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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2330 Press Mis.

480-38

Dated 24 — 11 — 1938.

Not to be folded or roughly handled

No. 437. Read the following Proceedings of the Board of Revenue, dated 21st October 1862, No. 6,994.

Read the following letters:—

From J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated 29th September 1862, No. 244.

SIR,

1. I have the honor to report on the progress of Public Works in this District in the official year 1861-62, and submit at the same time 2 copies of the District Engineer's Annual Progress Report and of the Statement of Remunerative works.

This Statement is under preparation, and will be submitted subsequently.

2. The total expenditure during the year has been Rupees 2,21,506, and of this sum about two-thirds, or Rupees 1,32,198, has been expended on works of irrigation.

3. The leading feature of the year is the completion of the Pennár Anicut, and the satisfactory progress that has been made in the subsidiary works.

4. Of the sum of Rupees 94,504 shown as the total expenditure on new works under the head of Irrigation, Rupees 67,452 go to swell the expenditure on the Pennár Anicut and its subsidiary works, and with reference to the very large sum that has been already expended on this Anicut, viz., Rupees 2,73,429, it is now satisfactory to state that there is every reason to expect that it will answer fully the purposes for which it has been built; and I need scarcely add that my close attention shall be given to the due realization of the public revenue on this large outlay of the public capital.

Up to the end of 1860-61.—Vide Statement of Remunerative works for that year.

5. Deducting the expenditure on the Anicut and its subsidiary works, there remains an expenditure under the head of new works of Irrigation of Rupees 27,052, of which the distribution has been equally satisfactory.

6. When I joined the District three years ago, I found the three principal tanks of the District, viz., the Kanigiri, the Duvuru, and the Nellore tanks supplied by open river channels. Heavy sums were being expended in the repair of these tanks, while, should a heavy fresh have happened to come down the river when the tanks had been filled by local rains, they were in imminent danger of being breached; and the Duvuru Tank was so breached soon after my arrival. In like manner heavy sums were being expended in the repair of tank banks, whilst these tanks were unprovided with suitable escapes and were annually tapped by the villagers by temporary cuts to enable them to irrigate the fields with the water they were intended to store. The 27,052 Rupees have been expended in meeting these defects.

7. For the Nellore tank the obvious precaution of providing a head sluice was undertaken in the beginning of 1860. In the year under report, 1861-62, I have the pleasure of reporting that head sluices have been built to the river channels that supply the tanks of Duvuru and Kanigiri, making altogether a total expenditure, under the item of head sluices of Rupees 8,915, the total expenditure up to the end of the year 1861-62 on these two works being Rupees 9,525, and leaving out of the calculation the Nellore irrigation, on a revenue that may be roughly estimated under Duvuru and Kanigiri at three-fourths of a lakh an expenditure of Rupees 9,525 must be considered cheap-bought security, being 12 per cent. on one year's income.

8. The balance of the expenditure on new works may be divided into the construction of escapes to carry off surplus water and masonry sluices to distribute water already stored without having recourse to the ruinous practice of making cuts in banks repaired at a heavy outlay. Under the former head the expenditure in the year under report has been 9,623 Rupees, the total expenditure on the said works up to the end of 1861-62, being Rupees 20,318; and on masonry sluices a sum of Rupees 925 is the expenditure in the year under report.

9. Out of a total number of 63 escapes and 35 sluices sanctioned to be constructed, 44 escapes and 10 sluices were either finished, or had been taken in hand in the year under report leaving 19 escapes and 25 sluices still to be undertaken. I regret the work should have fallen so far short of what was sanctioned, but I believe every effort has been made by the Department Public Works to carry out these works, and that the result is solely due to the difficulty of obtaining materials and skilled labor on the detached works for which sanction was accorded. Each year will however render this part of an Engineer's duties easier; and when it is considered that the 63 escapes directly affect the safety of a lakh of revenue it is scarce necessary to dwell on the importance of the work being quickly carried out.

10. I have given the revenue liable to be destroyed for the want of head sluices and escapes. But this is very far short of representing the value of these precautionary works to the people.

11. A further sum of Rupees 3,553 was expended on the revetment of an important tank, in the Atmakuru Táluq, under the Eastern Ghâts, the Kalavaya Tank, whilst an expenditure of Rupees 3,652, for the groynes for the protection of the south bank of the Pennár near Nellore completes the new works to which it is necessary I should refer, and are themselves not the least valuable of the public works executed in the District during the year under report. The groynes in the Pennár have met a serious danger, and have been eminently successful.

12. On communications our expenditure under the head of New Works has been Rupees 33,795; and I wish I could report equally favorably on this most important item of Public Works. But, in my opinion, we have been unfortunate from the first in this District in regard to roads. With a vast extent of Sea Coast we have made no use of it. Divided every few miles by the drainages usually found in a Coast District, we have attempted to carry our roads across these drainages where the attempt has been made by bridges utterly inadequate to the drainage to be provided for; and thirdly, the roads have been laid down more with reference to the ideas of the Engineer than the convenience of the people. It will be long before we cease to feel the effects of such an untoward commencement.

13. The first expenditure under this head in this year's Progress Report is on the Guduru and Dugarazapatam road. Rupees 16,509 have been expended on this road during the year under report, and a portion of the road is now open.

14. The next item of expenditure is 1,393 Rupees expended in the construction of a bridge on Trunk Road No. 6 north of the Pennár, a portion of which fell down as soon as it was built. It was said to have been destroyed by lightning; whilst this part of Trunk Road No. 6 is a striking illustration of what I have observed with reference to the manner in which our roads have been laid out.

15. Trunk Road No. 6 north of the Pennár leaving the large and populous villages in the vicinity of the Coast, has been carried in a straight line through a jungly country a very few miles inland. It has not a large town on it, save one; and, at the present moment, we are expending our maintenance allowance on the repair of a road that is of no use to local traffic, and cannot be used for general traffic, on account of the drainages by which it is intersected; whilst a large portion* of our Local Funds that should be used for local traffic is expended to keep in decent order the old line of Trunk Road from which the maintenance allowance has been transferred, whilst the traffic remains.

* Rupees 0,500.—Vide Local Fund Budget for 1862-63, No. 16, Part I.

16. The next item of expenditure is Rupees 5,208 on the Dorenall and Nellore road, which instead of being taken round the foot of the Sangam hill through the town, is taken two miles to the north, over the top of the hill apparently to secure a straight line; and a portion of this expenditure goes to cutting a Ghât that had the convenience of the people had been consulted, would never have been cut at all.

17. A sum of Rupees 9,386 has been expended on the Cotton Road from Cumbum to Ongole and Ongole to Kottapatnam. The export of Cotton from Kottapatnam has been trebled this year, and I beg to bring prominently to the notice of the Board the extreme necessity for doing all that is possible to facilitate communications with this port, and the utterly unsatisfactory state of this most important work at present. The great difficulty on the line is crossing the coast swamp near Kottapatnam; and last year about this time, when I was up in that portion of the District, I did all I could to accelerate progress by procuring labor. A change in the Department involved delay, but the work went on favorably on the whole till the end of the year; and since then, up to this date, as regards the swamp, nothing has been done.

