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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	1416	Press
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	77-78	
Dated	3-6-	1863.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd June 1863.*

No. 77. Read the following Endorsement of Captain C. V. WILKIESON, R. E., Controller and Auditor of Public Works Accounts, dated Madras 21st May 1863, No. 60 :—

Read the following letter from Captain A. S. MOBERLY, Acting District Engineer, Nellore, to Captain C. V. WILKIESON, R. E., Controller and Auditor of Public Works Accounts, dated Nellore, 13th May 1863, No. 1,043.

SIR,

1. With reference to the Chief Engineer's Proceedings, No. 4,722 of 17th December 1862, I have the honor to forward a copy of a letter from the Collector, together with a Statement showing the revenue, expenditure, &c., under the works connected with the Pennair Anicut.

2. I regret the delay in the submission of this information, but I only received it this morning from the Collector, although I had written to him several times on the subject.

From J. W. B. DYKES, Esq., Collector of Nellore, to J. D. SIM, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Nellore, 22nd December 1862, No. 49.

SIR,

1. In continuation of my letter of the 17th ultimo, No. 37, I do myself the honor to submit for the consideration of Government a comparative Statement of Revenue and expenditure, as regards the Anicut across the Pennar at Nellore, and the subsidiary works.

2. In my letter of the 17th, I brought to the notice of Government, that a serious mistake had been made in supplying the information called for by Government in their Proceedings,* dated the 12th June last, No. 1,335.

That the Government had called for the revenue from the "channels in question," and that the returns sent in had shown not only the revenue from the channels but also from the tanks fed by those channels. And in submitting that to ascribe the general increase under both heads to the Anicut alone would be to ignore a heavy expenditure on tanks, I further stated, that the statement I then forwarded of the area to be irrigated from channels and the area to be irrigated from "channels and other sources," would form a clear basis for comparing revenue and expenditure under both heads; which has been carried into effect, it will be seen, in the Statement now forwarded.

3. Viewing the revenue and expenditure on the Pennair Anicut and its subsidiary works, in the first instance as a whole, it will be observed that columns 3 and 4 of the Statement now forwarded show the average revenue and expenditure from 1851 to 1856, and from 1856 to 1861, as follows :—

	RS.
Average revenue per annum from 1851 to 1856	52,064
Ditto from 1856 to 1861.....	67,943

whilst in 1861-62 which is also given on the half sheet, the total revenue is shown as 70,821 Rupees, thus showing an increase in the average of the second five years over the first of Rupees 15,879, and in the revenue of last year over the first five years of Rupees 18,757 and over the second five years of Rupees 2,878.—Whilst on the other hand there has been an average gross expenditure per annum in the first period of Rupees 25,687, and in the second five years of Rupees 48,634, the total expenditure in last year having been Rupees 54,311, of which last sum 4,000 Rupees were spent in repairs, and the half lac in new works.

4. And before going further, I would here beg to submit that these figures show conclusively, that, if the Nellore Anicut has not been placed where it might have been placed with most advantage, and if the Pennair Anicut was built in the first instance, like many other great works, on mistaken principles, still, notwithstanding these serious defects and including the money misspent, the money invested will be recovered, and the Government will be left in possession of a profitable investment. For the chief item of expenditure, the Anicut itself, has only been completed this year. It has only come fully into play this year and that only for a portion of the works that will hereafter be subsidiary to it. And, if, under these circumstances by the expenditure on the subsidiary works there is an average

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3rd June 1863.*

increase of 15,879 Rupees for the five years from 1856 to 1861 over the average revenue from 1851 to 1856 or 30 per cent. and of 18,757 Rupees last year or 36 per cent. It is not a bold assertion, that the results will be still more favorable when the system of tanks to be subsidized from the Krishnapatnam, and the Sarvapalli Channels are brought into the calculations, and instead of attempting to define results, at the present time, a few more years have been allowed to elapse, and agricultural produce has been allowed to develop itself to take full advantage of the increased means of irrigation placed at its command.

5. Whilst I may here fitly add in pursuing the question of general results, it will be my duty in May next, I well know, to submit for the consideration of Government what must be a most gratifying account of the results of the Anicut in the current year, whether as regards local effects or in a financial point of view. Two weeks ago, I made a tour through the inland Taluqs north of the Pennair. I was everywhere met with cries for water, and complaints of crops either withering or about to perish. With the exception of Allaru nowhere did I see a Tank more than a quarter full. In many instances they were exhausted. I came

to Nellore. I found the river falling, and, driving across the Anicut causeway,* which will now for the next six months form an excellent bridge, I found a magnificent supply being poured into the Southern Delta, and the Delta so thoroughly supplied that survey operations were suspended. And it is my duty to add, and a pleasing duty, that, whilst the returns submitted with this and the previous letter show only the effects of the Anicut as derived through the Jaffer Sahib Channel and its subsidiary works, thanks to the zeal and ability with which the works on the Krishnapatnam canal have been pushed forward by the Acting District Engineer, Major Greenaway, the Acting First Assistant District Engineer in charge of the Range, Lieutenant Smith, and the Overseer in charge of the works, Sergeant Wiffen, the Krishnapatnam Canal is now made available for nearly the whole of its length, and the supply of water thus poured into the Southern Delta with the supply from the Sarvapalli Channel will in no small degree contribute to swell the favorable results to be brought forward for 1862-63.

6. Taking the limited sphere of comparison which has been necessarily adopted for the present returns, it will be observed that the total expenditure compared with the total revenue gives an expenditure per annum on our gross income of 49 per cent. on the average of the first five years, 72 per cent. on the average of the second five years, and 77 per cent. on the income of last year, of which 5 per cent. may be taken for repairs.

