M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

public works DEPARTMENT

G.O. No.	2841	Press
~~B.P. No.~~	343 & 344	Mis.~~—~~

Dated 24 - 11 - 1873 195 .

Not to be folded or roughly handled

No. 343. Read the following endorsement of the Chief Engineer for Irrigation, dated Chintapilly, 23rd October 1873, No. 45 :—

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, 15th September 1873, No. 38.

I HAVE the honour to forward Conservancy Engineer's Report for the Upper and Lower Sections, together with my Report for the month of August 1873.

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

THE applications reported up to date are :—

	Acres.
Upper Sections	2,642
Lower do.	1,791
Total...	4,433

This exceeds the total area which paid Rupees 6 water-rate for first and second crops last season in the Kurnool District. The applications from the sub-divisions, under Cunniappa Moodelliar and Mr. Bradbury, last month (August) were very few, owing, in the former case, to the inefficiency of the Amin. I hope to have the list more complete next month.

2. All the field channels—the complete reticulation, omitting a few exceptional cases—are completely mapped throughout the Kurnool district, for which alone we had village plans. The village plans for Cuddapah District arrived the other day from the Survey Department and have been forwarded to Mr. Dodson.

3. There is no instance on record of a wet October following a dry September. This September so far is much the driest on record, and looks as if the clear weather were likely to remain.

KURNOOL,
15*th September* 1873.

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

Report for August 1873.

Upper Section—Conservancy.

THE applications up to date are for 2,642 acres. It seems likely that 3,000 acres are under wet cultivation.

Rain has rarely been so scarce, but the weather has been so cloudy throughout the season and the rain so spread over many days that the crops are well grown. The ears have still to grow, and there seems to be neither moisture in the ground nor rain coming from the heavens to suffice for this. It is daily getting hotter and less cloudy.

The reticulation is now completed in the 4th and 6th Sections, so far as the Collector has allowed me to enter on the land required. So it is also in the 5th so far as the Surveyor in charge considers necessary, but I have not seen this section. I hope to visit the whole this month.

The canal has been safe, the supply of water sustained ; no accidents and little sickness has occurred.

(Signed) J. H. LATHAM,
for *Conservancy Engineer.*

Report for the month of August 1873.

THE whole of the Main Canal from Jutoor to Cuddapah has had a continuous supply of water throughout this month, varying from 2 feet 6 inches to 3 feet in depth, and all the main channels have been amply supplied with water, as have also all the subsidiary and field channels made for floodings. From Jutoor to the Pennair this supply has been almost entirely from the Toombuddra,

the amount of rain-fall flowing into the Caulee and Koond rivers having been very small. The Pennair has given a plentiful supply for the 10th Section, and on the 24th and 25th was in flood, running 2 feet deep over the anicut.

2. No casualties of any kind have occurred during the month to either the earthworks or masonry structures in the 7th, 8th, or 9th Sections of Main Canal; and in the 10th Section only three small leaks occurred in the 187th mile, which were however successfully stopped by the bankers.

3. Some of the main channels have given trouble, but in no case such as to seriously interfere with the irrigation under them.

4. *Irrigation.*—The new system of taking applications direct from the ryots and supplying them with tickets in return works very well, as does also the plan of allowing the ryot to apply for full water on his land at the rate of 6 Rupees for six months' supply, and then letting him sow any crop he thinks will pay him best, although the result is necessarily to decrease the amount of demands for floodings. Up to the end of August the total amount of applications received in these lower sections for full water at Rupees 6 per acre is 2,311 acres, and for floodings only 289 acres; but the demands for floodings always increase towards the end of the season. The prospects for the remainder of this season are also good, and, according to my own observations and the reports of my Assistants I expect yet to receive, in addition to the above, applications for about 2,020 acres at Rupees 6 rate, and 1,050 acres of floodings. If these expectations are fulfilled we shall on the whole have irrigated 5,331 acres of paddy, etc., and 2,509 with floodings, equal to about 60 per cent. increase on the paddy, and of over 40 per cent. on the floodings.

5. During this month two new sluices have been built in the Main Canal, one near Chintacoonta in the 8th Section and one for Bakrapooram in the 9th Section, and with their channels are now in action. Many other new channels have been also formed, conveying the canal water to villages which never saw it before, and in all such cases the ryots agree that if good crops are reaped this year next season they will grow wet crops wherever our water can be taken. Many distant villages have sent in petitions for water, and promised, if granted, to apply for hundreds of acres; but in most cases they have delayed making known their wishes until it was too late in the season to form the channels they would require in time for sowing this year; but I am convinced that if only an average good crop of paddy is secured this season, the demands for our canal water will be very largely increased next year.

6. The rainfall during the month has been very light in these sections; at Iyaloor it was 5·83 inches and at Dhoor only 3 97; during the corresponding month in last year it was 7·59 inches at this station.

