

*Proceedings of the Madras Government, Public Works Department,
21st May 1875*

No 379 Read the following endorsement of the Chief Engineer for Irrigation, dated Ootacamund, 3rd May 1875, No 25 —

From Mr C. DAWSON, Head Clerk, in charge Chief Engineer and Manager's Office of the Madras Irrigation and Canal Company, to Lieutenant-Colonel J MULLINS, R E, Chief Engineer for Irrigation, dated Kurnool, 23rd April 1875, No 47.

I HAVE the honor to forward, per book post, copies of the upper and lower divisions, together with Chief Engineer's Report for the month of March 1875.

MADRAS IRRIGATION AND CANAL COMPANY

UPPER DIVISION

Report for March 1875

THE returns of irrigation show a slight increase during the month Canal water has hitherto scarcely been expected in April, but this year it is remarkably high Up to the end of the month there was a good supply as far as Lockinsala, and at Jupaud more than 2½ feet deep Under these circumstances it may be expected to last till nearly the end of April in the lower division of the canals, unless the river falls very rapidly during the next few days This fact cannot fail to give confidence to ryots in sowing second crops

2 On the 15th of April the canal will be closed for repairs, which consist principally of clearing out rushes and weeds between Soonkesala and Kurnool In this part of my division the gauges show that there is some obstacle to the free flow of water Towards the end of the season the weeds and reeds grow very rapidly, and, although there is 50 of water in canal at Soonkesala, there is only 30 at the calingulah in 16th mile and less at the Kurnool aqueduct It is hoped that before June these impediments will be removed

3 Some months ago it was determined to build a bridge at Ulloor, but, as the water has not been out of the canal, foundations could not be put in without going to a very great expense As soon as the canal is dry the bridge will be commenced The contract has been let in November, and a large quantity of stone collected

4 A centring has been partially completed from teak which was obtained from the Government Workshops at Madras The centring will last for years and will serve for the other bridges which it appears we shall be called upon to build

5 A bridge of 13 arches, each of 8 feet span, has been completed over the outlet channel from Cumbalapully sluices It is believed that the Government road from Jutoor to Atmakur will be diverted to this bridge

6 The channel also has been continued to the river and banked on both sides to prevent damage to fields in the neighbourhood when the sluices are fully opened In this way all surplus water finds its way into the Kristna river

7 Most of the proposed channels to the villages near Nundual have been completed, and several bridges built

8 The settlement of the water rates will take place in April at Nundicotkur, and in my next report the actual and final totals may be given

9 As all sanction for repairs for 1874-75 ceases on the 1st of April, the whole of my staff have been busily engaged in such works as were necessary under that sanction

10 The supervision of the irrigation in its various workings is easy, but there are many practical difficulties in supervising important repairs, and on this account, as there is no Assistant in my range, it has not been possible to complete quite as much as could have been wished

11 In the official year just commencing the work will be increased by the important repairs to the 6th section locks and banks When these are completed, it is to be hoped that repairs of importance will be less frequent, and conservancy more easily managed with the present staff

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12 On the 3rd of March at midnight, the stores at Valapanoor were attacked by a party of robbers who wounded the Store-watcher Mahomed Cosim so severely, that he died a day or two afterwards

13 No Company's property appears to have been stolen No information has reached me from the Police, and I believe there is no clue to the discovery of the men The robbers are reported to have been Chunchowadoos, hull men These men are generally subsidized by the villagers, i.e., an annual payment of some kind is made to them, on the strength of which they undertake never to rob the village in question

14 The health of the staff was generally good, a few cases of fever occurred

15 The weather has been cloudy at times, and one or two sharp storms passed over, and nearly half an inch of rain fell at Soonkesala on the night of the 25th.

16 The payments took place from the 6th to the 12th of March 1875

(Signed) C H WILKS,
Conservancy Engineer.