7. And to conclude this general review of the expenditure on the Pennar Anicut, it may here be observed, for so much as such a comparison is worth, that on a gross outlay in the ten years of 3,71,605 Rupees there has been a return as shown by a comparison of the average per annum of the second five years compared with the first of 15,879 Rupees or 4 $\frac{1}{4}$ per cent. And in last year, adding on the expenditure of that year, there has been for a total outlay of little more than 4 $\frac{1}{2}$ lakhs an increase as previously shown over the average of the first five years series of about 18,757 Rupees or 4 $\frac{1}{4}$ per cent.

8. Leaving now the general view of the question to take up the point which has led me to address Government direct on this subject, if the Government will be pleased to refer to the half sheet in the statement now forwarded which shows the revenue and expenditure for 1861-62 above referred to, it will be seen that the revenue for the year in question on the area irrigated direct from Channels was 11,299 Rupees and the expenditure 6,424 Rupees, whilst the revenue on the area irrigated by the Channels and other sources, as given in column 8, it will be seen was 58,848 Rupees and the Expenditure 5,767 Rupees. In the averages for the previous 10 years these details are not shown:

	Average Revenue.		Average Expenditure.	
	1851-52 to 1855-56	1856-57 to 1860-61	1851-52 to 1855-56	1856-57 to 1860-61
The Channels	8,597	11,056	656	536
Other Sources	43,527	56,257	3,162	12,927
Total	52,064	67,943	3,818	13,463

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3rd June 1863.*

They are given in the margin; and, from the marginal information now submitted, the Government will observe that so far as the accounts can be depended upon the increase of 30 per cent.* has been pretty equally divided, between the irrigation direct from the channels and the irrigation from tanks that have from time to time been made subsidiary to the channels, but that the revenue under the two heads is as 1 to 5, whilst on these subsidiary works the Government will observe there has been an average expenditure from 1851 to 1856 of 3,162 Rupees per annum, from 1856 to 1861 of 12,927 Rupees, making a total expenditure in the ten years of 80,445 Rupees. And it is these proportions and this expenditure, that, in my opinion, the District Engineer wholly ignored when he sought to ascribe the rise in revenue to the effects of the Anicut and the Anicut alone.

* 37 Nearly on Channels.

39 Nearly on Channels and other sources.

9. And in bringing this item of expenditure of 80,445 Rupees to the notice of Government, as a necessary ingredient in all calculations by which it is attempted to show the value of the Anicut in a financial point of view, I am only telling a very small portion of the truth. 80,000 Rupees is the sum that has been spent in the last 10 years in improving and maintaining the reservoirs bequeathed to us by our predecessors. These reservoirs have been improved and kept up by us at the public expense for the previous 50 years. The 80,000 Rupees spent in the last 10 years, in no way indicates the capital that has been sunk in the original formation of the reservoirs, or their subsequent repairs to 1850. It in no way indicates the value of the channels that have been made use of for the Anicut, which have been kept up hitherto, and are now chiefly kept up by customary labor. And under these circumstances I trust that the Government will consider that I did right in requesting that final orders might be suspended on the subject of the Anicut across the Pennar at Nellore, and that I was not in error when I preferred to ascribe the present rise in revenue rather to other causes than to the Anicut itself.

10. In the statement now submitted, the expenditure given is, I believe, strictly correct in regard to its totals, and in the expenditure upon subsidiary works, but as regards the precise amount that has been expended on each section of a channel as much cannot be said. And I am about to write to the Acting District Engineer to request, that, for the current year, I may be furnished with an accurate exhibition of the expenditure on each channel and each section of a channel, so that hereafter there may be no difficulty in comparing revenue and expenditure, profit and loss, in every branch of the undertaking entrusted to our care.

(True Copy.)

Forwarded to the Acting District Engineer Nellore, with reference to his letter of the 27th ultimo No. 926.

(Signed) J. W. B. DYKES, Collector.

1 Letter from the Acting District Engineer Nellore, No. 1,043, dated 13th March 1863, with two enclosures.

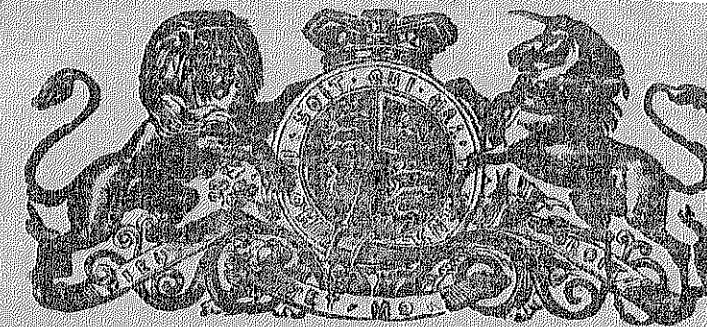
Submitted to Government, in continuation of and with reference to paragraph 6 of letter No. 548, dated 15th May 1863.

(Signed) C. V. WILKIESON, Captain, R. E.,
Controller and Auditor of P. W. Accounts.

No. 78.

ORDER THEREON, 3rd June 1863, No. 1,416.
Recorded.—Vide Proceedings 3rd February 1863, No. 285.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.



SUPPLEMENT

TO

The Nellore District Gazette.

Published by Authority.

SATURDAY, DECEMBER 6, 1862.

IRRIGATION

IN THE DISTRICT OF

NELLORE,

THE AREA, REVENUE, AND EXPENDITURE,

WITH

COMPARATIVE DETAILS OF REVENUE AND EXPENDITURE,

AND

REMARKS ON THE NATURE OF THE WORKS,

SUPPLY, AND MANAGEMENT.