18. The Trunk Road south of Nellore is getting into better order; and an expenditure of Rupees 1,299 for the construction of a stone causeway across one of the drainages in the 93rd mile of this road completes a total expenditure of Rupees 33,795 on new works of communication.

19. Stone causeways are apparently by far the most practical manner of dealing with the wide drainage rivers of this District. Such causeways flush with the bed of the stream, cost little, are little liable to injury; and, as the rivers have come down quickly, and run off quickly, their being occasionally under water is not much inconvenience, whilst bridges cost more and are precarious.

20. I will now proceed to analize briefly the outlay on repairs, during the year under report, under the three heads of Irrigation, Communications, and Buildings, the total expenditure being 90,570 Rupees.

21. In addition to the expenditure of Rupees 94,504 shown in paragraph 4 to have been incurred on new works connected with Irrigation, Rupees 37,694 have been expended on the repair of Irrigation works. By far the larger portion of this amount, viz., Rupees 29,612, has been laid out in the repair of tanks. Last year (1860-61) our total expenditure on works of Irrigation was much heavier having been 1,43,087 Rupees; and by way of showing how this expenditure has been distributed through the different Táluqs I annex a statement showing for both years the area irrigated in each Táluq with its adjusted assessment, and the repairs executed and the proportion borne by these repairs to the revenue. To make the statement more complete, I give similarly the cost of new works; and the Board will see from this statement that our expenditure on the repair works of Irrigation in the year under report was only 7 per cent. on our revenue against an expenditure in the year 1860-61 of 28 per cent, a change highly satisfactory in itself, but I fear rather attributable to the unsatisfactory nature of the past season, than the repairs themselves. The repairs however have been well executed. I have travelled over much of the District in the last 12 months. I have made a point of examining closely the tank banks; and I have much pleasure in reporting, that the tank banks are generally in good order, in many instances in beautiful order; and I trust where the requisite escapes, &c., have been duly provided, we shall be able to benefit by a heavy monsoon instead of sending up as hitherto a list of breached tanks.

Names of Tâluqs.	Area irrigated and the assessment as adjusted for 1860-61 and 1861-62.				Expenditure under the Public Works Department during 1860-61 and 1861-62, on works of Irrigation.				Total expenditure during 1860-61 and 1861-62, under the Public Works Department on works of Irrigation.		Comparison of expenditure with assessment as shown in column 2.				Remarks.
	Area.		Assessment.		New Works.		Repairs.				On repairs.		Total.		
	1860-61.	1861-62.	1860-61	1861-62.	1860-61	1861-62.	1860-61.	1861-62.	1860-61.	1861-62.	1860-61.	1861-62	1860-61.	1861-62	
Names.	Acres.	Acres.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Per cent.	Per cent.	Per cent.	Per cent.	
Guduru.....	18,875	19,750	1,07,309	1,13,287	6,735	8,316	34,164	3,887	40,899	12,233	32	3	38	11	Not struck as the assessment on the Irrigation of the rented villages in Saidapuru is not included.
Rapuru.....	1,409	1,478	8,197	8,635	39	794	6,116	4,095	6,148	4,889	...	...	...	...	
Nellore.....	47,231	48,489	2,33,020	2,38,071	15,000	35,379	63,673	20,468	78,673	55,847	27	9	34	23	
Atmakuru.....	7,131	9,762	38,810	52,090	1,265	4,316	11,535	4,911	12,600	9,227	29	9	32	18	
Kavali.....	10,925	11,319	57,477	60,561	240	969	13,275	2,853	13,515	3,822	23	5	23	6	
Udayagiri.....	1,397	915	7,604	5,956	...	...	1,216	78	1,216	78	16	1 13/3	16	1 13/3	
Kandukuru...	7,239	9,803	42,990	58,530	1,151	1,168	10,990	920	12,141	2,088	25	2	28	4	
Ongole.....	1,503	2,625	9,703	18,711	845	...	2,318	172	3,163	172	24	1	33	1	
Kanigiri.....	281	831	2,373	6,869	...	...	...	...	...	...	...	...	...	...	
Total....	95,991	1,04,972	5,07,483	5,62,710	25,268	50,972	1,43,087	37,384	1,68,355	88,356	28	7	33	16	These averages are incorrect in so far as the villages, referred to above, are not included.
Expenditure on the Anicut distributed over to Tâluqs.	...	...	...	...				310	45,380	35,104	...	...	...	...	N. B.—The assessment for 1861-62 is incorrect insomuch as it does not include certain Remissions, Quittrent and irrigation in garden lands. There are also slight errors in the Tâlurwar expenditure in 1860-61, owing to the D. P. W. having entered some of the villages incorrectly.
Do. do. Survapalli new cut from Jaffer Sahib.	...	...	...	...				...	37,924	8,738	...	...	...	...	
Total...	95,991	1,04,972	5,07,483	5,62,710	83,304	43,532	...	310	83,304	43,842	28	7	50	23	
Grand Total...	95,991	1,04,972	5,07,483	5,62,710	1,08,572	94,504	1,43,087	37,694	2,51,659	1,32,198					

22. Rupees 37,694 having been devoted to the repair of Irrigation works, Rupees 48,108 represent the maintenance allowance on metalled roads, and make up a total of 85,802 Rupees out of an aggregate sum of Rupees 90,570 expended on repairs.

23. Of the expenditure of Rupees 48,108, or nearly one-fourth the total expenditure in the District during the year under report, I have no detailed information. I have already observed that a portion is given for the maintenance of Trunk Road No. 6, north of the Pennár, which is not used for traffic, and it therefore seems to me scarcely entitled to any allowance from this head; and to this item I must add another item, viz., planting and watering avenue trees to which I am equally opposed. But, in other respects, the maintenance allowances, so far as I am able to form an opinion, have been well laid out, and such roads as we have, have been kept in good order. When we have not enough money to make roads, it seems to me rather an Irish idea to make avenues.

ENCLOSURE No. 1.

ABSTRACT.—Report of Progress during the year 1861-62.

From J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated 15th October 1862, No. 261.

Adverting to the marginal note to paragraph 1 of my letter, No. 244 of the 29th ultimo, to the effect that the Statement of Remunerative works for 1861-62 was under preparation, and would be forwarded subsequently, I have now the honor to transmit the same herewith.

ENCLOSURE No. 1.

ABSTRACT.—Remunerative Statement of Works for 1861-62.

1. Ordered to be submitted for the information of Government, and that a copy be also transmitted to the Chief Engineer, Department Public Works.