Register of Rainfall during the Month of March 1875 Register at 6 A.M. daily

Days of Week.	Date	Soonkesala		Kurnool		Jupaud.		Valapanoor	
		INCH	DECLS	INCH	DECLS	INCH	DECLS	INCH	DECLS
Monday	1st	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Tuesday	2nd	.	.	.	.	.	.	.	.
Wednesday	3rd	.	.	.	.	.	.	.	.
Thursday	4th	.	.	.	.	.	.	.	.
Friday	5th	.	.	.	.	.	.	.	.
Saturday	6th	.	.	.	.	.	.	.	.
Sunday	7th	.	.	.	.	.	.	.	.
Monday	8th	.	.	.	.	.	.	.	.
Tuesday	9th	.	.	.	.	.	.	.	.
Wednesday	10th	.	.	.	.	.	.	.	.
Thursday	11th	.	.	.	.	.	.	.	.
Friday	12th	.	.	.	.	.	.	.	.
Saturday	13th	.	.	.	.	.	.	.	.
Sunday	14th	.	.	.	.	.	.	.	.
Monday	15th	.	.	.	.	.	.	.	.
Tuesday	16th	.	.	.	.	.	.	.	.
Wednesday	17th	.	.	.	.	.	.	.	.
Thursday	18th	.	.	.	.	.	.	.	.
Friday	19th	.	.	.	.	.	.	.	.
Saturday	20th	.	.	.	.	.	.	.	.
Sunday	21st	.	.	.	.	.	.	.	.
Monday	22nd	.	.	.	.	.	.	.	.
Tuesday	23rd	.	.	.	.	.	.	.	.
Wednesday	24th	0	25	0	27	0	10	0	10
Thursday	25th	0	40	0	27	0	10	0	10
Friday	26th	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Saturday	27th	.	.	.	.	.	.	.	.
Sunday	28th	.	.	.	.	.	.	.	.
Monday	29th	.	.	.	.	.	.	.	.
Tuesday	30th	.	.	.	.	.	.	.	.
Wednesday	31st	.	.	.	.	.	.	.	.
Total		0	65	0	27	0	30	0	10

KURNOOL,
1st April 1875

(Signed) C H WILKS,
Conservancy Engineer.

Proceedings of the Madras Government, Public Works Department,
21st May 1875.

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

APPLICATIONS RECEIVED FROM 6TH MARCH TO 5TH APRIL 1875												Total up to 5th March 1871		Grand Total up to 5th April 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	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS
Ramdicothur Taluk																	
Foonkerala														13	83	13	83
Kontulalpand														3	81	3	81
Yellaroor														65	33	65	33
Gopala Singavarum														56	71	56	71
Nidgoor														93	54	93	54
Moongalpand														59	46	59	46
Namidialpand														11	22	11	23
Roza														7	71	7	71
Kurucol														359	13	359	13
Kulloor														79	90	79	90
Zorapoorum																	
Total																	
Nundicothur Taluk																	
Endravarum														803	01	803	04
Poodoor														46	53	46	53
Ulloor														15	75	15	75
batamcoota														35	51	35	51
Mullayala														98	96	98	96
Mudigutla														108	54	108	54
Rijnevemula														36	21	36	21
Nagatoor														14	67	14	67
Boorvakonda														110	47	110	47
Weerapoorum														69	63	69	63
Yellala														87	60	87	60
Moochoomurry														21	67	21	67
Palmurru														410	23	410	23
Beeravol														20	58	20	58
Praticota														87	32	87	32
Paggudial														206	37	206	37
ntchoomapoorum														107	51	113	15
Ganavarum														1	01	1	01
Toomaloor														337	53	337	53
thattipand														8	05	8	05
Bollavarum														74	49	74	49
Terrigopully														27	26	27	26
														10	37	10	37

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21st May 1875.