THE PENNAIR ANIKAT AT NELLORE

Name, and number of the Channel, its class, and position.		Name of the Village and Taluq.		Average Revenue.		Average Expenditure.		Expenditure compared with Revenue.	
				1851-52	1855-57	1851-52	1855-57	1851-52	1855-57
				to	to	to	to	to	to
No.	Name.	Class.	Position.	Taluq.	Village.	Rs.	Rs.	Per cent.	Per cent.
1	Jaffer Sahib and Gangapatnam.	Main Line.	Section No. 1, from the Channel Head to the Allipuram Regulator.....	Nellore.	Gudipallipadu.....	625	1,059	...	...
			Total.....			625	1,059	...	...
1	Iduru Koduru.	Main Branch.	South bank of the first Section of the Jaffer Sahib and Gangapatnam Chan- nel.....	Nellore.	Peduru.....	2,667	4,064	167	263
					Mungalakoruvi ...	18	18	...	...
					Koduru.....	4,666	5,275	...	...
					Iduru.....	4,223	4,040	377	2,712
			Total.....			11,574	14,397	544	2,982
1	Varigonda	Subsidiary Branch.	The South bank of the Iduu Koduru Channel.....	Nellore.	Narukuru.	806	1,354	115	232
					Chinnacherukuru..	1,792	2,069	74	100
					Vaviletipadu... ..	...	...	...	...
					Varigonda	2,743	4,090	90	1,072
					Thotapalli Guduru.	2,150	2,863	41	348
			Total.....			7,491	10,363	320	1,766
2	Thotapalli....	Subsidiary Branch.	The South bank of the Iduu Koduru Channel....	Nellore.	Thotapalli Guduru	2,276	2,825	276	741
					Thotapalli.	3,905	4,277	42	442
			Total.....			6,181	7,102	318	1,180
3	Amuluru.....	Subsidiary Branch.	The North bank of the Iduu Koduru Channel.....	Nellore.	Amuluru.....	2,890	3,897	133	501
					Vilukanipalli... ..	53	53	...	...
			Total.....			2,943	3,950	132	501
			Total Irrigation from the Main Branch...			11,574	14,397	544	2,982
			Total Irrigation from the Subsidiary Branches of the Iduu Koduru Channel. ...			16,615	21,415	770	3,457
			Total Irrigation from the Iduu Koduru Channel			28,189	35,812	1,314	6,439

THE PENNAIR ANIKAT AT NELLORE.

Area irrigated from the Channels in 1860-61, and its assessment.		Expenditure on the channels and Regulating Works in 1860-61.		
Area.	Assess- ment.	New Works.	Repairs.	Total.
Acres	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...
...	...	...	...	...
80	120	...	...	...
37	7	...	...	...
123	140	...	...	...
157	256	...	...	...
397	523	...	...	...
25	48	...	...	...
262	343	...	...	...
...	...	...	...	...
...	...	...	...	...
230	631	...	...	...
617	1,022	...	...	...
...	...	...	...	...
317	1,391	...	...	...
317	1,391	...	...	...
344	787	...	...	...
...	...	...	...	...
344	787	...	...	...
397	523	...	...	...
1,178	3,200	...	...	...
1,675	3,723	...	...	...

THE PENNAIR ANIKAT AT NELLORE

8			9		
Area irrigated in 1860-61 from the Channel and other sources, the Names of the Supplementary Works, and the assessment.			Expenditure in 1860-61 on the Supplementary Works noted in column 8.		
Names.	Area	Assessment.	New Works	Repairs.	Total
	Acres.	Rs.	Rs.	Rs.	Rs.
Nellore Tank	369	991	...	.....	.....
.....	369	991	...	.....	.....
{ Kotta Tank. ...	406	1,461	...	123	123
{ Kotti do. ...	329	1,666	...	.....	.....
{ Pata do. ...	243	541	...	485	485
{ Ponds	64	11	...	.....	.....
{ Ummadi or Pedda Tank... ..	1,138	3,963	...	.....	.....
{ Ponds	97	698	...	.....	.....
{ Ummadi Tank ..	1,003	3,454	127	380	507
{ Kotteti do. ...	94	353	...	.....	.....
{ Ponds	4	25	...	.....	.....
.....	3,378	12,175	127	988	1,115
Kondalarayadi Tank.....	325	1,400	198	383	581
{ Kotta Tank	303	1,160	...	123	123
{ Pata do.	153	679	...	.....	.....
{ Kasirazu Tank. .	1,007	2,977	...	.....	.....
{ Pata do.	243	875	...	.....	.....
{ Kain .....	...	...	...	.....	.....
{ Kanaka Tank.....	516	1,866	...	.....	.....
.....	2,519	8,867	198	506	704
{ Konagunta Tank	247	991	29	.....	29
{ Pedda Tank. ...	524	2,038	35	242	277
{ Pedda Tank. ...	263	1,258	...	.....	.....
{ Kotta do.	344	1,523	...	.....	.....
.....	1,378	5,810	64	242	306
{ Pedda Tank. ...	431	1,907	...	235	235
{ Ponds	96	433	...	.....	.....
{ Painampudi do.	81	62	...	.....	.....
{ Ana do.	36	216	...	152	152
{ Natural water course	24	53	...	.....	.....
.....	668	2,671	...	387	387
.....	3,378	12,172	127	988	1,115
.....	4,595	17,338	262	1,135	1,397
.....	7,973	29,510	389	2,123	2,512

