

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Affairs DEPARTMENT

G.O. No.	1060	Press
B.P. No.		Mis. —
Dated	16-4-	C875 195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th April 1875.*

No. 416. Read the following endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 22nd March 1875, No. 15:—

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, 18th March 1875, No. 36.

I HAVE the honor to forward* copies of the Upper and Lower Divisions Reports together with my own for the month of February 1875.

* Per Book Post.

MADRAS IRRIGATION AND CANAL COMPANY.

MONTHLY REPORT FOR FEBRUARY 1875.

Upper Division

SEVERAL irrigation channel bridges have been built and several are being constructed. The Mohorum feast stopped the works everywhere for more than a week.

On the main canal raising banks is going on steadily. From 55 to 57 milestone has been let to a Contractor and a good bit of work done.

Large stones are being collected for cills for the 6th Section locks, and construction will be immediately commenced.

I returned to Kurnool from camp in order to carry out at once the instructions received concerning the total acreage available for irrigation under the canal in my sections.

For the same reason I called in the greater part of the staff with all the village maps, and set them at work so as to get as accurate a statement as possible.

Irrigation.

The second crops show a failing in Yeddaroor, Singavaram, and Kulleor (Kurnool), and in a few of the old villages. However, there is an increase in the newer villages which nearly balances it, and as a few more may still come in I hope that, in spite of the bad season for the canal, there will be an increase in acreage of nearly 500.

The usual detailed statements accompany this report.

The health of the staff has been fair during the month.

The payments took place from the 6th to the 15th of February 1875.

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

UPPER DIVISION.

Abstract of Applications for First Crop received up to 5th March 1875.

Proceedings of the Madras Government, Public Works Department,
16th April 1875.

APPLICATIONS RECEIVED FROM 6th FEBRUARY TO 5th MARCH 1875.										Total up to 5th February 1875.	Grand Total up to 5th March 1875.
At Rupees 6.		At Rupees 5.		At Rupees 4.		At Rupees 3.		At Rupees 2.		Monthly Rate.	Total.
ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.
Ramaleetla Taluk.											
Boonkasala	...	...	...	...	...	...	...	...	...	...	...
Konthalpaud	...	...	...	...	...	...	...	...	...	...	...
Yedaroer	...	...	...	...	...	...	...	...	...	...	...
Gopala Singavaram	...	...	...	...	...	...	...	...	...	...	...
Nidgoor	...	...	...	...	...	...	...	...	...	...	...
Mooralpaud	...	...	...	...	...	...	...	...	...	...	...
Mamidialpaud	...	...	...	...	...	...	...	...	...	...	...
Raja	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...
Kulloor	...	...	...	...	...	...	...	...	...	...	...
Zorapooram	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...
Nendicottur Taluk.											
Radavaram	...	...	...	...	...	...	...	...	...	...	...
Poodoor	...	...	...	...	...	...	...	...	...	...	...
Uloor	...	...	...	...	...	...	...	...	...	...	...
Estanicoote	...	...	...	...	...	...	...	...	...	...	...
Mallayala	...	...	...	...	...	...	...	...	...	...	...
Mudigutla	...	...	...	...	...	...	...	...	...	...	...
Bijneventla	...	...	...	...	...	...	...	...	...	...	...
Nagatoor	...	...	...	...	...	...	...	...	...	...	...
Moorakonda	...	...	...	...	...	...	...	...	...	...	...
Verapooram	...	...	...	...	...	...	...	...	...	...	...
Vellala	...	...	...	...	...	...	...	...	...	...	...
Moochoomurry	...	...	...	...	...	...	...	...	...	...	...
Palmurry	...	...	...	...	...	...	...	...	...	...	...
Beeravol	...	...	...	...	...	...	...	...	...	...	...
Pratocote	...	...	...	...	...	...	...	...	...	...	...
Paggidial	...	...	...	...	...	...	...	...	...	...	...
Lutchoomapooram	...	...	...	...	...	...	...	...	...	...	...
Ganapavarum	...	...	...	...	...	...	...	...	...	...	...
Toomaloor	...	...	...	...	...	...	...	...	...	...	...
Thattipand	...	...	...	...	...	...	...	...	...	...	...
Bollavarum	...	...	...	...	...	...	...	...	...	...	...
Terrigopully	...	...	...	...	...	...	...	...	...	...	...