2. The Collector's report is very full, and gives a very satisfactory account of the progress generally of Public Works in Nellore in 1861-62. The following abstract of expenditure is gathered from it :—

Description of works.	New work.	Repairs.	Total.
	Rs.	Rs.	Rs.
Irrigation projects.....	94,504	37,694	1,32,198
Communications.....	33,795	48,108	81,903
Buildings.....	2,637	4,768	7,405
Total.....	1,30,936	90,570	2,21,506

3. As no similar report appears to have been received from Nellore for the year 1860-61 the Board are unable to contrast the expenditure of the two years.

4. The leading feature of the operations of the year under review is, as the Collector points out, the completion of the Pennár Anicut upon which so much money has been spent; and it is satisfactory to notice that the Collector believes that the project will fully answer its purpose.

5. The Board would draw attention to the Collector's remarks in respect to the roads of the District in paragraphs 12, 14, 15, 16 and 18, and more particularly to the unsatisfactory state of the Cotton Road from Cumbum *viâ* Ongole to the port of Kottapatnam, the great difficulty on the line being the Coast swamp near Kottapatnam. The Board are of opinion that Local Funds might very properly be expended in the improvement of this important line.

6. In paragraph 23, the Collector brings to notice that planting and watering avenue trees are carried on from the maintenance allowances; and the Board consider that these funds should not be thus appropriated.

Remunerative Statement of works for 1861/62

Name of Works.	Capital — Outlay in construction Dead Stock valuation — Description	Amount up to the end of last year.	Amount of the Current year.	Total.	Revenue — Charges — Description	Amount up to the end of last year.	Amount for the Current year.	Total.	Income — Description	Amount up to the end of last year.	Amount for the Current year.	Total.	Remarks
Penna Anicut.	Outlay on Original works & reconstructions	273429	34794	308223	Interest on the Capital 273429 @ 4 p^r Cent.	38350	10937	49287	Gross proceeds from all Sources	53841	11345	65186	The adjusted revenue on the 21 Villages hitherto irrigated was Rupees 62072, the average for 1851-52 to 1854-55 was Rupees 50727 which leaves the surplus shown as amount of income for ~~the Current year~~ 1861-62 Rupees 11345. But this sum is not strictly correct; as it does not include quit Rents. And no further revision will be requisite for the Current year with reference to increase in the number of Villages irrigated. Whilst these Statements from the first are erroneous & deceptive, in as much as no consideration has been given to the subsidiary works for storage, on which there has been a heavy expenditure, & without which the results would have been very different.
	Do Do determination by wear and tear &c.	53500	— " —	53500	Maintenance & Repairs.	11644	*1366	13010					
						49994	12303	62297	— —	53841	11345	65186	
	Balance of Capital.	219929	34794	254723	Balance of Charges				Balance of Income.	3847	Additional Expenses 958	2889	

— In Maintenance — 1056
- - - Making new Sluices & Shutters — 310
1366

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

Nellore.
27th September 1861

Compd: C.V.Reid.

/Signed/ T. Greenaway. Mayr.
Actg Distrct Engineer
Nellore.

(True Copy)

F W B Dykes
Collector.

Enclosure.

On a letter from the
Collector of Bellary to the
Secretary to the Board of
Revenue, Madras,
dated 15th October 1862
No. 261.

P.W. 3299/62

In Cons.

Administrative Statement
of Works for 1861/62.

In No 6660 of 1862

Report of Progress during the year 18[illegible]

No. of Statement of 1864/65	Description of Work.	Estimated total Cost.	Expenditure during the year.	
	Budget List No. II			
	New Works.			
	Irrigation.			
115.	Anicut across the Cumair	112,500 3,180 15,339 131,019	34,794	12
	Canal of Irrigation from Vellore to Krishnapatam	59,600	6,715	6
	Improving Labbin branch of the Jaffer sait channel	27,100	6,448	
	Do. Edoor Sluice Do. Do.	30,000 800	10,756	
	Head Sluice to Gandavaram Channel	4,270	4,362	
	Do. to Duvur Tank supplying Channel	3,183	2,968	
	Constructing Stone Groynes for the protection	3,600	3,652	

Budget List No. II

New Works-

Irrigation-

115.	Anicut across the Pennair	112,500 3,180 15,339	131,019	34,794	128,448	Anicut completed to full breadth & all new works & repairs finished, with the exception of 357 Square yards of tail of apron to be levelled North of North Sluice, where the Apron was raised for the purpose of bringing the Tram road down to Anikut-	† Sanctioned 14th March 1860. * — Do. — 17th December 1861-
	Canal of Irrigation from Nellore to Periapatam	59,600		6,716	6,716	The first 2 miles excavated to 1 yard in depth, compensation paid for almost all the land. 5,905 Cubic yards Earth work executed, & 120,000 bricks prepared-	Sanctioned 28th August 1861-
	Improving Labir branch of the Jaffer Saib channel	27,100		6,448	6,448	Dividing dam under construction, & another almost completed. Earth work 33,150 Cubic yards 2½ Miles from Allipuram to Narrain-reddipett dam ¾ finished. New cut from Narrain-reddipett dam to Indukurpett old channel nearly finished- Materials prepared for other Dams-	Ditto 15th July 1861-
	—— Do. —— Eloor Flodoor —— Do. —— Do.	30,000 +600		10,756	10,756	Dividing dam nearly completed- materials for others prepared, 54,554 Cubic yards Earth work executed, width of channel regulating for 2¾ Miles-	—— Do. —— Do. —— × —— Do. —— 20th March 1862-
	—Head Sluice to Gandaveram Channel-	4,270		4,362	4,712	Completed with exception of shutters which are under preparation at the Engineer store yard-	—— Do. —— 2nd March 1861-
	— Do. —— to Duvur Tank supplying Channel	3,183		2,968	2,968	—— Do. —— Do. —— Do. ——	Do. —— 29th May 1861-
	—Constructing Stone Groynes for the protection of the Pennair River near Civil Dispensary	3,600		3,652	3,652	Completed 27th January 1862 ——	Do. —— 6th June 1861-

	Embankment along the right bank of the Pennair from Anicut at Pallon to the Village of Mudivarttipalem	13,400				
	Works entered in the Budget of 1860/61					
4.	Connecting the Sarvapalli with Jafferabad Channel	64,300	8738	53,637	Rabo Pett Road bridge completed & one Syphon Sluice - 4,595 Running yards of Bund sectioned, 26,378 Cubic yards Earth work, 303 Cubic yards laterite, 859 Cubic yards Gravel - 2 Aqueducts repaired &c.	Sanctioned 5th October 1861 15
	Works entered in the Budget of 1859/60					
221	Head Sluice &c. to Pallaru Channel	2,250		260.	No expenditure	Stopped under the restrictive orders
222	Channel from Gollakandukur Lodoom to Pallur &c.	9,868		5,752	Ditto	Do.
223	Channel from Venkatagiri River to the Chennoor Tank	13,910		4,647	Ditto	Ditto
224	Anicut across the Kamidi Calvick	5,150		105	Ditto	Ditto
225	Pennair Anicut Posts & Shutters	5,176		1,950	Ditto	Ditto
228	Improving the Pallur Tank	17,100			Ditto	Ditto
	Works entered in the Budget of 1857/58					
117	Vamanaburti ruined Tank	310		199	No expenditure	Do.
	Works entered in the Budget of 1856/57					
76	Anikut across the Uppatamudram Tank and new cut	655			Ditto	Do.
82	Constructing an aqueduct & Bridge across an old course of the Pennair	6,130			Ditto	Not required, Vide letter No. 1347 28th Nov. 1856 para 9