THE PENNAIR ANIKAT AT NELLORE

10					11	
Total Revenue and Expenditure in 1860-61.					Total Expenditure compared with total Revenue for 1860-61.	
Total Area irrigated and its assessment.		Total Expenditure.			On Repairs.	
Area.	Assessment.	New Works	Repairs	Total	Per cent.	Per cent.
Acres.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.
369	991	...	...	...	.....	.....
369	991	...	...	...	.....	.....
1058	3,788	...	123	123	8	8
101	18	...	485	485	50	50
1358	4,801	Ummadi Tank expenditure only.				7
1258	4,088	127	380	507	.....	.....
3,775	12,695	127	988	1,115	8	9
350	1,448	198	383	581	27	27
720	2,082	...	123	123	11	11
1250	3,852	...	...	...	.....	.....
746	2,497	...	...	...	.....	.....
3,066	9,879	198	506	704	5	7
771	3,029	29	...	29	.....	3
924	4,172	35	242	277	12	14
1,695	7,201	64	242	306	3	4
988	3,405	...	235	235	12	12
...	...	...	152	152	70	70
24	53	...	...	...	.....	.....
1,012	3,458	...	387	387	11	11
3,775	12,695	127	988	1,115	8	9
5,773	20,538	262	1,135	1,397	6	7
9,548	33,233	389	2,123	2,512	6	9

THE PENNAIR ANIKAT AT NELLORE

6		7		
Area irrigated from the Channels in 1861-62, and its assessment.		Expenditure on the channels and Regulation Works in 1861-62.		
Area.	Assess-ment.	New Works.	Repairs.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.
.....				
.....				
63	139	.....	.....	.....
37	.....	.....	.....	.....
170	337	.....	.....	.....
137	347	.....	.....	.....
407	823	.....	.....	.....
23	73	.....	.....	.....
236	526	.....	.....	.....
.....				
.....				
226	672	.....	.....	.....
485	1,271	.....	.....	.....
.....				
327	1,512	.....	.....	.....
327	1,512	.....	.....	.....
328	894	.....	.....	.....
.....				
328	894	.....	.....	.....
407	823	.....	.....	.....
1,140	3,677	.....	.....	.....
1,547	4,500	2,970	.....	2,970

THE PENNAIR ANIKAT AT NELLORE.

THE PENNAIR ANIKAT AT NELLORE.

Area irrigated in 1861-62 from the Pennai and other sources, the Names of the Supplementary Works, and the assessment.						Expenditure in 1861-62 on the Supplementary Works noted in column 8.					
Names.	Area.	Assessment.	New Works.	Repairs.	Total.	Area.	Assessment.	New Works.	Repairs.	Total.	
	Acre.	Rs.	Rs.	Rs.	Rs.						
Nellore Tank...	387	1,338	...	...	...						
.....	387	1,338	...	...	...						
{ Kotta Tank.....	387	1,590	217	...	217						
{ Kelli do.	344	1,713	...	...	...						
{ Pata do.	277	705	...	...	...						
Ponds.....	64	...	...	...	...						
{ Ummadi or Pedda Tank...	1,281	4,744	...	...	...						
{ Ponds.....	97	698	...	...	...						
{ Ummadi Tank..	986	4,964	...	382	382						
{ Kolleti... ..	94	388	...	...	...						
{ Ponds.....	141	434	...	...	...						
.....	3,661	14,356	217	382	599						
Kondalarayadi Tank...	308	1,293	...	35	35						
{ Kotta Tank.....	287	1,018	...	...	...						
{ Pata do.	177	577	...	...	...						
.....	995	3,237	...	409	409						
{ Kasirazu Tank..	243	984	...	...	...						
{ Pata do.	14	1	...	...	...						
{ Rain... ..	517	2,061	...	68	68						
Kanaka Tank.....	2,541	9,161	...	512	512						
.....	2,541	9,161	...	512	512						
{ Konagunta Tank	238	1,009	...	...	...						
{ Pedda Tank. ...	523	2,127	88	233	...						
{ Pedda Tank. ...	288	1,299	38	...	...						
{ Kotta do.	332	1,755	...	...	...						
.....	1,381	6,260	126	233	35						
{ Pedda Tank ...	399	1,832	218	246	46						
{ Ponds.....	36	227	...	...	...						
{ Painampadi do..	70	68	...	...	...						
{ Ana do.	98	442	86	35	12						
Natural water course.....	24	66	...	...	...						
.....	627	2,636	304	281	58						
.....	3,661	14,356	217	382	599						
.....	4,549	18,056	430	1,026	1,456						
.....	8,210	32,392	647	1,408	2,055						

Total Revenue and Expenditure in 1861-62.						Total Expenditure incurred with total Revenue in 1861-62.					
Total Area irrigated and its assessment.	Total Expenditure.					On Repairs.	Total.				
Area.	Assessment.	New Works.	Repairs.	Total.		Per cent.	Per cent.				
Acre.	Rs.	Rs.	Rs.	Rs.							
387	1,338	...	...	...							
387	1,338	...	...	...							
1061	4,147	217	...	217			14				
101	46	...	...	...							
1548	5,779	...	...	...							
1358	5,233	...	382	382			4		4		
4,068	15,205	217	382	599			3		4		
331	1,356	...	35	35			3		3		
700	2,121	...	...	...							
1252	4,222	...	409	409			13		13		
743	2,733	...	68	68			3		3		
3,026	10,432	...	512	512			5		5		
761	3,206	...	...	...							
947	4,566	88	233	321			11		15		
1,708	7,772	126	233	359			3		5		
931	3,463	218	246	464			13		25		
...	...	86	35	121			8		27		
24	66	...	...	...							
955	3,529	304	281	585			8		17		
4,068	15,205	217	382	599			3		4		
5,689	21,733	430	1,026	1,456			5		7		
9,757	36,938	3,617	1,408	5,025			4		14		