Proceedings of the Madras Government, Public Works Department,
16th April 1875.

APPLICATIONS RECEIVED FROM 6th FEBRUARY TO 5th MARCH 1875.											
At Rupees 6.		At Rupees 5.		At Rupees 4.		At Rupees 3.		At Rupees 2.		Monthly Rate.	Total.
ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.	ACRES.	CENTS.
Bunoor											
Jutoor	...	...	...	...	...	...	...	...	...	...	...
Chelimala Radavaram	...	...	...	...	...	...	...	...	...	...	...
Pamelpa	...	...	...	...	...	...	...	...	...	...	...
Tudicherla	...	...	...	...	...	...	...	...	...	...	...
Cumbalipully	...	...	...	...	...	...	...	...	...	...	...
Mundoor	...	...	...	...	...	...	...	...	...	...	...
Banacherla	...	...	...	...	...	...	...	...	...	...	...
Wanala	...	...	...	...	...	...	...	...	...	...	...
Regadigoodoor	...	...	...	...	...	...	...	...	...	...	...
Velapanoor	...	...	...	...	...	...	...	...	...	...	...
Korrapoleer	...	...	...	...	...	...	...	...	...	...	...
Vempenta	...	...	...	...	...	...	...	...	...	...	...
Total	14	00	...	...	...	...	...	...	...	...	...
Nendial Taluk.											
Bilugoodoor	...	...	...	...	...	...	...	...	...	...	...
Pesaravoy	...	...	...	...	...	...	...	...	...	...	...
Karinadula	...	...	...	...	...	...	...	...	...	...	...
Purnatoor	...	...	...	...	...	...	...	...	...	...	...
Kortanuddi	...	...	...	...	...	...	...	...	...	...	...
Kakanoor	...	...	...	...	...	...	...	...	...	...	...
Bundamalakur	...	...	...	...	...	...	...	...	...	...	...
Yerraguntla	...	...	...	...	...	...	...	...	...	...	...
Bojanum	...	...	...	...	...	...	...	...	...	...	...
Tirrepaud	...	...	...	...	...	...	...	...	...	...	...
Bojanoor	...	...	...	...	...	...	...	...	...	...	...
Chidukur	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...	...	...
Grand Total	14	00	...	...	...	...	...	...	...	...	...

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

KURNOOL,
10th March 1875.

*Proceedings of the Madras Government, Public Works Department,
16th April 1875.*

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

UPPER DIVISION.

Comparative Statement of First and Second Crop Irrigation for Seasons 1873-74 and 1874-75.

[illegible]

C. H. WILKS,
Conservancy Engineer.

KURNOOL,
10th March 1875.

Report for the Month of February, 1875.

THE irrigation has been maintained during the whole of the month, though towards its close the water suddenly became very low, but it is now coming down again more rapidly, and I hope will be retained until the middle of April.

2. The general repairs of the main canal banks are still in progress, and cannot be completed until the water is out of the canal when the silt can be thrown on to the banks where too low or too narrow.

3. The distribution works are being brought into good order. Many crossings over minor channels have been formed, but others on main channels must wait until the irrigation has ceased before they can be built, but materials are collected on their sites.