Abstract of Applications for First Crop received up to 5th April 1875 — (Concluded)

APPLICATIONS RECEIVED FROM 6TH MARCH TO 5TH APRIL 1875												Total up to 5th March 1874.	Grand Total up to 5th April 1875
At Rupees 0		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	ACRES	CENTS
<i>Nandakur Taluk — (Concluded)</i>													
Bunoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Juoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Cholmelia Rudravarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Pamalipand	0	0	0	0	0	0	0	0	0	0	0	0	0
Tudicherla	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumbelapally	0	0	0	0	0	0	0	0	0	0	0	0	0
Muddoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Manakcherla	0	0	0	0	0	0	0	0	0	0	0	0	0
Wanala	0	0	0	0	0	0	0	0	0	0	0	0	0
Repadigodoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Velapanoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Korripoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Vampala	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nandakur Taluk</i>													
Bilungoodoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Pesavay	0	0	0	0	0	0	0	0	0	0	0	0	0
Karrandula	0	0	0	0	0	0	0	0	0	0	0	0	0
Pernatoo	0	0	0	0	0	0	0	0	0	0	0	0	0
Kortanaddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Kakoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Rudimacoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Yerragudla	0	0	0	0	0	0	0	0	0	0	0	0	0
Bojanum	0	0	0	0	0	0	0	0	0	0	0	0	0
Terripand	0	0	0	0	0	0	0	0	0	0	0	0	0
Bojanur	0	0	0	0	0	0	0	0	0	0	0	0	0
Chundakur	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0

(Signed) C H WILKS,
Conservancy Engineer.

KURNOOL,
5th April 1875.

Abstract of Applications for Second Crop received up to 5th April 1875.

APPLICATIONS RECEIVED FROM 6TH MARCH TO 5TH APRIL 1875												Total up to 5th March 1875	Grand Total up to 5th April 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	ACRES	CENTS
<i>Ramabootla Taluk</i>													
Soonkessala	0	0	0	0	0	0	0	0	0	0	0	0	0
Kontheipand	0	0	0	0	0	0	0	0	0	0	0	0	0
Gopala singavarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Nidigoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Moongilpand	0	0	0	0	0	0	0	0	0	0	0	0	0
Mamidalpand	0	0	0	0	0	0	0	0	0	0	0	0	0
Koza	0	0	0	0	0	0	0	0	0	0	0	0	0
Kurcool	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalloor	0	0	0	0	0	0	0	0	0	0	0	0	0
Zorapoorum	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nandakur Taluk</i>													
Rudravarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Poodoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Uloor	0	0	0	0	0	0	0	0	0	0	0	0	0
Sakunota	0	0	0	0	0	0	0	0	0	0	0	0	0
Muddigula	0	0	0	0	0	0	0	0	0	0	0	0	0
Moovakonda	0	0	0	0	0	0	0	0	0	0	0	0	0
Veerapoorum	0	0	0	0	0	0	0	0	0	0	0	0	0
Mochoomunry	0	0	0	0	0	0	0	0	0	0	0	0	0
Beeravol	0	0	0	0	0	0	0	0	0	0	0	0	0
Pratacota	0	0	0	0	0	0	0	0	0	0	0	0	0
Ganapavarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Toomaloor	0	0	0	0	0	0	0	0	0	0	0	0	0
Thattipand	0	0	0	0	0	0	0	0	0	0	0	0	0
Bollavarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Chehnela Rudravarum	0	0	0	0	0	0	0	0	0	0	0	0	0
Tudicherla	0	0	0	0	0	0	0	0	0	0	0	0	0
Muddoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Velapanoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nandakur Taluk</i>													
Bilungoodoor	0	0	0	0	0	0	0	0	0	0	0	0	0
Pesavay	0	0	0	0	0	0	0	0	0	0	0	0	0
Karrimadula	0	0	0	0	0	0	0	0	0	0	0	0	0
Pernatoo	0	0	0	0	0	0	0	0	0	0	0	0	0
Bojanum	0	0	0	0	0	0	0	0	0	0	0	0	0
Chundakur	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0

(Signed) C H WILKS,
Conservancy Engineer.