REMARKS

THE PENNAIR ANIKAT AT NELLORE

Name, and number of the Section, and position.			Name of the Village.		Average Revenue.		Average Expenditure.		Expenditure compared with Revenue.	
No.	Name.	Position.	Village.	Rs.	P.	Rs.	P.	Per cent.	Per cent.	
Total Irrigation from the Main Line and Branches of the first Section of the Jaffer Sahib and Gangapatnam Channel above the Allipuri Regulator.				28,854	26,871	1,314	5,232	3	15	
3	Jaffer Sahib and Gangapatnam.	Main Line.	Section No. 2 from the Allipuri to the Narayana Regulator.	Indukurupeta	4,497	3,723	442	1,763	10	30
Total				4,497	3,723	442	1,763	10	30	
1	Mayipadu, Koruturu, and Indukurupeta.	Main Branch.	The South Bank of Section No. 2 of the Jaffer Sahib and Gangapatnam Channel	Indukurupeta	3,154	5,111	310	597	11	8
				Samaranapalle	1,010	1,349	40	997	1	39
				Mayipadu	2,568	2,481	233	711	7	17
				Koruturu	1,576	1,768				
Total				7,308	10,725	613	1,915	8	18	
Potlapudi and Venkanapalem.		Subsidiary Branch.	The South Bank of the Mayipadu, Koruturu, and Indukurupeta Channel	Indukurupeta	723	1,182	145	274	18	23
				Vilukapalle	595	303				
				Potlapudi	1,723	1,645	23	54	1	3
				Venkanapalem	1,197	1,454	129	131	6	5
				Koruturu	77	1,029				
				Koruturu	348	309				
Total				5,294	6,124	297	464	6	8	
Total Irrigation from the Main Branch				7,308	10,725	613	1,915	8	18	
Total Irrigation from the Subsidiary Branches of the Mayipadu, Koruturu, and Indukurupeta Channel				5,294	6,124	297	464	6	8	
Total Irrigation from the Mayipadu, Koruturu, and Indukurupeta Channel				12,852	16,849	910	2,379	7	14	
Total Irrigation from the Main Line and Branches of the second Section of the Jaffer Sahib and Gangapatnam Channel, between the Allipuri and Narayana Regulators				17,349	22,573	1,352	4,082	8	18	

THE PENNAIR ANIKAT AT NELLORE

Area irrigated from the Channels in 1860-61, and its assessment.		Expenditure on the channels and Regulating Works in 1860-61.		
Area.	Assessment.	New Works.	Repairs.	Total.
Acres.	Rs.	Its.	Rs.	Rs.
1,575	3,723	.....	.....	.....
290	1,279	.....	.....	.....
290	1,279	.....	.....	.....
202	836	.....	.....	.....
150	394	.....	.....	.....
10	43	.....	.....	.....
27	61	.....	.....	.....
389	1,334	.....	.....	.....
64	302	.....	.....	.....
76	167	.....	.....	.....
216	507	.....	.....	.....
282	913	.....	.....	.....
175	500	.....	.....	.....
...				
812	2,389	.....	.....	.....
389	1,334	.....	.....	.....
812	2,389	.....	.....	.....
1,201	3,723	.....	.....	.....
1,491	5,002	.....	.....	.....

THE PENNAIR ANIKAT AT NELLORE

8			9		
Area irrigated in 1860-61 from the Channel and other sources, the Names of the Supplementary Works, and the assessment.			Expenditure in 1860-61 on the Supplementary Works noted in column 8.		
Names.	Area.	Assessment.	New Works.	Repairs.	Total.
	Acres.	Rs.	Rs.	Rs.	Rs.
.....	8,342	30,501	389	2,123	2,512
{ Pedda Tank....	907	3,802	...	410	410
{ Bramhana do ...	197	355	...	73	73
{ Ponds.....	13	17	...	.....	.....
{ Rain.....	...	...	...	.....	.....
.....	1,117	4,174	...	483	483
{ Pedda Tank. ...	739	3,329	...	.....	.....
{ Old Penakini. .	51	122	...	.....	.....
{ Tank	159	738	30	255	285
{ Ponds.....	58	231	...	.....	.....
{ Samadi Tank. ...	567	2,645	...	729	729
{ Do. do. ...	442	1,491	...	.....	.....
.....	2,007	8,556	30	984	1,014
Indupuru Tank....	334	1,551	...	.....	.....
{ Kotta Tank....	60	132	...	.....	.....
{ Vilukani do. ...	60	132	...	.....	.....
{ Ponds.....	34	74	...	.....	.....
{ Tank.....	113	526	...	.....	.....
{ Chintagunta Tank... ..	90	432	...	.....	.....
{ Ganapati Tank. ...	156	662	...	.....	.....
{ Ganapati do. ...	129	427	...	.....	.....
{ Ganapati do. ...	144	458	...	.....	.....
.....	1,120	4,294	...	.....	.....
.....	2,007	8,556	30	984	1,014
.....	1,120	4,294	...	.....	.....
.....	3,127	12,850	30	984	1,014
.....	4,244	17,024	30	1,467	1,497

THE PENNAIR ANIKAT AT NELLORE

10					11	
Total Revenue and Expenditure in 1860-61.					Total Expenditure compared with total Revenue for 1860-61.	
Total Area irrigated and its assessment.	Total Expenditure.					
Area.	Assessment.	New Works.	Repairs.	Total.	On Repairs.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.
9,917	34,224	389	2,123	2,512	6	7
1407	5,453	...	410	410	11	11
			73	73	21	21
			...	...		
			...	...		
1,407	5,453	...	483	483	9	9
992	4,287	...	...	...	.....	.....
			30	285	35	39
			...	...		
			...	...		
577	2,688	...	...	...	18	18
469	1,552	...	...	...	.....	.....
2,396	9,890	30	984	1,014	10	10
398	1,853	...	...	...	.....	.....
230	505	...	...	...	.....	.....
418	1,465	...	...	...	.....	.....
438	1,475	...	...	...	.....	.....
304	927	...	...	...	.....	.....
144	458	...	...	...	.....	.....
1,932	6,683	...	...	...	.....	.....
2,396	9,890	30	984	1,014	10	10
1,932	6,683	...	...	...	.....	.....
4,328	16,573	30	984	1,014	6	6
5,735	22,026	30	1,467	1,497	7	7

THE PENNAIR ANIKAT AT NILLUR

6

REMARKS.