7. The dry crops sown in July have many of them failed in consequence of this want of rain, and in some villages they are now ploughing them up and taking canal water for paddy instead. All the large tanks below our canal are quite, or nearly dry, and should the rain keep off another ten days I expect we shall receive applications to fill them, which will greatly increase the receipts for the season, as they will continue to sow paddy until near the end of the month.

8. During the month a sale by auction took place at Adimapully and at Dhoor of a lot of old sleepers, bandies, mango planks, etc., and the total sum realized was Rupees 135-10-6.

DHOOR,
5th September 1873.

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

SUBMITTED to Government.

G. O., 4th October 1873, No. 2,443.

The applications for water-supply for August as compared with July were—

	Acres.	Acres.
Upper Sections	... 1,633½	2,642
Lower do.	... 515	1,791
	2,148½	4,433

showing that the area for which water was required had been more than doubled.

Proceedings of the Madras Government, Public Works Department, 24th November 1873.

The prospects of the season were therefore somewhat better, but they indicate no material extension of irrigation for the current year, as the proper time for the commencement of the cultivation of the principal crop had passed. It will be seen however from the report of the Conservancy Engineer, Lower Sections, that he anticipates an increase of 60 per cent. on the area of 1872 which paid the full rate of Rupees 6, and of 40 per cent. on the area of floodings. Should this expectation be realized the irrigation under this part of the canal will show a marked improvement.

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

No. 344. ORDER THEREON, 24th November 1873, No. 2,841.

IRRIGATION, No. 20.

THE Government observe that, up to the end of August, the applications for water for irrigation under the Madras Irrigation and Canal Company's Canal gave no indication of any considerable extension of irrigation in 1873-74, and though, after that time of the year, it is not very probable that a further conversion, to any great extent, of dry lands into wet will take place, the Governor in Council hopes that the reports of subsequent months will show that the demand for canal water for dry crops has increased.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

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

Exd. S. T. Austin.

Spare Copies.

Kinnoul 15th September 1873.

Report for August 1873.
Upper Section. Conservancy.

The applications up to date are for 2,642 acres. It seems likely that 3,000 acres are under wet cultivation.

Rain has rarely been so scarce: but the weather has been so cloudy throughout the season, & the rain so spread over many days, that the crops are well grown. The ears have still to grow, and there seems to be neither moisture in the ground nor rain coming from the heavens to suffice for this. It is daily getting hotter and less cloudy.

The reticulation is now completed in the 4th and 6th Sections, so far as the Contractor has allowed me to enter on the land required. So it is also in the 5th, so far as the Surveyor in charge considers necessary: but I have not seen this Section. I hope to visit the whole this month

The Canal has been safe, the supply of water sustained; no accidents and little sickness has occurred.

John H Latham ?

for Conservancy Engineer

Madras Irrigation & Canal Compy
Lower Sections Consy Engrs office
Dhoor 5th September 1873.

Report for the month of August 1873.

The whole of the main Canal from Intoor to Cuddapah has had a continuous supply of water throughout this month, varying from 2'-6" to 3 feet in depth, and all the main channels have been amply supplied with water, as have also all the subsidiary and field channels made for floodings. From Intoor to the Pennar this supply has been almost entirely from the Toombuddra – the amount of rain-fall flowing into the Canlee and Koond rivers, having been very small. The Pennar was given a plentiful supply for the 10th section and on the 24th and 25th was in flood running 2 feet deep over the Anicut.

No casualties of any kind have occurred during the month to either the Earthworks or masonry structures in the 7th, 8th, or 9th Sections of main Canal – and in the 10th Section only three small leaks occurred in the 187th mile, which were however successfully stopped by the Bankers.

Some of the main channels have given trouble, but in no case such as to seriously interfere with the irrigation under them.

Irrigation

Irrigation.

The new system of taking applications direct from the ryots, and supplying them with tickets in return, works very well as does also the plan of allowing the ryot to apply for full water on his land at the rate of 6 rupees for six months supply, and then letting him sow any crop he thinks will pay him best, although the result is necessarily to decrease the amount of demands for floodings. Up to the end of August the total amount of applications received in these Lower Sections for full water at Rupees 6 per acre, is 2311 acres and for floodings only 289 acres — but the demands for floodings always increase towards the end of the season. The prospects for the remainder of this season are also good, and according to my own observations, and the reports of my Assistants I expect yet to receive in addition to the above, applications for about 2020 acres at Rupees 6 rate, and 1,050 acres of floodings. If these expectations are fulfilled we shall on the whole have irrigated 5,331 acres of paddy &c., and 2,509 with floodings, equal to about 60 per cent increase on the paddy, and of over 40 per cent on the floodings.

