M.R.O. 1—20,002—12-8-65.

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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / ~~B.P. No.~~	339	~~Press~~ / Mis.

Dated 19. 2. 1875 196 .

Not to be folded or roughly handled

No. 378. Read the following endorsement of the Chief Engineer for Irrigation, dated Camp at Tripattoor, 8th January 1875, No. A :—

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, 23rd December 1874, No. 154.

Report for November 1874.

I HAVE the honor to forward, per book post, the Divisional Reports, together with my own for the month of November 1874.

MADRAS IRRIGATION AND CANAL COMPANY.

UPPER SECTIONS.

Report for November 1874.

1. BY the end of October the rains ceased.

2. The wall at Ulloor across the damaged stop bank was completed up to 7 feet above bed for 160 feet in length, and the gap has been puddled across, so that any quantity of water can now be passed down.

3. Half the piers (six) of the bridge at Cumbalpully sluice outlet and one abutment have been brought up to springing, but the absence of the Overseer on leave has delayed the work.

4. Raising banks has been commenced, though progress has been slow, owing perhaps to my absence on an inspection tour in the 5th and 6th sections.

5. The counting of stores at Velapanoor took place on the 24th, and the plant occupied the two following days. As all these tools, etc., are in the hands of the 5th Range Overseer, his time has been occupied for nearly ten days in preparing for the stock-taking.

6. Preparation are being made to test the 6th section and all the locks, so as to estimate for putting them in working order.

7. The accompanying table shows the progress of irrigation; although the result is very unsatisfactory, it is not more than I expected from the peculiar circumstances of the year. The new rules were too late, the season too wet, and the channels not sufficient.

8. It is too early to determine whether the new system has in any way hindered the ryots from taking our water. Some reason must exist for the falling off in certain villages. One effect is evident, and that is that the attention of the Overseers to the wants of individual ryots in regard to water is not so earnestly called for as before; and, as the Overseer is the direct agent for the supply of water, it certainly would be more practical and of greater benefit to the ryot if he complained directly to the agent as well as through his Village Curnum and Tahsildar. Any loss of time is calculated to injure crops and disgust the applicants. I believe the knowledge of this has the effect of discouraging the Overseers.

9. Notwithstanding the falling off that is at present apparent, there are healthy signs of improvement in many villages, and I hope to be able to carry out a few channels which will considerably increase next year's area. To be of any use, the channels must be completed before the water stops, so that ryots may see it.

10. The health of the staff has been fair, but fever is rather prevalent. I have suffered from it myself for a week.

11. The salaries for October were pre-audited on 4th November 1874, and paid from the 6th to the 15th November 1874.

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

UPPER SECTION.

Register of Rainfall during the Month of November 1874, registered at 6 A.M. daily.

Days of Week.	Days of Month.	Rainfall at Soonkesala.		Rainfall at Kurnool.		Rainfall at Jupand.		Rainfall at Velapanoor.	
		INS.	DECLS.	INS.	DECLS.	INS.	DECLS.	INS.	DECLS.
		Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
Sunday	1st								
Monday	2nd					0	40	0	60
Tuesday	3rd								
Wednesday	4th								
Thursday	5th								
Friday	6th			0	41	0	15	0	10
Saturday	7th								
Sunday	8th	0	20						
Monday	9th								
Tuesday	10th								
Wednesday	11th								
Thursday	12th								
Friday	13th								
Saturday	14th								
Sunday	15th								
Monday	16th								
Tuesday	17th								
Wednesday	18th								
Thursday	19th								
Friday	20th								
Saturday	21st								
Sunday	22nd								
Monday	23rd								
Tuesday	24th								
Wednesday	25th								
Thursday	26th								
Friday	27th								
Saturday	28th								
Sunday	29th								
Monday	30th								
Total ...	.....	0	20	0	41	0	55	0	65

KURNOOL,
2nd December 1874.

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

Proceedings of the Madras Government, Public Works Department,
16th February 1874.

UPPER SECTION.

Abstract of Applications received from 4th November up to 3rd December 1874.