Improving cut from Penair to Gollakandukur &c.	3,200	-	1,760	No expenditure	Sanctioned by the Collector of Nellore 14th June 1856.
Do do					
Opening a new channel from the Nellore river &c.	2820	-	-	Ditto	Sanctioned 28th October 1857 - Shipped under the restrictive orders.
channel to Rondlapudi Vura Tank					
Total irrigation new Works - -	4,03,547	78,434	2,32,010		
Minor new Works					
Nellore Tank revetment & waste Calingula	11,500	650	8,216	C. Yds 33 C. Ft 22½ of new stone revetment - C. Yds 344 - C. Ft 19 of old stone revetment - C. Yds 4 C. Ft 8 Metalling - 289 - 210½ Running Yards removing old stone revetment - 8,795 Cubic yards earthwork &c. executed during the year	Sanctioned 28th July 1860.
New Stone revetment to Kalwoya Tank	4,260	3,553	4,260	Completed on the 11th December 1861 as far as the Estimate provided	Do. 27th June 1860.
Edimapalli and Tank Calingula	1,600	35	2,274	Completed	In anticipation of sanction
New Stone revetment to Rapur Tank	1,510	33	33	Collecting stones	Sanctioned 17th April 1860.
Allur Tank revetment	14,700	351	9,613	Work recommenced in April 1862 - 131 15/16 Cubic yards revetment - 132 Cubic yards earth work - 94 15/16 Cubic yards gravel packing & 672 Square yards whitewashing executed during the year	Do. 8th February 1860.
Calingula to Kota Ramaka Tank	1,500	649	674	Materials collected	Do. 15th March 1861.
Raising Vaguir channel Head Sluice	1,492	1,585	1,585	Brick work, plastering completed & shutters & timber work ready &c.	Do. 19th Do.
Canubarti Tank Calingula	1,150	732	1,142	Nearly finished, water still on the land, & no roadway for stone	Do. 4th June 1861.
Venkanapollum Tank Calingula	711	700	700	Completed 16th January 1862	Do. Do.
Indukurpett large Tank Do.	814	161	161	Materials being collected, work will be &c. commenced at once	Do. Do.
Nopur new Tank Calingula	780	245	245	240½ Cubic yards Rough stone collected. Construction suspended pending sanction of Final Estimate	Do. 23rd May 1860.
Amalur large Tank Do.	610	218	218	Materials being collected to complete the work, which is finished upto Apron level	Do. 15th March 1861.

Pedúr double Tank Flush Calingula	610	217	217	Materials being prepared	Sanctioned 15th March 1861
Gungapatam large Tank Flush Calingula	610	598	598	Completed 27th January 1862	Do 15th March 1862
Anamadamudram Tank Do	580	517	517	Completed	Do 23rd August 1862
Madariáz Gudúr Do Do	500	500	500	Completed 2nd September 1861	Do 20th April 1862
Parlapalli Tank Calingula	610	-	-	No Expenditure	Do 4th June 1862
Brammadevam Do Do	700	-	-	Do	Do 30th April 1862
Amalúr Ana Tank Sluice	86	86	86	Completed	Do 29th July 1859
Flush escape to Chinachenkúru large Tank	159	-	-	No Expenditure	Do 19th February 1861
Do Do Do Small Do	137	-	-	Do	Do Do
Dontali Tank Calingula	388	260	260	84 Cubic yards Rough stone in Chunam 120 Cubic yards Earth work reported completed	Do 27th March 1861
Graddagunta Do Do	420	420	420	Completed 15th November 1861	Do 11th October 1862
Indukúrpett small Tank Flush escape	159	161	161	Do 17th September 1861	Do 30th January 1862
Iskapalli Tank Calingula	190	-	-	No expenditure	Do 27th May 1862
Kódavalúr Do Do	199	158	240	Completed 8th October 1861	Do 22nd September 1862
Krishnapalam Do Do	365	-	-	No expenditure	Do 21st May 1862
Increasing height of Mulumúdi Lodoom Calingula	299	299	299	Completed 6th November 1861	Do 13th July 1861
			-	No expenditure	Do 20th April 1861
Muttukúr large Tank Flush escape	220	-	-	Do	Do Do
Do Small Do Do	269	-	-	Do	Do 13th July 1861
Nallatúru large Tank Sluice	193	137	137	Completed 20th March 1862	Do 19th February 1861
Nagalavaram Tank Flush escape	137				

Pallaiyur Small Tank Sluice	199	73	206	Completed 20th March 1862	Sanctioned 26th March 1861
Perumir Tank Flush escape	194	22	58	Materials being collected	Do. 18th February 1861
Pillapidi Do. Do.	159	-	-	No expenditure	Do. Do.
Pedathapolur Do. Do.	177	44	196	Completed 24th July 1861	Do. 26th March 1861
Somarazpalli Do. Do.	159	37	67	Materials being collected, will be commenced	Do. 18th February 1861
Tirupalli Pudur Tank 2 Sluices	287	88	302	Completed 31st January 1861	Do. 29th July 1859
Tirupalli Tank Flush escape	159	38	38	Materials being collected, will be commenced	Do. 19th February 1861
Perumir large Tank Calingula	350	276	276	Completed, except raising old & new bunds 2 feet	Do. 11th October 1860
Do. East Do. Do.	199	199	199	Completed	Do. 12th July 1860
Vellanti Vavi Tank Do.	96	96	96	Do.	Do. 27th February 1861
Perumir Paidu Do. Do.	485	95	95	154 Cubic yards Rough stone collected	Do. 21st June 1860
Vellanti Brammana Do. Do.	142	45	45	45 Cubic yards Do.	Do. 28th March 1861
Pyajaripollem small Do. Do.	104	3	33	22 Do. Do. 1 Candy & 7 Parahs of Chunam & 1 Candy of Sand collected	Do. 24th January 1861
Nangalavellatur Tank Calingulah	195	179	180	Completed	Do. 27th February 1861
Chittatur Tank Calingulah	182	85	85	Materials collected	Do. 24th January 1861
Kanuparti Tank Do.	68	67	67	Completed	Do. Do.
Pattapad small Do. Do.	78	66	78	Do.	Do. 27th February 1861
Tagacherla Do. Do.	36	35	35	Do.	Do. November 1860
Pellanti Bandaru Tank Calingula	103	116	116	Do.	Do. 11th January 1861
Muttambuk West Tank Sluice	110	30	110	Do.	Do. 25th May 1859