4. *Pennair Anicut*.—Early in the month I found that it was useless to attempt commencing the repairs to the main wall and apron while water had to be maintained in the 10th Section for irrigation, as the leakage through the ring dams was so considerable as to involve great expense in pumping and baling as long as the water had to be kept sufficiently high to force it down

* In fact the canal has been allowed to get silted up so that with 5 feet (nominal) of water there is insufficient flow.

cease until the under sluices could be fully opened and the water above the anicut reduced to the lowest possible level. The only work I could continue, therefore, was the replacement of the coping stones on the crest, pointing the apron afresh, and the collection of materials on the spot.

5. During the month 1,000 feet run of the coping has been replaced, and 4,400 square yards of stone on edge apron has been repointed in chunam.

6. *Irrigation*.—The second crop in the three taluqs in Kurnool District is chiefly paddy, and 553 acres have been sown after applications made, but more have yet to come in. In Prodator Taluq we have no second crop paddy but 359 acres of garden crops, but in the 10th Section no second crops or floodings will be possible this season, owing to the late period at which the first crops were sown and harvested, and the early date (March 1st) at which we have been obliged to close the head sluices for repairs. Next month I hope to be able to give an approximately accurate list of all the irrigation during the season now coming to a close. In the 10th Section the paddy crops are all now cut, and, with the exception of those fields injured by the floods of October last, a fair average yield has been obtained. North of the Pennair a few cases of loss of crop by soudoo have occurred, but as far as I am able to ascertain they will not be more than 5 per cent. of the gross return in that district.

7. *General.*—From the 16th to the 27th I was absent from my division, having been directed by the Chief Engineer to visit, inspect, and report on the state of the stores at Somaisweram on the Pennair. This I have done and brought to Dhoor Stores the most valuable and useful of the tools. I could move without great expense.

8. The stock and plant-taking of these sections has been completed and reported on.

9. Fever has been very prevalent among the employes and especially at Dhoor where it seems to be increasing. Mr. Dunphy has been frequently attacked with intermittent fever.

10. No rain has fallen during the month.

CAMP AT ADIMATULLY,
4th March 1875.

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

Chief Engineer's Report to accompany the Divisional Report for February 1875.

The enclosed Summary gives an estimate of the current year's revenue so far as reported to my office. In forming it I take the serial monthly rates as averaging Rupees 2 an acre. I have

*Proceedings of the Madras Government, Public Works Department,
16th April 1875.*

no positive clue yet to the area of cultivation not yet reported, in the Cuddapah District. I am informed that little, if any, supply is likely to be required for Government tanks; and it is, therefore, impossible to foretell that the income from irrigation for 1874-75 will exceed Rupees 60,000.

2. A machine shed has been completed here, of 35 feet clear span and 42½ feet length, of masonry and teak, at a cost of Rupees 1-2-3 per square foot covered. The roof is calculated to bear 90 or 100 tons of mud, the breaking weight being 600 tons. The present stone-in-mud store godowns of 26 feet span including central pillars, or 12 feet span clear, with Yaggee timber, cost an anna or two more per square foot covered, and require now completely new roofs. I think that there is no reason to expect that the buildings required for navigation will exceed my estimates lately sent in, or will be otherwise than very durable. The teak was supplied, ready sawn, by Mr. Grainger, Government Workshops, Madras.

3. The Kurnool river gauge shows the Toombudra to be unusually low; but hitherto there has been no deficiency of water for the required irrigation.

No rain fell in February.

*Summary Estimate of Irrigation in each Taluq up to 28th February 1875 for
Season 1874-75.*