	Applications received from 4th November to 3rd December 1874.												Total up to 4th November 1874.		Grand Total up to 3rd December 1874.	
	At Rupees 5.		At Rupees 5.		At Rupees 4.		At Rupees 3.		Special.		Total.					
	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.	ACRES.	CENT.
Ramlacota Taluq.																
Soonkesala ...	...	...	...	...	...	...	...	...	...	...	...	...	12	83	12	83
Konthalpaud ...	...	...	...	...	...	...	...	...	...	...	...	...	8	81	8	81
Yedaroor ...	1	35	...	...	...	...	...	...	...	...	5	47	59	83	64	80
Gopala Singavaram ...	...	...	...	...	...	...	...	...	...	...	1	10	55	61	56	71
Nidjoor ...	...	...	...	...	...	...	...	...	...	...	...	...	92	54	92	54
Moonegalpaud ...	...	...	...	...	...	...	...	...	...	...	...	...	63	73	63	73
Mamedialpaud ...	...	...	...	...	...	...	...	...	...	...	...	...	59	41	59	41
Roza	...	...	...	...	...	...	...	...	...	...	...	...	11	22	11	22
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	7	71	7	71
Kulloor	...	...	...	...	...	...	...	...	...	...	...	...	358	60	358	60
Zoharapooram ...	...	...	...	...	...	...	...	...	...	...	...	...	76	90	76	90
Total ...	1	35	...	...	3	73	...	...	...	...	6	09	801	49	812	66
Nundicotkur Taluq.																
Rudravaram ...	...	...	...	...	...	...	...	...	...	...	...	...	46	53	46	53
Poodoor	...	...	...	...	...	...	...	...	...	...	...	...	15	75	15	75
Ulloor	...	...	...	...	...	...	...	...	...	...	...	...	35	51	35	51
Satanicotta ...	...	...	...	...	...	...	...	...	...	...	...	...	67	37	67	37
Mallyala	...	...	...	...	...	...	...	...	...	...	...	...	39	20	39	20
Muddigutla	...	...	...	...	...	...	...	...	...	...	...	...	29	09	29	09
Bijinevamala	3	66	...	...	1	26	...	...	...	...	...	09	9	93	9	93
Nagatoor	...	...	...	...	...	...	...	...	...	...	...	...	38	08	38	08
Moorvakonda	22	81	1	65	0	60	...	...	...	...	25	40	51	64	51	64
Veerapooram	21	67	...	...	...	...	...	...	...	...	1	27	55	87	55	87
Vellala	21	75	...	...	...	...	...	...	...	...	1	40	21	67	21	67
Moochoomurry	98	15	...	...	...	...	...	...	...	...	4	60	325	79	325	79
Palamurry	11	...	...	...	...	...	...	...	...	...	...	...	11	15	11	15
Beeravol	...	...	...	...	...	...	...	...	...	...	...	...	83	62	83	62
Prathcota	24	02	...	...	0	21	...	...	...	...	1	16	166	86	166	86
Puggadal	...	...	...	...	...	...	...	...	...	...	...	...	99	78	99	78
Lutchmapooram	1	01	...	...	...	...	...	...	...	...	...	...	1	01	1	01
Ganapavaram	...	...	...	...	...	...	...	...	...	...	...	...	333	29	333	29
Togmdoor	...	...	...	...	...	...	...	...	...	...	...	...	2	05	2	05
Thattipaud	...	...	...	...	...	...	...	...	...	...	...	...	61	94	61	94
Bollavaram	...	...	...	...	...	...	...	...	...	...	...	...	27	26	27	26
Terrigopally	...	...	...	...	...	...	...	...	...	...	...	...	10	37	10	37

Abstract of Applications received up to 3rd December 1874.—(Concluded.)