Rapuliriu Tank - Wooden Sluice	67	67	67	Completed	Sanctioned 25th May 1857
Ranubála Tank flush escape	152	152	152	Do.	Do. 21st May 1857
Annavaram Mitta Tank flush escape	41	21	41	Do.	Do. 27th Do.
Chinakiráka old Tank Do. Do.	38	16	37	Do.	Do. Do.
Bibágunla Vankana Do. Do. Do.	186	186	186	Do.	Do. Do.
Do. Do. Do. large Do. Do.	187	193	195	Do.	Do. Do.
Bog de Tank Calingula	371	188	188	In progress	Do. 23rd August 1861
Altering the Calingula & Brémmanakiráka Anamakonda Tank	400	200	200	Work postponed	Do. 23rd April 1861
Reconstructing sluice to Yalurpaud Vevilla Tank	147	147	147	Completed 27th July 1861	Do. 9th May 1861
Do. Calingula to Veemaveram Do.	168	168	168	Do.	Do. Do.
Constructing sluice to Veerapalli large Tank	191	191	191	Do. 22nd August 1861	Do. 13th July 1861
Do. Flush escape to Veerapalli Do.	194	194	194	Do. 14th October 1861	Do. Do.
Do. Sluice to Tungala large Tank	254	229	254	Do. 28th April 1862	Do. 10th Sept. 1859
Do. Calingula to Rondapi Tank	338	239	264	Materials collected, work postponed	Do. Do.
Do. Pol. drain to Upuliur Do.	14	14	14	Completed	Do. 7th May 1861
Marlapúdi Tank revetment	100	-	-	No expenditure	Do. 25th May 1857
Jorapalli Do. Do.	150	-	-	Do.	Do.
Gilkapaud Do. Do.	62	-	-	Do.	Do.
Sarvapalli Do. Sluice	135	-	-	Do.	Do. 10th Febry 1859
Kóllicuduru Do. Do.	170	-	40	Do.	Do. 29th July 1857
Do. River channel & sluice	154	-	40	Do.	Do.
Pattuvapalli Tank & sluice	193	-	40	Do.	Do.

Madiravuz Gúdúr Tank Sluice	136	-	-	Do expenditure	Sanctioned 29th July 1857
Sarvapalli Tankapalem Do	90	-	-	Do	Do
Araumudúr Tank Sluice	54	-	11	Do	Do 25th May 1857
Vellatúr Tank Calingula	200	-	52	Do	Do 27th June 57
Todúru Tank Sluice	154	-	-	Do	Do 25th May 57
Pinthapalem Do	140	-	-	Do	Do
Chittamúr Do	140	-	-	Do	Do
Vácúdu Do	158	-	-	Do	Do
Reddipollem Vellamáli Tank Sluice	136	-	-	Do	Do
Momidi Ganga Tank Sluice	140	-	-	Do	Do
Do Pina Do Do	140	-	-	Do	Do
Momidi Tank Sluice	110	-	-	Do	Do
Vellasúru Do	150	-	-	Do	Do
Reddipollem Cuttupálem Tank Sluice	136	-	-	Do	Do
Ditto Rayagunta palliem Do	150	-	-	Do	Do
Ditto large Do	150	-	-	Do	Do
Eswaravaka Tank Sluice	136	-	-	Do	Do
Do Do	170	-	-	Do	Do 9th Augt 186-
Chittamúr Do	174	-	-	Do	Do Do
Vénúrúru Jamu Do	100	-	-	Do	Do 25th May 57
Gilkapaud Tank Calingula	93	-	-	Do	Do 18th January 1861

	Ponagalúr Tank Calingula	164	-		No expenditure	Sanctioned 18th January 186-
	Gundarole — Do. — Do.	168	-		Do.	Do. 24th Do.
	Gáspúr — Do. — Do.	125	-		Do.	Do. Do.
	Vidlapúdi large Tank flush escape	199	-		Do.	Do. 18th Feby 186-
	Dásúr large Tank Calingula	190	-		Do.	Do. 27th Feby 186-
	Indúr Tank Calingula	199	-		Do.	Do. 19th January 186-
	Gúdúr Tank supplying channel Sluices	160	-		Do.	Do. 21st Feby 186-
	Restoration of Ponnaságaram tank & constructing a new Calingula	1670	-		Do.	Do. 14th May 186-
	Calingula to Murripalli Madugu	380	-		Do.	Do. 8th April 186-
	Total Minor Road Works -	60709	1670	37,317		
	Communications					
of 1861/62 146	Road from Dugarajapatam to Gúdúr	32468 / 10182	16,509	16,509	Road completed as far as 16th Mile, except the superstructure of Páli Calvat & Punta Calva bridges & some small Masonry Works. Gravel carted to 19-20-21 Miles. Road to be completed, & a small bridge built in the Dugarajapatam Tank	
199	Sixteen Bridges & Sixty five tunnels on T.R. No. 6	84,580	1393	47,620	In complete - Bridge of 1 Arch of 1 yard span is completed with exception of plastering - Part of the Arch was destroyed by lightening - 1 Culvert of 24 yards long finished - 2 Road dams completed	
	Works entered in the Budget of 1859/60					
of 1859/60 342	Trunk Road No. 6 from Kovoor to Gudiyanda	117,113	-	77,752	No expenditure	

343	Trunk Roads No. 7	45,313	-	44,013	No. expenditure	
364	Water communication between Rishnapatam and Gudiur	14,000	-	-	Ditto	
458	Bridge over Almakur Tank supplying Channel	3,959	-	-	Do.	
459	Bridge across the Pandlairu river	13,000	-	1323	Do.	
344	Communication between Rishnapatam & Gudiur	17,790	-	1,063	Do.	
461	Bridge over the Boggairu	38,558	-	-	Do.	
462	Masonry Works on Trunk Roads No. 7	47,010	-	835	Do.	
345	Tramway of Granite along the Crown of the Anicut	5,000	-	1,203	Do.	
346	Roads from Nellore to Podairu	8,000	-	4,367	Do.	
347	Do. Do. to Gungapalam	4,000	-	3,781	Do.	
542	Ferry Boats for the rivers on Trunk Road No. 6	5,550	-	500	Do.	
543	Paddle Ferry Boat for the Chittapalairu	160	-	-	Do.	
	Completing Trunk Road across Buduvur Valley	21,155	-	-	Do.	Sanctioned 23rd July/57
	Constructing a tunnel near Podairu bridge	1,225	-	-	Do.	Do. 8th April/57.
	Works sanctioned from 1½ Lac fund					
	Nellore and Dorenal Road	*101,000	†5,208	5,208	2 Miles metalled - A Road dam of 150 yards nearly completed, one small Culvert complete, Shaut cutting in Progress. Materials prepared for other Masonry works, including about 3 Lacs of bricks	†This amount is expended out of the sum Rs 14,000 allotted from the 1½ Lac fund, Vide Government order No. 99, 31st January/58 *Sanctioned 8th Feby 1859.
	Constructing a Road Tunnel of three ventilators 7th Mile P. R. No. 6	621	-	-	No. expenditure	Do. 17th March 1862.