Taluq.	FIRST CROP.		SECOND CROP.		TOTAL	
	Acres.	Amount.	Acres.	Amount.	Acres.	Amount.
<i>Upper Division.</i>		RS. A. P.		RS. A. P.		RS. A. P.
Ramalcotta ...	508-01	4,252 2 11	241-12	1,106 5 10	1,019-16	5,353 8 9
Nundicotkur ...	2,928-30	15,430 12 2	97-48	391 12 10	3,025-78	15,822 9 0
Nundial, Upper Division ...	379-23	1,087 11 9	60-42	159 13 0	439-65	1,247 8 9
Total ...	4,115-57	20,770 10 10	399-02	1,657 15 8	4,514-59	22,428 10 6
<i>Lower Division.</i>						
Nundial, Lower Division ...	225-44	1,238 8 6	69-17	204 13 10	297-61	1,443 6 4
Total Nundial Taluq ...	607-67	2,326 4 3	129-50	354 10 10	737-26	2,690 15 1
Sirwell ...	990-41	4,452 8 2	597-69	2,059 9 9	1,588-10	6,512 2 0
Koilkuntla ...	230-44	1,235 10 8	58-74	222 15 10	289-18	1,458 10 6
Proddatur ...	2,058-87	7,578 5 8	50-10	207 7 2	2,108-97	7,785 12 10
Cuddapah ...	1,359-04	5,674 12 9	0-50	1 0 0	1,359-54	5,675 12 9
Jammalamadugu ...	28-87	69 9 0	15-04	30 1 4	43-91	99 10 4
Total ...	4,896-07	20,249 6 10	791-24	2,725 15 11	5,687-31	22,975 6 9
Grand Total ...	9,011-64	41,020 1 8	1,190-26	4,383 15 7	10,201-90	45,404 1 3

KURNOOL,
16th March 1875.

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

SUBMITTED for the information of Government.

2. It is believed that there was no want of water in the Nellore District in February, but usually the keeping of the under sluices of the Adimappully anicut across the Pennair closed at that time of the year would not be feasible.

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

*Proceedings of the Madras Government, Public Works Department,
16th April 1875.*

No. 417. ORDER THEREON, 16th April 1875, No. 1,060.

IRRIGATION, No. 47.

ORDERED to be recorded.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

To the Chief Engineer for Irrigation.

and Manager of the Madras Irrigation and Canal Company.

Collector of Kurnool.

of Cuddapah.

District Engineer, Nellore.

Exd. W. J. Lewis.

Spare Copies

70 10

No. 15

Submitted for the information
of Government.

It is believed that there was no want of water in the Italo District in February, but usually the keeping of the Under Shivers of the Admiration Ancient across the Pennair closed at that time of the year would not be feasible.

Fort St George }
22nd March 1875 }

Adjutant, Lt. Col. R.E.
Chief Engineer for Design.

To The Secretary to Government
P. W. Department

Jan. 26th 1872
The Chief Engineer
& Treasurer
N. S. C.
Dec 19th }
Dec 22 } Monthly
Dec 31 }

Towards Report
of the work of the Institute
in the Sept. & October
sessions for July 1871.

P. H. 2080 / 35 —

S.H.C. 24-11

Proceedings of the Madras Road

Read the following:

From The Chief Engineer for Irrigation } (H.E. No. 15 of 22 March 1875)

1875

Ordered to be re-
-corded.

by 24/3/75

[Signature]

- 5 To The Chief Eng^r for Irr. ✓
 - 4 Chief Eng^r & Manager in H.E. ✓
 - 5 - Collector of Kurnool ✓
 - 5 - " "uddapet ✓
 - 6 - Dist. Eng^r Belere ✓
- Disps - 20 - 4 - 75

~~238~~ 61
6

J.N. 1875 W.L.L.
No. 15 No. 2080.
From The Chief Engineer for Irrigation
To the Secretary & Genl. Secy.
Dated 22 March 1875
Received 29/3/75
Enclosure 4
Submits for information
Report of the Chief Engineer
Manager M. S. S. C. Co. on
the Company's Canal for the
month of July 1875.

2080 ✓

Gobt. of (1875) Madras.

PUBLIC WORKS.

To

Chief Engineer
Irrigation

dated

Recd.

Encl.

G. O. / 16 April 1875, No.

10/10

Recd. 4/10/75

Madras Irrigⁿ & Canal
Compy. - Report of the
Chief Eng^r & Manager
— on the Compy's Canal
for the month of Feby.
1875, ordered to be re-
corded.