	Applications received from 4th November to 3rd December 1874.								Total up to 4th November 1874.		Grand Total up to 3rd December 1874.	
	At Rupees 6.		At Rupees 5.		At Rupees 4.		At Rupees 3.		At Rupees 2.	Special.	Total.			
Nundiyoor Taluq.—(Concluded.)	Acres.	Cent.	Acres.	Cent.	Acres.	Cent.	Acres.	Cent.	Acres.	Acres.	Acres.	Cent.	Acres.	Cent.
Bunnoor ...	15	34	...	...	...	...	14	36	...	...	29	70	14	59
Jutoor ...	...	...	...	...	...	...	8	98	...	...	8	28	139	30
Chellimela Rudravaram	...	...	...	...	...	...	0	18	...	...	0	13	237	53
Pamnipaud ...	...	...	...	...	...	...	...	...	...	...	...	...	254	76
Tudiciela ...	...	...	...	...	...	...	...	...	...	...	...	...	27	08
Cumbalapolly	...	...	...	...	...	...	...	...	...	...	...	...	72	47
Maddoor ...	...	...	...	...	...	...	0	09	...	...	0	09	4	35
Bamakracherla	...	...	...	...	...	...	...	2	...	...	...	...	23	14
Wanala ...	...	...	...	...	...	...	...	...	...	...	...	...	13	44
Regadigoodoor	...	...	...	...	...	...	...	...	...	...	...	...	47	73
Velapahoor ...	...	...	...	...	...	...	...	...	...	...	...	...	45	61
Korrapoloor ...	...	...	...	...	...	...	...	...	...	...	...	...	8	49
Total ...	203	41	1	65	2	07	43	28	...	250	41	70	2,339	18
Nundial Taluq.														
Bileigoodoor ...	...	...	...	...	5	74	1	16	...	6	90	...	47	43
Pesaravoy ...	...	...	...	...	...	...	20	32	...	20	33	...	46	15
Karrimedala ...	...	...	...	...	...	...	...	...	...	...	...	...	39	82
Permatoor ...	...	...	...	...	...	...	...	...	...	...	...	...	19	61
Koratamuddi ...	...	...	...	...	...	...	...	...	...	...	...	...	0	84
Bundatmakur ...	...	...	...	...	...	...	...	...	...	...	...	...	1	00
Kalrahoor ...	...	...	...	...	...	...	...	...	...	...	...	...	11	09
Yerragontla ...	...	...	...	...	...	...	...	...	...	...	...	...	20	23
Bojanum ...	...	...	...	...	...	...	...	...	...	...	...	...	12	44
Tirripaud ...	...	...	...	...	...	...	...	...	...	...	...	...	3	19
Boojanoor ...	...	...	...	...	...	...	...	...	...	...	...	...	2	20
Total ...	...	...	...	...	5	74	21	48	...	27	22	...	204	00
Grand Total ...	204	76	1	65	11	54	70	55	...	253	60	...	2,244	67

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

REPORT FOR THE MONTH OF NOVEMBER 1874.

Main Canal.

1. In the 7th and 8th sections the injuries done by the rains and floods of September and October are now mostly repaired, except those which can be done by the bankers who are gradually bringing the banks into proper repair. In the lower end of the 8th section the 139th and 140th miles have been severely cut up by the rains, but I am endeavouring to repair them by bankers, but their progress is necessarily slow. From thence down to the 178th mile the repairs to banks will, I believe, be nearly done by the end of this month; but in some miles no earth can be obtained for the repairs until the rain water has dried up in the side pits.

2. The breaches made by the floods of the Pennair last month in the 179th mile have been efficiently repaired, also the western approach to the bridge over the tail lock, and the inhabitants of Komaloor have free access for bandies to Bakrapooram, though the village road is still as left by the flood.

3. The north stop bank cannot be repaired at present as the side pits are still full of water. By the end of January next they will, I hope, be dry enough for excavation.

4. The injuries done to the bridge over the Nullavagoo are not repaired yet, as it is impossible to get any chunam; but the kilns will soon be at work.

Pennair Anicut.

5. I have just returned from Adamapully, but cannot yet give an accurate description of the injuries done to the anicut, as about 4 inches of water is still flowing over the crest. I can see that at about 100 yards from the northern end a hole has been made in the first wall which, however, does not seem to extend beyond the second wall; so it cannot be called a breach. About the middle of the anicut I can also see a hole in the first wall which does not, I think, extend beyond the second wall; neither of these holes seem to be of great extent; the first I guess to be about 60 feet wide, the second seems smaller. The coping stones have been lifted off in many places; about perhaps one-third of the whole is so displaced. Most of the coping stones will, I hope, be recovered from among those now heaped up on the apron. I do not think the cost of repairs to the anicut will exceed Rupees 1,500 to Rupees 2,000.

10th Section.

6. I rode along the whole of this section yesterday morning, and found all the breaches caused by the late floods, both in the right and left banks, completely repaired, and the water flowing through all the sluices as it had been doing since the 21st.