	Cotton Roads from Cumbum to Angole & Angole to Kottapalam	14,000	9386	9386	19856 Cubic yards of Earthwork - 218¾ Cubic yards Stone jilly spread - 801 Cubic yards of jilly collected & carted 507 Cubic yards of Gravel collected. 459½ Cubic yards rough Stone revetment built. 269¼ Cubic yards rough stone collected & carted on the Eastern Section, also one tunnel of 2 vents of 3 yards & 1 Culvert finished - Materials for other Masonry works collected, on the Western Section of Roads	This sum was allotted from the 1½ Lac fund, Vide Government order Re. 99, 31st January 1862
	Roads down on Trunk Roads No. 6 1/93rd Mile	1860	1299	2589	Completed	Sanctioned 26th Sept. 1860
	Total new works Communication	5,86,503	33795	2,16,149		
	Buildings.					
1861/62-57	Laterite Stone Wall round the Collector's Kalchiri	1920			No expenditure	
of 1860/61	**Works entered in the Budget of 1860/61**					
89	Additional Room to the Eskapully Salt Kalchiri	360	140	140	Building finished, but the plastering & putting on the Shutters for the windows & Doors	× Sanctioned 29th August 1861
	Improving the additional room to Do. Do.	125	22	22		
64	Prisoners room at Venkatagiri	250	14	112	Materials prepared - Work stopped at the request of the Collector, with reference to the reorganization of the Police	
	Exhibition Building at Nellore	2,000	104	1509	Work stopped	Do. 19th Sept. 59
	Moveable Dock in the Zillah Court Nellore	20	36	36	Completed 22nd December 1861	Do. 6th Oct. 1859
	Constructing lightning conductor to Pamban Light House	290	12	249	Delayed on account of difficulty in getting Labour capable of executing the	Do. 24th Dec. 1860

		Additional Sheds to the Engineer Store yard at Vellore	2,000	92	2,092	Completed as far as intended	Sanctioned 8th May 1860.
		Alteration to the new place of Arms at Ongole	130	130	130	Completed 21st October 1861	Do 15th Nov. 1861.
		Constructing a Godown to the Jail Hospital in the Jail at Vellore	345	329	329	Completed 22nd January 1862	Do 11th May 1861.
		Converting the present Record Room of the Sheristadar's Kutchiri at Vellore	270	267	267	Completed	Do 10th Dec. 1861.
of 1858/59.		Works entered in the Budget of 1858/59					
128		15 Store Sheds	1,500	91	1,285	13 Store Sheds completed	
of 1857/58.		Works entered in the Budget of 1857/58					
133		Constructing a new Taluq Kutchiri at Sangam	3,000	-		Re-Expenditure	Not required Custody abandoned
of 1856/57		Works entered in the Budget of 1856/57					
92		Removing old Jail & building on its site a new one	6,400	-	197	Do	The execution of the sanctioned plan was deferred by the Inspector of Prisons in April 1855 Vide correspondence forwarded with letter No. 1628 dated 18th August 1857
		Constructing Oregaum Bungalow	1,400	1,400	1,400	Completed originally erected from Local funds, but a refund to the extent shown, as expended, made by transfer to General funds	Sanctioned 25th April 1862.
		Total New Works Building	20,010	2,637	1768		
		Total New Works	1070769	138936	4,93244		

Repairs			
Military	-	-	
Judicial			
Police	96	97	97
Court Houses	-	-	-
Jails	546	269	306
Revenue			
Land & Miscellaneous	373	349	349
Salt	200	138	138
Ecclesiastical			
Churches & other Buildings	115	115	115
General			
Public Works	-	-	-
Post Office	54	55	55
Marine			
Light House	154	43	43
Agricultural			
Irrigation Canals	7,192	5,833	5,833
Tanks	32,679	29,612	29,612
Drainage	3,076	2,249	2,249
Communication			
Metalled Roads	75,422	48,108	48,108
Unmetalled Roads	1,300	649	649
Ferries	488	9	9
River improvements	10,265	2,299	9,755
Staging Bungalows and Serais	128	124	124

Navigation Canal	1,200	621	621
Total Repairs	133,288	90,570	98,063
Grand Total of new works & repairs	1,204,057	2,21,506	591,307

Kellore
7th June 1862.

/Signed/ John Mullins Captain
District Engineer, Kellore.

(True Copy)

/Signed/ T. Greenaway, Major.
Acting District Engr. Kellore.

/True Copy/

E. V. B. Dy Rev
Collector.

Compd
E.V.B.
Edr.

No. 6,994.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 21st October 1862.

Read the following letters:—

From J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated 29th September 1862, No. 244.

1. I have the honor to report on the progress of public works in this District in the Official year 1861-62, and submit at the same time copies of the District Engineer's Annual Progress Report and of the Statement of Remunerative works.

This Statement is under preparation, and will be submitted subsequently.

2. The total expenditure during the year has been Rupees 2,21,506, and of this sum about two-thirds, or Rupees 1,32,198, has been expended on works of irrigation.

3. The leading feature of the year is the completion of the Pennair anicut, and the satisfactory progress that has been made in the subsidiary works.

4. Of the sum of Rupees 94,504 shown as the total expenditure on new works under the head of Irrigation, Rupees 67,452 go to swell the expenditure on the Pennair anicut and its subsidiary works, and with reference to the very large sum that has been already expended on this anicut, viz., Rupees 2,73,429, it is now satisfactory to state that there is every reason to expect that it will answer fully the purposes for which it has been built; and I need scarcely add that my close attention shall be given to the due realization of the public revenue on this large outlay of the public capital.

Up to the end of 1860-61.—Vide Statement of Remunerative works for that year.

5. Deducting the expenditure on the anicut and its subsidiary works, there remains an expenditure under the head of new works of Irrigation of Rupees 27,052, of which the distribution has been equally satisfactory.

6. When I joined the District three years ago, I found the three principal tanks of the District, viz., the Kanigiri, the Duvuru, and the Nellore tanks supplied by open river channels. Heavy sums were being expended in the repair of these tanks, while, should a heavy fresh have happened to come down the river when the tanks had been filled by local rains, they were in imminent danger of being breached; and the Duvuru tank was so breached soon after my arrival. In like manner heavy sums were being expended in the repair of tank banks, whilst these tanks were unprovided with suitable escapes and were annually tapped by the villagers by temporary cuts to enable them to irrigate the fields with the water they were intended to store. The 27,052 Rupees have been expended in meeting these defects.