KURNOOL,
5th April 1875.

Proceedings of the Madras Government, Public Works Department,
21st May 1875.

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

	FIRST CROP						SECOND CROP					
	1873-74			1874-75			1873-74			1874-75		
	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS
<i>Ramaleetia Taluk</i>												
Boonkela	18	60	12	83	5	77	3	91	3	28	5	00
Konthalpaud	7	81	8	81	3	61	5	81	0	31	28	00
Yedaroor	55	99	65	32	9	33	28	20	22	80	10	25
Gopala Singavarum	69	80	56	71	3	91	13	45	50	75	37	87
Nidgor	69	89	93	54	23	15	27	60	23	87	7	87
Moongelpaud	60	81	59	46	0	42	15	60	20	86	1	87
Mamdiapaud	68	89	59	41	0	42	18	99	20	86	7	87
Ross	15	74	11	22	0	11	7	85	7	44	0	41
Kurnool	7	60	7	71	0	11	9	39	9	28	0	11
Kulloor	440	75	359	13	79	90	214	63	170	75	43	88
Zorapoorum	116	73	79	90			11	61	18	87	7	26
Total	904	21	808	4	35		355	79	307	61	39	67
<i>Nundcooth Taluk</i>												
Rudravarum	63	84	48	58	16	81	4	63	6	75	2	07
Foodoor	84	93	15	75	19	18	7	63	23	54	15	93
Uloor	16	65	85	51	19	86	3	44	2	44	3	44
Satancoota	133	89	98	96	34	93	12	19	7	50	13	89
Mulleyala	133	63	108	54	25	09	3	68	3	70	1	02
Mudgalla	40	74	36	24	10	50	1	49	3	18	3	18
Dynevemula	81	28	14	67	16	61	2	01	6	13	5	79
Negatoor	55	71	69	63	20	02	0	84	2	59	13	80
Moorakonda	80	81	87	60	13	93	4	77	3	59	13	80
Veerapoorum	16	81	21	67	7	56	1	49	9	84	23	97
Vellala	426	39	410	23	16	16	4	77	13	96	1	15
Moochoomary	44	36	20	58	23	73	4	46	11	05	3	50
Palmur	95	78	87	33	8	46	34	33	11	05	3	50
Pratacoota	149	60	206	37	56	77	32	89	0	45	3	50
Puggudial	146	04	113	15	0	56	0	45	13	19	13	74
Lutchomappoorum	1	57	1	01	79	64	0	45	13	19	13	74
Ganapavarum	257	88	337	52	3	05	0	45	13	19	13	74
Toomaloor	1	00	3	05	2	05	0	45	13	19	13	74
Thattipaud	37	05	74	49	37	44	0	45	13	19	13	74
Bollavarum	26	88	27	26	0	43	0	45	13	19	13	74
Terrigopully	7	30	10	37	0	07	0	45	13	19	13	74

Proceedings of the Madras Government, Public Works Department,
21st May 1875

Comparative Statement of First and Second Crop for Season 1873-74 and 1874-75 — (Concluded)