7. The banks in several miles, especially in the 187th and 188th mile to the end, still require much repair done to them, the very heavy rainfall of October having washed their slopes into a succession of deep ruts; the miles named above being constructed partly of soft sand and partly of sowdoo have suffered most, but I have got the bankers at work on them in gangs, and expect them to be all properly repaired by the end of this month.

Distribution.

8 In the 7th and 8th sections Mr. Dunphy reports the first corps of paddy as being mostly cut, and the result as satisfactory, a full weight of grain being expected. Second crops are commencing in these sections, both paddy and garden crops; about 600 acres are expected, and, if the rains keep off, the dry crops of cholum, etc., will require extensive floodings.

9. In Prodatoor Taluq the first crops are much more backward; they will not be cut until January. Most of the fields look healthy and thick, but many of those sown for the first time with paddy look very poor, partly from blight, but chiefly the ryots say from the heavy rains of September having washed the manure from among the young plants. Garden crops and raggy are now being sown extensively, and applications for water are coming in freely.

10. In Cuddapah Taluq the crops near the Pennair, both on its north and south sides, have been considerably injured by the late floods; but many fields considered as entirely lost about 10 days ago are now recovering, and may yet yield a fair, though not a full, crop; but, as far as I can yet ascertain, none of the crops will be lost or injured from deficiency of canal water in spite of the extensive injuries done by the floods to the distribution channels. This result is owing to the vigorous and successful efforts made by Mr. Griffiths, Conservancy Overseer, and his Amins, to repair the main and numerous subsidiary channels completely filled up by silt and rubbish.

General.

11. In the Cuddapah Taluq some of the Curnums are sending in forms of application for water, but not on printed forms, and not according to the new rules; but the Curnum of Chennoor refuses to work with the Company's Amins, sends in no forms himself, and yet tells the ryots they must not apply to the Company's Officers for tickets; but they are doing so more and more.

12. During the month Mr. Goodchap, assisted by Mr. Dunphy, took count of the stores in Ayaloor, and Mr. Dunphy has also taken count of the plant stock at that station. I have just completed taking the plant stock at Adamapully.

13. Colonel Moberly has fixed the 8th of this month for taking count of the stores at that station.

14. The rainfall during November has been very slight, only 0·37 at Ayaloor and 0·96 at Dhoor; at Adamapully it was much more heavy, but the gauge was lost in the floods.

15. Next month I shall be able to give a final and correct statement of the irrigation in these sections.

DHOOR,
4th December 1874.

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

LOWER SECTION.

Table of Rainfall in November 1874.

Date.	Jutoor.	Ayaloor.	Chintagoonta.	Rajoly.	Dhoor.
1st November 1874					
2nd do.					
3rd do.					
4th do.	0 15	0 37			0 06
5th do.					
6th do.					
7th do.					
8th do.					0 26
9th do.					
10th do.					
11th do.					
12th do.					
13th do.					
14th do.					
15th do.					
16th do.					
17th do.					
18th do.					
19th do.					

Table of Rain fall in November 1874.—(Concluded.)

Date.	Jutoor.	Ayaloor.	Chintagoonta.	Rajoly.	Dhoor.
20th November 1874					
21st do.					
22nd do.					
23rd do.					
24th do.					
25th do.					
26th do.					
27th do.					
28th do.					
29th do.				0 20	
30th do.					0 03
					0 61
Total ...	0 15	0 37	...	0 20	0 96

4th December 1874.

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

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

IRRIGATION has been maintained throughout the month. As to the extent irrigated, a slight increase may be hoped for; but, in actual applications, we were at the beginning of December 1,260 acres behind last year, the deficit being divided into 311·50 acres in Kurnool District and 952·31 in Cuddapah. If there be little increase in first crop, still a considerable increase in the second may be expected; but I fear the year's total, especially the net total, will show a check to the increase hitherto obtained, such as frequently accompanies a change of system.

2. In the middle of the month I visited Adamapully. Mr. Dodson, from measurements he has made on the spot, reports as much as 7 feet of the front wall broken off in one place and 5 feet in another, the wall itself being only 8 feet 6 inches high above the top of the wells. The centre and rear walls are uninjured. There is no hurry about these repairs which, it is fortunate, were postponed till the second break of the north-east monsoon, just over, had occurred.