7. For the Nellore tank the obvious precaution of providing a head sluice was undertaken in the beginning of 1860. In the year under report, 1861-62, I have the pleasure of reporting that head sluices have been built to the river channels that supply the tanks of Duvuru and Kanigiri, making altogether a total expenditure, under the item of head sluices of Rupees 8,915, the total expenditure up to the end of the year 1861-62 on these two works being Rupees 9,525, and leaving out of the calculation the Nellore irrigation, on a revenue that may be roughly estimated under Duvuru and Kanigiri at three-fourths of a lakh an expenditure of Rupees 9,525 must be considered cheap bought security, being 12 per cent on one year's income.

8. The balance of the expenditure on new works may be divided into the construction of escapes to carry off surplus water and masonry sluices to distribute water already stored without having recourse to the ruinous practice of making cuts in banks repaired at a heavy outlay. Under the former head the expenditure in the year under report has been 9,623 Rupees, the total expenditure on the said works up to the end of 1861-62, being Rupees 20,318; and on masonry sluices a sum of Rupees 925 is the expenditure in the year under report.

9. Out of a total number of 63 escapes and 35 sluices sanctioned to be constructed, 44 escapes and 10 sluices were either finished, or had been taken in hand in the year under report, leaving 19 escapes and 25 sluices still to be undertaken. I regret the work should have fallen so far short of what was sanctioned, but I believe every effort has been made by the Department Public Works to carry out these works, and that the result is solely due to the difficulty of obtaining materials and skilled labor on the detached works for which sanction was accorded. Each year will however render this part of an Engineer's duties easier; and when it is considered that the 63 escapes directly affect the safety of a lakh of revenue it is scarce necessary to dwell on the importance of the work being quickly carried out.

10. I have given the revenue liable to be destroyed for the want of head sluices and escapes. But this is very far short of representing the value of these precautionary works to the people.

11. A further sum of Rupees 3,553 was expended on the revetment of an important tank, in the Atmakuru Taluk, under the Eastern Ghats, the Kalavaya Tank, whilst an expenditure of Rupees 3,652 for the groynes for the protection of the south bank of the Pennair near Nellore completes the new works to which it is necessary I should refer, and are themselves not the least valuable of the public works executed in the District during the year under report. The groynes in the Pennair have met a serious danger, and have been eminently successful.

12. On Communications our expenditure under the head of New Works has been Rupees 33,795; and I wish I could report equally favorably on this most important item of public works. But, in my opinion, we have been unfortunate from the first in this District in regard to roads. With a vast extent of Sea Coast we have made no use of it. Divided every few miles by the drainages usually found in a Coast District, we have attempted to carry our roads across these drainages where the attempt has been made, by bridges utterly inadequate to the drainage to be provided for; and thirdly, the roads have been laid down more with reference to the ideas of the Engineer than the convenience of the people. It will be long before we cease to feel the effects of such an untoward commencement.

13. The first expenditure under this head in this year's Progress report is on the Guduru and Dugarazapatnam road. Rupees 16,509 have been expended on this road during the year under report, and a portion of the road is now open.

14. The next item of expenditure is 1,393 Rupees expended in the construction of a bridge on Trunk road No. 6 north of the Pennair, a portion of which fell down as soon as it was built. It was said to have been destroyed by lightning; whilst this part of Trunk road No. 6 is a striking illustration of what I have observed with reference to the manner in which our roads have been laid out.

15. Trunk road No. 6 north of the Pennair leaving the large and populous villages in the vicinity of the Coast, has been carried in a straight line through a jungly country a very few miles inland. It has not a large town on it save one; and, at the present moment, we are expending our maintenance allowance on the repair of a road that is of no use to local traffic, and cannot be used for general traffic, on account of the drainages by which it is intersected; whilst a large portion* of our Local Funds that should be used for local traffic is expended to keep in decent order the old line of Trunk road from which the maintenance allowance has been transferred, whilst the traffic remains.

* Rupees 9,500.—Vide Local Fund Budget for 1862-63, No. 16, Part I.

16. The next item of expenditure is Rupees 5,208 on the Dorenall and Nellore road, which instead of being taken round the foot of the Sangam hill through the town is taken two miles to the north, over the top of the hill apparently to secure a straight line; and a portion of this expenditure goes to cutting a Ghat that, if convenience of the people had been consulted, would never have been cut at all.

17. A sum of Rupees 9,386 has been expended on the cotton road from Cumbum to Ongole and Ongole to Kottapatnam. The export of Cotton from Kottapatnam has been trebled this year, and I beg to bring prominently to the notice of the Board the extreme necessity for doing all that is possible to facilitate communications with this port, and the utterly unsatisfactory state of this most important work at present. The great difficulty on the line is crossing the coast swamp near Kottapatnam; and last year about this time, when I was up in that portion of the District, I did all I could to accelerate progress by procuring labor. A change in the Department involved delay, but the work went on favorably on the whole till the end of the year; and since then, up to this date, as regards the swamp, nothing has been done.

18. The Trunk road south of Nellore is getting into better order; and an expenditure of Rupees 1,299 for the construction of a stone causeway across one of the drainages in the 93rd mile of this road completes a total expenditure of Rupees 33,795 on new works of communication.

19. Stone causeways are apparently by far the most practical manner of dealing with the wide drainage rivers of this District. Such causeways flush with the bed of the stream, cost little, are little liable to injury; and, as the rivers have come down quickly, and run off quickly, their being occasionally under water is not much inconvenience, whilst bridges cost more and are precarious.

20. I will now proceed to analize briefly the outlay on repairs, during the year under report, under the three heads of Irrigation, Communications, and Buildings, the total expenditure being 90,570 Rupees.

21. In addition to the expenditure of Rupees 94,504 shown in paragraph 4 to have been incurred on new works connected with Irrigation, Rupees 37,694 have been expended on the repair of Irrigation works. By far the larger portion of this amount, viz., Rupees 29,612, has been laid out in the repair of tanks. Last year (1860-61) our total expenditure on works of Irrigation was much heavier having been 1,43,087 Rupees; and by way of showing how this expenditure has been distributed through the different Taluks I annex a Statement showing for both years the area irrigated in each Taluk with its adjusted assessment, and the repairs executed, and the proportion borne by these repairs to the revenue. To make the Statement more complete, I give similarly the cost of new works; and the Board will see from this Statement that our expenditure on the repair works of Irrigation in the year under report was only 7 per cent on our revenue against an expenditure in the year 1860-61 of 28 per cent, a change highly satisfactory in itself, but I fear rather attributable to the unsatisfactory nature of the past season, than the repairs themselves. The repairs however have been well executed. I have travelled over much of the District in the last 12 months. I have made a point of examining closely the tank banks; and I have much pleasure in reporting, that the tank banks are generally in good order, in many instances in beautiful order; and I trust where the requisite escapes, &c., have been duly provided, we shall be able to benefit by a heavy monsoon instead of sending up as hitherto a list of breached tanks.