Area irrigated from
the Channels in
1861-62, and its
assessment.Expenditure on the
and Regulating Works
in 1861-62.

Area.	Assess- ment.	New Works.	Repairs.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.
1,547	4,500	2,970	.....	2,970
141	595	.....	.....	.....
141	595	.....	.....	.....
173	778	572	.....	572
145	401			
10	38			
159	285			
489	1,512	572	.....	572
85	353	.....	.....	.....
76	.....	.....	.....	.....
193	630	.....	.....	.....
278	1,065	.....	.....	.....
201	829	.....	.....	.....
833	2,577	.....	.....	.....
489	1,512	572	.....	572
833	2,577	.....	.....	.....
1,522	4,089	572	.....	572
General expenditure.		193	.....	193
1,463	4,684	765	.....	765
General expenditure.		2,689	.....	2,689

THE PENNAIR ANIKAT AT NELLORE.

THE PENNAIR ANIKAT AT NELLORE.

8						9					
Area irrigated in 1861-62 from the Channel and other sources, the Names of the Supplementary Works, and the assessment.						Expenditure in 1861-62 on the Supplementary Works noted in column 8.					
Names.	Area.	Assessment.	New Works	Re-pairs.	Total.						
	Aores.	Rs.	Rs.	Rs.	Rs.						
.....	8,597	33,750	647	1,408	2,055						
{ Pedda Tank....	953	4,549	.....	.....	.....						
{ Bramhana do ...	256	1,284	.....	324	324						
{ Ponds 8		14	.....	.....	.....						
{ Rain.. 1		3	.....	.....	.....						
.....	1,218	5,850	.....	324	324						
{ Pedda Tank. ...	743	3,469	161	179	340						
{ Old Penakini ...	67	237	.....	.....	.....						
{ Tank.....	146	721	37	87	124						
{ Ponds.....	67	270	.....	.....	.....						
Ummadi Tank. ...	575	2,724	.....	.....	.....						
Do. do. ...	399	1,684	.....	225	225						
.....	1,997	9,105	198	491	689						
Indupuru Tank....	322	1,627	161	.....	161						
{ Kotta Tank. ...	60	.....	.....	.....	.....						
{ Velukani do. ...	60	.....	.....	.....	.....						
{ Ponds.....	34	.....	.....	.....	.....						
{ Tank... ..	113	572	.....	.....	.....						
{ Chintagunta			.....	.....	.....						
{ Tank... ..	92	456	.....	.....	.....						
Ganapati Tank. ...	163	655	.....	.....	.....						
Ganapati do. ...	125	429	700	.....	700						
Ganapati do. ...	76	332	.....	.....	.....						
.....	1,050	4,071	861	.....	861						
.....	1,997	9,105	198	491	689						
.....	1,050	4,071	861	.....	861						
.....	3,047	13,176	1,059	491	1,550						
.....	4,265	19,026	1,059	815	1,874						

10						11					
Total Revenue and Expenditure in 1861-62.						Total Expenditure compared with total Revenue for 1861-62.					
Total Area irrigated and its assessment.						Total Expenditure.					
Area.	Assessment.	New Works	Re-pairs.	Total.		On Repairs.	Total.				
Aores.	Rs.	Rs.	Rs.	Rs.		Per cent.	Per cent.				
10,144	38,276	3,617	1,408	5,025		4	13				
{ 1359	6,445	.....	324	324		25	25				
1,359	6,445	.....	324	324		5	5				
{ 985	4,475	161	179	340		5	10				
{ 358	1,401	37	87	124		12	17				
{ 585	2,762	.....	572	572		.....	.....				
{ 558	1,979	.....	225	225		5	5				
2,486	10,617	770	491	1,261		6	12				
407	1,980	161	.....	161		.....	10				
{ 230	628	.....	.....	.....		.....	.....				
{ 398	1,658	.....	.....	.....		.....	.....				
{ 446	1,720	.....	.....	.....		.....	.....				
{ 326	958	700	.....	700		.....	49				
{ 76	332	.....	.....	.....		.....	.....				
1,883	7,276	861	.....	861		.....	12				
2,486	10,617	770	491	1,261		5	12				
1,883	7,276	861	.....	861		.....	12				
{ 4369	17,893	1,824	491	2,315		3	13				
{ 5728	24,338	4,513	815	5,328		3	22				

* Ummadi Tank expenditure only.

† Ganapati Tank expenditure only.

THE DREAM

REMARKS.