3. Whatever the result of the irrigation this year, the Board may be assured that the Officers of the Revenue Department of this district, in which the new rules have been thoroughly tried, have all taken special pains and personal care, especially the Acting Collector and his Deputy; and that the subordinate Curnums have shown a vast improvement in the routine of their duties in consequence. I hope, too, that the canal officers have, as a rule, assisted cordially beyond their routine duties; but here, in the lower division, there is doubtless room for improvement In the 7th and 8th sections, Nandial and Sirwell, there are special difficulties, owing to the strong general feeling that, since the Government lowered their water-rate under the large tanks to Rupees 4 an acre, the Company ought to do, and to be compelled to do, the same. It seems to me of little use trying to find out minor causes of the backwardness of irrigation there. A cordial and friendly co-operation of all departments to draw away the ryot from this very natural resentment to a contemplation of the positive annual loss he is incurring by gratifying it is what I will endeavour to promote.

KURNOOL,
12nd December 1874.

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

Register of Rainfall in Inches and Decimals of the following Stations during the month of November 1874, at 6 A.M. daily.

Month and Date.	Soonkesala.	Kurnool.	Jupaud.	Velapanoor.	Jutoor.	Ayaloor.	Chintagoonta.	Rajoly.	Dhoor.
1st November 1874 ...	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
2nd do. ...	...	...	...	...	...	...	...	...	...
3rd do. ...	...	...	0·40	0·55	0·15	0·37	...	...	0·06
4th do. ...	..	...	Nil.	Nil.	Nil.	Nil.	...	...	Nil.
5th do. ...	...	...	...	...	...	...	...	...	...
6th do. ...	...	...	...	...	...	...	...	...	...
7th do. ...	...	0·41	...	...	...	...	...	...	...
8th do. ...	0·20	Nil.	0·15	0·10	...	...	...	...	0·26
9th do. ...	Nil.	...	Nil.	Nil.	...	..	...	...	Nil.
10th do. ...	...	...	...	...	...	...	...	...	...
11th do. ...	...	...	...	...	...	...	...	...	...
12th do. ...	...	...	...	...	...	...	...	...	...
13th do. ...	...	...	...	...	...	...	...	...	...
14th do. ...	...	...	...	...	...	...	...	...	...
15th do. ...	...	...	...	...	...	...	...	...	...
16th do. ...	...	...	...	..	...	...	...	...	...
17th do. ...	...	...	...	...	...	...	...	...	...
18th do. ...	...	...	...	...	..	...	...	...	...
19th do. ...	...	...	...	...	...	...	...	...	...
20th do. ...	...	...	...	...	...	...	...	...	...
21st do. ...	...	...	...	...	...	...	...	...	...
22nd do. ...	...	...	...	...	...	...	...	...	...
23rd do. ...	...	...	...	...	...	...	...	...	...
24th do. ...	...	...	...	...	...	...	...	...	...
25th do. ...	...	...	...	...	...	...	...	...	...
26th do. ...	...	...	...	...	...	...	...	...	...
27th do. ...	...	...	...	...	...	...	...	...	...
28th do. ...	...	...	...	...	...	...	...	0·20	...
29th do. ...	...	...	...	...	...	...	...	Nil.	0·03
30th do. ...	...	...	...	...	...	...	...	...	0·61
Total ...	0·20	0·41	0·55	0·65	0·15	0·37	0·00	0·20	0·96

KURNOOL,
8th December 1874.

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

SUBMITTED for the information of Government.

2. There appears to be a likelihood of the area of irrigation under the Company's Canal in the upper part of the Kurnool District being smaller this year than in the last. In the southern part of Kurnool and in Cuddapah the irrigation prospects are tolerably satisfactory.

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

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

No. 379. ORDER THEREON, 16th February 1875, No. 443.

IRRIGATION, No. 23. ORDERED to be recorded.

(True Extract.)

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.
" Revenue Department.

No 619
Revenue Department
Govt. of Madras.

PUBLIC WORKS.

To

THE CHIEF ENGINEER FOR IRRIGATION,

&c., &c., &c.

Dated February 16th.

Recd. —2—19.

G. O., 16th February 1875, No. 415.

FEBRUARY.

Nos. 378 379

14. To the Board of Rev. Dep. 22 Feb

Madras Irrigation and Canal Company.—The Report of the Chief Engineer and Manager of the Company for the month of November 1874, recorded.

No. 339
Comm. to the
Board of Revenue
19. Feby/75