Names of Talukas.	Area irrigated and the assessment as adjusted for 1860-61 and 1861-62.				Expenditure under the Public Works Department during 1860-61 and 1861-62, on works of irrigation.								Comparison of expenditure with assessment as shown in column 2.				Remarks.
	Area.		Assessment.		New Works.		Repairs.		Total expenditure during 1860-61 and 1861-62, under the Public Works Department on works of Irrigation.		On repairs.				Total.		
Names.	1860-61. Acres.	1861-62. Acres.	1860-61. Rupees.	1861-62. Rupees.	1860-61. Rupees.	1861-62. Rupees.	1860-61. Rupees.	1861-62. Rupees.	1860-61. Rupees.	1861-62. Rupees.	1860-61. Per cent.	1861-62. Per cent.	1860-61. Per cent.	1861-62. Per cent.	1860-61. Per cent.	1861-62. Per cent.	
Guduru.....	18,875	19,750	1,07,309	1,13,287	6,735	8,346	34,164	3,887	40,899	12,233	32	3	38	11			Not struck as the assessment on the Irrigation of the named villages in Baldapura is not included.
Rapuru.....	1,409	1,478	8,197	8,635	32	794	6,116	4,095	6,148	4,889	...	...	...	...			
Nellore.....	47,231	48,489	2,33,020	2,38,071	15,000	35,379	63,673	20,463	78,673	55,847	27	9	34	23			
Atmakuru.....	7,131	9,762	38,810	52,090	1,265	4,316	11,335	4,911	12,600	9,227	29	9	32	18			
Kavali.....	10,925	11,319	57,477	60,561	240	969	13,275	2,853	13,515	3,822	23	5	23	6			
Udayagiri.....	1,397	915	7,604	5,956	...	...	1,216	78	1,216	78	16	1¼	16	1¼			
Kandukuru.....	7,239	9,803	42,990	58,580	1,151	1,168	10,990	920	12,141	2,088	25	2	28	4			
Ongole.....	1,503	2,625	9,703	18,711	845	...	2,318	172	3,163	172	24	1	33	1			
Kanigiri.....	281	831	2,373	6,869	...	...	...	...	...	...	...	...	...	...			These averages are incorrect in so far as the villages, referred to above, are not included.
Total.....	95,991	1,04,972	5,07,483	5,62,710	25,268	50,972	1,43,087	37,384	1,68,355	88,336	28	7	33	16			
Expenditure on the anicut distributed over two Taluks.	...	...	...	...	45,380	34,794	...	310	45,380	35,104	...	...	...	...			
Do. do. Survapali new cut from Jaffer Sahib.	...	...	...	...	37,924	8,738	...	...	37,924	8,738	...	...	...	...			
Total.....	95,991	1,04,972	5,07,483	5,62,710	83,304	43,532	...	310	83,304	43,842	...	...	...	...			
Grand Total...	95,991	1,04,972	5,07,483	5,62,710	1,08,572	94,504	1,43,087	37,694	2,51,659	1,32,198	28	7	50	23			N. B.—The assessment for 1861-62 is incorrect inasmuch as it does not include certain Remissions, Quit-rent and Irrigation in Garden lands. There are also slight errors in the Talukwar expenditure in 1860 61, owing to the D. P. W. having entered some of the villages incorrectly.

22. Rupees 37,694 having been devoted to the repair of Irrigation works, Rupees 48,108 represent the maintenance allowance on metalled roads, and make up a total of 85,802 Rupees out of an aggregate sum of Rupees 90,570 expended on repairs.

23. Of the expenditure of Rupees 48,108, or nearly one-fourth the total expenditure in the District during the year under report, I have no detailed information. I have already observed that a portion is given for the maintenance of Trunk road No. 6, north of the Pennair, which is not used for traffic, and it therefore seems to me scarcely entitled to any allowance from this head; and to this item I must add another item, viz., planting and watering avenue trees to which I am equally opposed. But, in other respects, the maintenance allowances, so far as I am able to form an opinion, have been well laid out, and such roads as we have, have been kept in good order. When we have not enough money to make roads, it seems to me rather an Irish idea to make avenues.

ENCLOSURE No. 1.

ABSTRACT.—Report of Progress during the year 1861-62.

From J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated 15th October 1862, No. 261.

Adverting to the marginal note to paragraph 1 of my letter, No. 244 of the 29th ultimo, to the effect that the Statement of Remunerative works for 1861-62 was under preparation, and would be forwarded subsequently, I have now the honor to transmit the same herewith.

ENCLOSURE No. 1.

ABSTRACT.—Remunerative Statement of works for 1861-62.

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1. Ordered to be submitted for the information of Government, and that a copy be also transmitted to the Chief Engineer, Department Public Works.

2. The Collector's report is very full, and gives a very satisfactory account of the progress generally of public works in Nellore in 1861-62. The following abstract of expenditure is gathered from it:—

Description of works.	New work.	Repairs.	Total.
	RS.	RS.	RS.
Irrigation projects.....	94,504	37,694	1,32,198
Communications.....	33,795	48,108	81,903
Buildings.....	2,637	4,768	7,405
Total.....	1,30,936	90,570	2,21,506

3. As no similar report appears to have been received from Nellore for the year 1860-61, the Board are unable to contrast the expenditure of the two years.

4. The leading feature of the operations of the year under review is, as the Collector points out, the completion of the Pennair anicut upon which so much money has been spent; and it is satisfactory to notice that the Collector believes that the project will fully answer its purpose.

5. The Board would draw attention to the Collector's remarks in respect to the roads of the District in paragraphs 12, 14, 15, 16, and 18, and more particularly to the unsatisfactory state of the Cotton road from Cumbum *via* Ongole to the port of Kottapatnam, the great difficulty on the line being the Coast swamp near Kottapatnam. The Board are of opinion that Local Funds might very properly be expended in the improvement of this important line.

6. In paragraph 23, the Collector brings to notice that planting and watering avenue trees are carried on from the maintenance allowances; and the Board consider that these funds should not be thus appropriated.

7. The Board note with much satisfaction the interest manifested by the Collector in these operations which so materially affect the welfare of the District.

(True Copies and Extract.)

Acting Sub-Secretary.

To Honorable T. Pycroft, Chief Secretary to Government, with enclosures.

Copy to Colonel W. I. Birdwood, R. E., Chief Engineer, D. P. W.
" to J. W. B. Dykes, Esq., Collector of Nellore.

Exd. J. Wright.

1862. Department.

Pro. of Govt. for Revn.

No. 3299

PROCEEDINGS OF THE BOARD OF REVENUE,

Dated 21st *October* 1862.
Despatched. 31 Dec.
Received. 4th Nov.

No. 6994.

Submitting report from the Collector of Nellore on the progress of Public Works in his District during the official year 1861-62, with the Board's remarks thereon.

Nellore Order.
No 2820-24 November