THE PENNAIR ANIKAT AT NELLORE

1			2		3		4		5					
Name, and number of the Channel, its class, and position.			Name of the Village and Taluq.		Average Revenue.		Average Expenditure.		Expenditure compared with Revenue.					
					1851-52 to 1855-56	1856-57 to 1860-61	1851-52 to 1855-56	1856-57 to 1860-61	1851-52 to 1855-56	1856-57 to 1860-61				
No.	Name.	Class.	Position.	Taluq.	Village.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.			
3	Jaffer Sahib and Gangapatnam.	Main Line.	Section No. 3 below the Narayanareddipeta Regulator....	Nellore.	Loburu.....	68	172							
					Pannuru	929	1,592	57	315	6	20			
					Komerika....	66	60							
					Gangapatnam....	2,163	3,458	954	1,616	44	47			
					Total	3,226	5,282	1,011	1,931	31	37			
Komerika and Mudivartipalem.	Main Branch.	The North bank of the Jaffer Sahib and Gangapatnam Channel below the Narayanareddipeta Regulator.	Nellore.	Komerika....	1,592	2,066	71	364	4	18				
				Mudivartipalem....	1,083	1,151	70	362	6	31				
				Total	2,675	3,217	141	726	5	23				
				Total Irrigation from the Main Line and Branches of the third Section of the Jaffer Sahib and Gangapatnam Channel, below the Narayanareddipeta Regulator.....					5,901	8,499	1,152	2,657	20	31
				Expenditure on the Main Line without reference to any particular village....								285		
Total ..					5,901	8,499	1,152	2,942	20	35				
Grand Total of Irrigation from the Main Line and Branches of the Jaffer Sahib and Gangapatnam Channel.....					52,064	67,943	3,818	13,463	7	20				
Expenditure on the construction &c., of the Pennair Anikat.....					.....	.....	21,213	34,920	.....	.....				
Expenditure on the Jaffer Sahib Channel being general expenditure and not capable of distribution on the various branches to which it may appertain. ...					.....	.....	656	261	.....	.....				
Grand Total					52,064	67,943	25,687	48,634	49	72				

THE PENNAIR ANIKAT AT NELLORE

6		7		
Area irrigated from the Channels in 1860-61, and its assessment.		Expenditure on the channels and Regulation Works in 1860-61.		
Area.	Assessment.	New Works.	Repairs.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.
81	137	.....	.....	.....
107	450	.....	.....	.....
310	804	.....	.....	.....
498	1,391	.....	.....	.....
13	25	.....	.....	.....
101	643	.....	.....	.....
114	668	.....	.....	.....
612	2,059	.....	.....	.....
612	2,059	.....	.....	.....
3,678	10,784	.....	.....	.....
3,678	10,784	.....	.....	.....
3,678	10,784	.....	.....	.....

THE PENNAIR ANIKAT AT NELLORE

THE PENNAIR ANIKAT AT NELLORE

Area irrigated in 1860-61 from the Panna and other sources, the Amount of the Supplemental Works, and the assessment.

Expenditure in 1860-61 on the Supplemental Works noted in column 8.

Total Revenue and Expenditure in 1860-61.

Total Area irrigated and its assessment.

Total Expenditure

Total Revenue 1860-61.

Names. Area. Assessment. New Works. Repairs. Total.

Area. Assessment. New Works. Repairs. Total. On Repairs.

Acres. Rs. Rs. Rs. Rs.

Acres. Rs. Rs. Rs. Rs. Percent.

Jagadevapatna Kanava.....

81 137

Pedda Tank..... 302 1,297 36 857

409 1,747 36 857 893 66

Ponds..... 5 42

5 42

Pedda Tank. ... 758 2,436 80 2,462 2

1107 3,240 80 2,462 2,542 101

Ana do. ... 39

39

1,104 3,775 116 3,319 3

1,602 5,166 116 3,319 3,435 61

Tank..... 402 1,776 202 471

426 1,801 202 471 673 27

Old Penakini... 11

393 1,112

Tank..... 292 469

819 2,913 202 471 673 16

705 2,245 202 471

1,809 6,020 318 3,790 4

2,421 8,079 318 3,790 4,108 47

1,809 6,020 318 3,790 4

2,421 8,079 318 3,790 4,108 47

14,395 53,545 737 7,380 8

18,073 64,329 737 7,380 8,117 11

44,909

44,909

655 655

18,073 64,329 45,646 8,035 53,681 12

14,395 53,545 737 7,380 8

83

REVENUE

THE PENNAIR ANIKAT AT NELLUR.

Area irrigated from
the Channels in
1861-62, and its
assessment.

Expenditure on the channels
and Regulating Works
in 1861-62.