	FIRST CROP						SECOND CROP					
	1873-74			1874-75			1873-74			1874-75		
	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS	ACRES	CENTS
<i>Nundcooth Taluk — (Concluded)</i>												
Bannoor	29	08	57	00	27	93	7	94	2	68	2	58
Jucoor	93	23	145	42	103	20	13	56	5	62	5	62
Chelimeela Rudravarum	143	23	246	63	101	17	4	79	4	78	4	78
Pannipaud	158	75	159	93	0	14	05	05	3	90	3	90
Tudicherla	53	82	72	47	19	60	2	77	3	90	3	90
Cumbalapully	77	26	72	47	0	14	25	77	3	90	3	90
Muddoor	10	38	10	52	43	24	0	45	13	19	13	74
Bankacherla	3	54	23	14	15	31	0	45	13	19	13	74
Wanala	77	61	15	31	47	73	0	45	13	19	13	74
Regadigoodoor	4	49	47	73	43	24	0	45	13	19	13	74
Velapanoor	71	39	45	61	24	67	0	45	13	19	13	74
Korrapoor	7	13	11	83	11	33	0	45	13	19	13	74
Vempenta												
Total	2,626	43	2,933	94	629	6	80	44	127	07	85	60
<i>Nundcooth Taluk</i>												
Bilulgoodoor	63	08	105	69	52	92	3	18	60	42	57	24
Pessaravoy	10	08	45	37	86	29	3	18	60	42	57	24
Karimadula	11	21	92	19	80	98	3	18	60	42	57	24
Pernatoor	8	83	31	38	13	55	3	18	60	42	57	24
Korranuddy	4	26	1	00	0	84	3	18	60	42	57	24
Rundiatnacoor												
Kakanur												
Yerraguntla												
Bojanam												
Terripaud	13	14	8	19	3	19	1	00	1	00	1	00
Bojanur	7	55	6	43	58	82	1	89	1	39	1	39
Chindakur												
Total	106	74	379	23	285	82*	13	33	57	24	51	82
Grand Total	3,637	39	4,121	21	951	76	448	41	495	10	182	51

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

KURNOOL,
5th April 1875

Proceedings of the Madras Government, Public Works Department,
21st May 1875.

Report for the Month of March 1875

THE supply of water during the middle of the month decreased rapidly, so as to lead me to fear we should not be able to mature the second crops; but by the end of the month it came down copiously, so that now, I believe, we shall retain a full supply until the end of this month, which will add largely, I hope, to the acreage of indigo flooded.

2 The repairs to the main canal and distribution works are progressing well and rapidly, but cannot be completed until the water has been let out of the canal for about one month. In the 10th section the silt has yet to be excavated out of the first three miles, as the thick bed of bull-rushes grown all over it prevented the sun drying it sufficiently to allow of its removal. I have now had these rushes cut down—an extra expense, but a needful one, as our time for removing the silt is now only nine weeks.

3 Pennair Anicut—The repairs to the two holes in the front wall and apron made by the floods of October last have given me much more trouble than I expected, for the upper two feet of the wells having been washed away I have had to excavate until we reached their broken tops, and the water as we went down flowed up so rapidly that I found it necessary to build masonry walls like square wells on the sand so as to sub-divide the work into portions from which the water could be pumped by the power at my command. This plan has succeeded, and by the 25th all the spaces above the broken wells in the southern hole were filled in with concrete up to the top of the division walls, and on the 31st the concrete having become hard, the re-building of the front wall was commenced, and is now going on rapidly. I anticipate no more difficulty in the repair of this hole, the total length of wall which has to be re-built is 105 feet.

4 The northern hole has been pumped free of water, and the rubbish and sand cleared out, and walls similar to those mentioned above are being constructed, and I hope to get in all the concrete and commence the masonry of the front wall early this week, the length to be re-built here is 81 feet.

5 Irrigation results—As applications for floodings to indigo are still coming in daily, and as in the Cuddapah District the Curnums have not yet sent in to my office more than two-thirds of the applications made, I cannot yet be certain of the full amount of the season's irrigation, but the following table, compiled from the best data at my command if not correct, will err on the side of not being so large as the actual acreage which has been under irrigation from these sections during this season—

Taluk	Total Irrigation of all kinds, 1874 75		Total Irrigation of all kinds, 1873 74		Increase		Decrease		Remarks
	A	C	A	C	A	C	A	C	
Nundial	456	30	274	71	181	59			* Leaving out tanks
Sirwell	1,930	27	1,449	35	480	92			† Do
Koilcoontla	351	94	348	00	3	94			
Jummalamadugu	188	49	124	53	63	96			
Prodatur	2,730	98	2,673	38	57	60			
Cuddapah	2,514	00	2,613	55			99	55	† Leaving out the flooding of fash 1272
Total ..	8,171	98	7,483	52	788	01	99	55	

I hope that Cuddapah may yet show an increase when all the returns are received.