During this month 2 new sluices have been built in the main canal, one near Chintaconta in the 8th section and one for Rakkapooram in the 9th section, and with their channels are now in action. many other new channels have been also formed, conveying the Canal water, to villages which never saw it before, and in all such cases the ryots agree, that if good crops are reaped this year, next season they will grow wet crops wherever our water can be taken. many distant villages have sent in petitions for water, and promised if granted to apply for hundreds of acres, but in most cases they have delayed making known their wishes until it was too late in the season to form the channels they would require in time for sowing this year, but I am convinced that if only an average good crop of paddy is secured this season the demands for our Canal water will be very largely increased next year.

The rain fall during the month has been very light in these sections, at Lyalpur it was 5·83 inches and at Dhoor only 3·97. during the corresponding month in last year it was 7·59 inches at this station.

The dry crops sown in July have many of them failed in consequence of this want of rain and in some villages they are now ploughing them up and taking

Canal

canal water for paddy instead. All the large Tanks below our Canal are quite, or nearly dry, and should the rain keep off another 10 days I expect we shall receive applications to fill them, which will greatly increase the receipts for the season, as they will continue to sow paddy until near the end of the month.

During the month a Sale by Auction took place at Adimapully and at Dhoor of a lot of old Sleepers, bandies, mango planks &c, and the total sum realized, was Rs 135-10-6.

(Signed) A. S. Dodson.
Conservancy Engineer.

True Copy,
C. Dawson.
Head Clerk.

P.W. Book 87 = 20 of 1873.

4/10/1873

No. 38

Madras Irr: & C. Co.
Chief Engineer and Managers Office
Kurnool 15th September 1873.

To.
Lieut-Colonel J. Mullens R.E.
Chief Engineer for Irrigation
Madras.

Sir

I have the honour to forward Conservancy Engineers report for the Upper and Lower Section together with my report for the Month of August 1873.

I have the honor to be
Sir
Your Most Obedt. Servt.
John H Latham
Chief Engineer & Manager

3 Enclosures

C.E. No 302

№ 45

Submitted to Government.

The applications for water supply for August, as compared with July, were

		area	acres
G.O. 4th Oct. 73.	Upper Sections	1633½	2642
№ 2143.	Lower —— do ——	515	1791
		2148½	4433

showing that the area for which water was required had been more than doubled. The prospects of the season were therefore somewhat better, but they indicate no material extension of irrigation for the current year, as the proper time for the commencement of the cultivation of the principal crop had passed. It will be seen however from the report of the Conservancy Engineer, Lower Sections, that he anticipates an increase of 60 per cent on the area of 1872 which paid the full rate of Rupees 6, and of 40 per cent on the area of floodings. Should this expectation be realized, the irrigation under this part of the Canal will show a marked improvement.

Office of the Chief Engr. for Irrigation
Chintapilly 23 October 1873

W. Hudleston Lieut. Col. R.E.
Chief Engineer for Irrigation

To
The Secretary to Govt. P.W.D.

No 2841

P.W. 1873

From the Chief Engr

To The Colonial Secretary

Dated 23rd Oct 1873

Rec'd 27th Oct

Encl 1

Submits for information report of water supply from the Ma Hos Canal for the month of Sept 73.

No 2841-26 Nov 73.

P.W. 1873 Depart.

Engineer's Office

No 2849.

From the Chief Engr

for Irrigation

To The Secretary

to Govt Works

No 45.

Dated 23 Oct 73.

Rec'd 6th Nov.

Encl 4

Submits for information report of water supply from the Ma Hos Canal for the month of Sept 73.

No 2841-26 Nov 73.

No 2841

P.W. The Colonial Secretary

Dated 23rd Oct 1873

Rec'd 27th Oct

Encl The Colonial Engineer's report for September 1873 on the Maria Hospital Canal

The Government observe that the supply of the Canal for the month of August, the effective supply for irrigation was 1,000,000 gallons less than the Madras Irrigation and Canal Co. are entitled to receive in any equivalent extension of time.

The supply in 1873-74 and though a little less than in 1872-73 is nevertheless sufficient for the present requirements of the Canal.

It is to be hoped that a further extension of time will not be necessary.

The Government agree with the Engineer that a daily gauge should be established at the head of the Canal and that the Municipality should take steps to prevent the cattle from drinking in the Canal.

Council hopes that the proposed subsequent inquiry into the water supply will be made before the end of the year.

The Chief Engr for Irrigation

" Mgr. & Co.

" Secretary

Dated 27/10/73

No 3408

Received in Office 7 Nov 73

No 6049

Govt. of {1873} Madras

PUBLIC WORKS.

re The Chief Engr for Irrigation

Dated

Recd. Encl. 4

G. O. 24th Nov. 1873 No. 2841.

Nos. 3434344

Re. Dt Co. Papers

on the Report, &c.
submitted by the Chief Engr for
Irrign. on the Dr Dt Co's
Canal for Augt 73.