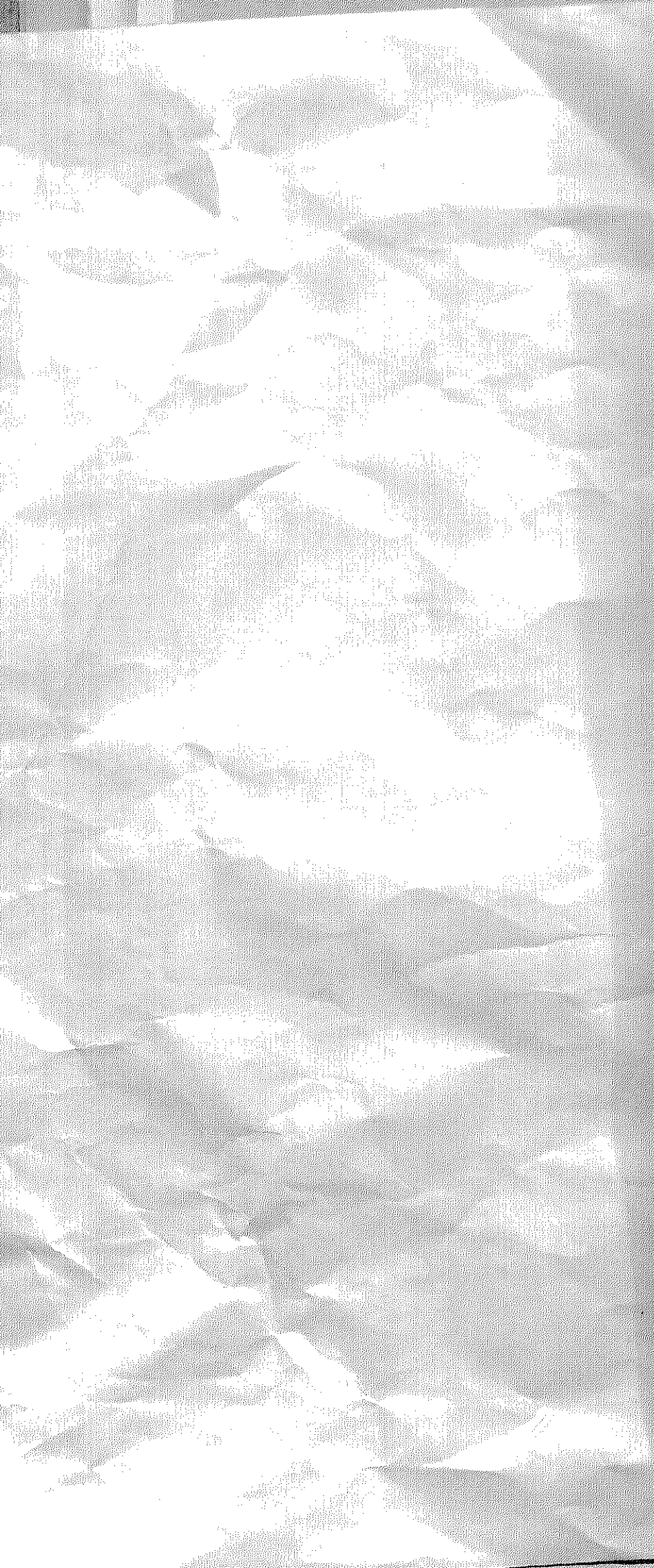
Area.	Assess- ment.	New Works.	Repairs.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.
72	62	.....	.....	.....
10	330	.....	.....	.....
.....				
279	1,059	.....	.....	.....
371	1,451	.....	.....	.....
13	19	.....	.....	.....
104	645	.....	.....	.....
117	664	.....	.....	.....
488	2,115	.....	.....	.....
3,496	11,299	6,424	.....	6,424
.....	.....	34,791	.....	34,791
.....	.....	6,936	390	7,326
3,496	11,299	48,164	390	48,544

THE UNIVERSITY OF CHICAGO

Area irrigated in 1881-82 from last year's surplus water, & the Name of the Superintend- ent Works, and the amount		Expenditure in 1881- 82 on the Super- intending Works noted in Column A.			
Name.	Area.	Assess- ment.	New Works.	Re- pairs.	Total.
	Acres.	Rs.	Rs.	Rs.	Rs.
Jagadevappa Ka- lra .....	.....	.....	.....	.....	.....
Pedda Tank...	310	1,295	22	74	9
Ponds	12	69	.....	.....	.....
{ Pedda Tank. ...	742	2,026	598	1,059	1,657
{ Ana do. ...	39	122	.....	.....	.....
.....	1,103	3,512	620	1,133	1,753
{ Tank.....	420	1,987	.....	85	8
{ Old Penakini ...	10	42	.....	.....	.....
Tank.....	286	551	.....	.....	.....
.....	716	2,580	.....	85	8
.....	1,819	6,092	620	1,218	1,888
.....	14,381	58,848	2,326	3,441	5,767
.....					
.....					
.....	14,681	58,848	2,326	3,441	5,767

THE UNIVERSITY OF CHICAGO PRESS

Total Revenue and Expenses		Total Expenditure		Total Revenue		Total	
in 1910-11		in 1910-11		in 1910-11		in 1910-11	
Total Area irrigated and its assessment.	Total Expenditure.	Total Revenue.	Total	Total	Total	Total	Total
Area.	Assessment.	New Works.	Old Works.	Total.	Per Cent.	Total.	Total.
Acres.	Rs.	Rs.	Rs.	Rs.	Per Cent.	Rs.	Per Cent.
22	62	.....	.....	.....	.....	.....	.....
380	1,625	22	73	95	3	7	7
12	69	.....	.....	.....	.....	.....	.....
1060	3,207	398	1,739	1,05	32	42	42
							
1,474	4,963	620	1,125	1,743	23	35	35
443	2,948	.....	85	85	4	4	4
							
390	1,196	.....	.....	.....	.....	.....	.....
833	3,244	.....	85	85	3	3	3
2,307	8,207	620	1,218	1,838	15	22	22
48,179	70,821	8,750	3,441	12,191	5	17	17
.....		34,799		34,799			
.....		6,936	390	7,326			
18,179	70,821	50,480	3,331	54,311	5	77	77



REMARKS

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more

1043

Chief Engineer of the
Steamer Supply

San Francisco

Referring to the
of the Steamer Supply

The steamer was a steamer of
which had been to

With reference to the Chief Engineer
of the Steamer Supply of the Steamer Supply
to forward a copy of a letter from the
to the Steamer Supply of the Steamer Supply
the Steamer Supply of the Steamer Supply
Connection with the Steamer Supply

2. I regret the delay in the submission of the
information, but I only received it this morning
from the Collector, although I had written to him
several times with subject.

Yours

A. S. Webb, Capt
of the Steamer Supply

1043

No 1416.

Recorded. Vide Pro 3^d February 1863 N^o 285.

X^o 87

11
cl

Chapman }
3rd June/63 }

10/10/63
Dear Sir,
I have the pleasure to inform you that the same has been received from the same source.
Yours faithfully,
J. H. Chapman

Proc. 1431/60

1833
No. 1431/60
From the Controller and Cashier
of P. N. Accounts
To the Secretary to the
P. N.

Dated 22nd May
Received 22nd May
1863

Submitting Letter No. 1431/60
dated 15th May 1863 from
the Acting District Engineer
of Shikare, with reference to
paragraph 6 of Letter No.
548, dated 15th May 1863.

W.B.
8th 1416-3rd June.

W. H. Anderson

7177-78