6 General—Fever continues very prevalent, but is, I hope, decreasing on the whole.

7 Rain fell on the 24th and 27th, in all 0.34 inches, but the storms on the hills to the west of this valley must have been very heavy, as over 6 inch freshes came down the Pennair.

DHOOR,
5th April 1875

(Signed) A J DODSON,
Conservancy Engineer

Proceedings of the Madras Government, Public Works Department,
21st May 1875.

Chief Engineer's Report to accompany Divisional Reports for March 1875

IRRIGATION has been amply supplied throughout the month. The weather has been dry, except some slight showers on the 24th and 25th.

Both the Divisional Engineers have been occupied in repairs and in preparing especially for the annual repairs for which the canal was to be closed on the 15th instant.

No particular remark needs adding on the areas irrigated. Those in the lower division in Cuddapah District seem still very vaguely determined, and in Prodatur, so far as my office is informed, and omitting floodings, the increase seems to be 726½ acres in addition to the 1,764 acres of first and second crop recorded last year.

COONOR,
19th April 1875

(Signed) J. H. LATHAM,
Chief Engineer

SUBMITTED for the information of Government.

From the details given of the damage done to the Pennair anicut at Adimapully in the floods of October, it would seem that the action in front of its crest wall was very similar to that which occurred at the Thamarapauk anicut on the Cortihar, and was due to scour. The remedy against future similar scour proposed at the latter is an apron of rough stone, and it will be desirable to place such an apron, or a bank of quarry rubbish, as a protection at the base of the body wall of the Adimapully anicut.

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

No. 380. ORDER THEREON, 21st May 1875, No. 1,404

IRRIGATION, No. 42

THE Government desire to be informed of the result of the investigations of the Police and Magistracy into the murderous attack made on the 3rd March last upon the Company's Store-keeper at Valapanoor, from the effects of which it appears that the man died a day or two afterwards.

2. The attention of the Chief Engineer and Manager, Madras Irrigation and Canal Company, will be requested to the remarks of the Chief Engineer for Irrigation upon the cause of the damage at the Adimapully anicut on the Pennair, and on the precautionary measure probably necessary.

(True Extract)

Major, R.E.,
Offg Joint Secretary to Government

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

Exd A Grubert.
Spare Copies

Submitted for the information of Govern-
ment.

From the details given of the damage,
done to the Pennair Viment at Adina.

fully in the floods of October, it would seem that the action in front of its crest wall was very similar to that which occurred at the Shamirapauk Ancient on the Cortezan and was due to scour.

The remedy against future similar scours proposed at the latter, is an apron of rough stone, and it will be desirable to place such an apron, or a bank of quarry rubbish, as a protection at the base of the body wall of the Adinapully Aricut.

Stimmler Lt Col. R.E.
 Putnam }
 3rd May 1875 } Chief Engineer for Imp.

The Chief Engineer and
 Manager, Messrs. S. J. S.
 tion and Canal Company, and
 be requested to the remarks
 of the Chief Engineer for
 suggestion upon the cause of
 the damage at the Admia
 fully Ament in the Penna
 and on the precautionary
 measure probably necessary.

MM

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of the S. J. S.
 Manager S. J. S.
 first Dep.
 S. C. Dep. 4-6-75

+ S. C. Dep. 4-6-75

Govt. of 1875 Madras.
PUBLIC WORKS.

To

The Chief Engineer
Irrigation

Dated

Issued

Recd.

Encl

G O. ~~1404~~ 1404, No. 1404

Nos. 379-380

Madras Irrigation and
Canal Company. - Chief
Engineer and Manager's
Report for March 1875. -
Passing orders on the