...	...	0.50	0.15	...	
21st „ ...	...	1.44	0.15	0.50	
22nd „ ...	...	...	1.19	...	
23rd „ ...	1.84	0.10	...	...	
24th „ ...	0.48	0.20	...	0.44	
				0.07	

*Proceedings of the Madras Government, Public Works Department,
12th August 1874.*

Table of Rainfall in May 1874.—(Concluded.)

Month and Date.	Jutoor.	Ayaloor.	Chintagoonta.	Dhoor.	Remarks.
1 74.	1.00	...	0.75	...	
27 „	...	...	...	...	
28 „	...	...	...	...	
29 „	...	...	...	...	
30th „	...	...	...	...	
31st „	...	...	...	...	
Total...	5.99	9.65	2.37	2.56	

Dhoor,
8th June 1874.

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

SUBMITTED for the information of Government.

2. The season has been unfavorable for canal repairs, and the new rules and water-rates not having been notified before the commencement of the season of irrigation, it seems probable that the sowing of dry crops will take place as usual, and that any considerable extension of irrigation will be postponed until another year.

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

No. 226. ORDER THEREON, 12th August 1874, No. 2,214.

IRRIGATION, No. 13.

COMMUNICATED to the Revenue Department in which the subject of the new rules and rates is under reference.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" " and Manager of the Madras Irrigation and Canal Company.
" Revenue Department.

Erd. S. T. Austin,
Spars Copies

No. 13.

Submitted for the information of
Government.

The season has been unfavorable
for canal repairs, and the new mules
and water rates not having been
notified before the commencement
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crops will take place as usual,
and that any considerable exten-
sion of irrigation will be postponed
until another year.

Olatacumund
26th June 1874

Whitcomb L. Holth.
Chief Engineer for Irrigation.

To The Secretary to Govt P.W.D.

P. W. 1874 Sept.
 String for air
 No: 4469
 From

The Chief Engr.
for Irrigation
Del 26 June
Rd. 20 July } 1874
No 13 E. 5

Submitting
the Report of the
Chief Engineer &
Manager Muelras
Irrigation & Canal
Company for
May 1876-

G.O. No: 2214.12-8-74.

On 225

P. M. S.
 Proceedings of the Madras Government
 Read the following
 From the Chief Secy and 22/4
 Manager Madras (H. B. & Co 70-3 19 June 1874)
 Mumb. Co
 & Chief Secy for Genl (H. B. & Co 7 26 June 1874)

~~ordered to be~~
~~of the~~

217



see my note attached

Communicated to the
Rev. Dept. in which the
subject of the new
rules and rates
is under reference
LmW.

Learn!

To the Chief Clerk for the
" " " " " " " " " " " "
" " " " " " " " " " " "
The Capital District 18/4/74.

Has W. J. [unclear]
communicated to the
Revenue Dept -

See //

Has anything been

done to ~~reduce~~

reduce the

rates which are

not tolerable to

even the [unclear]

and it is [unclear]

done or intended

by [unclear] //

225-226

See 2/1/14 Re 2/1/14
On 2/15

Mr. W. J. Purnell

CE 4469 V

Govt. of Madras

PUBLIC WORKS.



To Mr. G. S. Srinivasan

Dated

Recd.

Encl. 5

G. O. 2 August 1874, No. 224

Nos. 225-226

In. I. 17-10. Repet.

Submitted by Mr. S. S. Srinivasan,
Genl. Supt. of Works, on
the works of the Govt.
for May/74, Comd.
to Rev. Dept. with
notes.