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M.R.O. 1—20,002—12-8-65.

(1) Number of Pages 14

(2) Date of repair 7-3-1966

(3) Initials of the Referencer VG

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Rev DEPARTMENT

G.O. No. / B.P. No.	46	Press / Mis.
Dated	7 August	1968 873 .

Not to be folded or roughly handled

No. 1,291.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 15th July 1873.

Read the following letter from J. G. HORSFALL, Esq., Acting Collector of Nellore, to J. GROSE, Esq., Secretary to the Board of Revenue, dated 5th June 1873, No. 1,302:—

I HAVE the honour to submit the Annual Report on the Public Works executed in this district during the past Official year 1872-73.

2. The following Statement exhibits the expenditure incurred during the year under report, as compared with that during the year preceding:—

Particulars of Works.	Expenditure in 1871-72.	Expenditure in 1872-73.	Difference.	
			Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
New Works.				
Irrigation	84,866	29,492	...	55,374
Buildings	2,017	7,487	5,470	...
Total...	86,883	36,979	...	49,904
Repairs.				
Irrigation	54,260	59,085	4,825	...
Buildings	1,977	2,854	877	...
Total...	56,237	61,939	5,702	...
Grand Total...	1,43,120	98,918	...	44,202

3. From this statement, it will be observed that the aggregate expenditure fell far short of that of the preceding year, the decrease in expenditure on Irrigation New Works being particularly large. On the other hand, the expenditure on Irrigation Repairs shows an increase and the expenditure on Buildings, both Original and Repairs, forms a contrast to the trifling operations of the preceding year. The Budget grant for Agricultural Original Works was Rupees 1,20,000, and, out of this large sum, Rupees 29,492 only have been spent. This grant of Rupees 1,20,000 was allotted on the three projects particularized in the margin, but no expenditure was incurred on the Sangam Project, and only Rupees 25,124 were spent on the Survapully Channel, the balance being spent on Minor New Works. This will account for the large decrease in the year under report on Original Works of Irrigation. For Repairs, Irrigation, the Budget grant was Rupees 56,200, which was subsequently* raised to 81,000 Rupees; but the amount actually expended on Repairs is given at Rupees 59,085.

	Rs.
Improvements to the Survapully Channel	65,000
Sangam Project	50,000
Irrigation Channels of the Northern Delta, Pennair Minor New Works.	5,000
Total...	1,20,000

* G. O., dated 9th April 1872, No. 935.

4. The original allotment for Civil Buildings, both Original and Repairs, was Rupees 18,600, and this was subsequently increased† to Rupees 18,800. Of this sum, Rupees 10,341 only were expended, leaving a balance of Rupees 8,459, unexpended at the close of the year.

† G. O., of 18th March 1872, No. 769.

5. The Budget grant of the year under report was as follows:—

Works.	Grant.	Expenditure.	Remarks.
	Rs.	Rs.	
Original Works.			
Building including Police Stations, etc., Provincial.	15,500	7,487	
Agricultural	1,20,000	29,492	
	1,35,500	36,979	
Repairs.			
Buildings including Revenue, etc., buildings, Provincial...	3,100	2,854	
Agricultural	56,200	59,085	
Total...	59,300	61,939	
	1,94,800		
Tools and Plant...	200		
	1,95,000	98,918	Total expenditure.
Add subsequent sanctions...	38,659		
	2,33,659		
Deduct.			
Transferred to other districts	43,076		
Surrendered...	60,430		
	1,03,506		
Balance of grant available	1,30,153		

6. The grant originally sanctioned in the year was Rupees 1,71,680, increased by supplemental grants to Rupees 2,33,659. This amount was by subsequent changes—transfer to other districts and surrender—reduced to the comparatively small balance of Rupees 1,30,153, even less than the balance available in the preceding year. The entire expenditure incurred was, however, only Rupees 98,918, which is also a decrease on that of last year, leaving a balance of Rupees 31,235, unutilized for reasons that will be explained under each head.

7. *Communications.*—Works of communication appear now as Local Fund transactions in consequence of the operation during the year of the Local Fund Act, and as such, are treated of in the Local Fund Report recently submitted to the Board and omitted from this report. A separate report on the subject of communications was also submitted to the Board on the 20th ultimo, with my letter No. 1,155. In this report the whole subject is treated in detail, as directed in paragraph 3 of the Government Order, circulated with the Board's Proceedings of 5th March last, No. 313.

8. *Irrigation Works (a) Original.*—The provision under this head in the Budget was Rupees 5,000 for Ordinary Works, and Rupees 1,15,000 for Extraordinary Original Works, the latter amount being the allotment for the year for the Survapully and Sangam Projects, and the former for Minor New Works. On the Sangam or Northern Delta Irrigation Project, for which a grant of Rupees 50,000 was allotted in the budget, no expenditure was incurred.

For the repair of the Pennair Anicut, the allotment sanctioned was Rupees 10,000, of which Rupees 7,108 were expended in repairing the damages done to the Anicut by the heavy freshes of October 1870. Considerable work from the Progress Reports appears to have been done, but the work is still incomplete.

9. The aggregate expenditure on Agricultural New Works was Rupees 29,492, of which Rupees 18,384 were spent on improvements to the Survapully Channel in connection with the Pennair Anicut, and Rupees 11,108 on Ordinary New Works. The outlay on the former project was comparatively small, and is due, as the District Engineer explains, to the pitching of the Survapully Channel having been stopped in the early part of the year, and to the effects of the very wet season which prevented operations being resumed on an extensive scale at the close of the monsoon. The rain-fall actually registered was 52·7 inches, or 19·51 inches in excess of that of the average of the five preceding years. The loss of time caused by the stoppage is to be regretted, but Mr. R. Smith hopes to compensate for this by the improved arrangements it has enabled him to make for the prosecution of the work during the current Official year.

10. The sum of Rupees 11,108 on Ordinary New Works, was spent chiefly in the construction of sluices to twenty-three tanks, and irrigation sluices to three channels.

The expenditure on Minor New Works, Agricultural, was on the whole comparatively small. This can only be accounted for by the unusual season and the frequent changes in the principal Range.

11. *Irrigation Works*, (b) *Repairs.*—The expenditure on Repairs amounted to Rupees 59,085. The number of works repaired was as follows:—

Works.	No. Completed.	No. Incomplete.
Anicut		1
Channels	27	8
Tanks	89	59
Weirs	13	...
Regulators	18	1
Sluices	37	4
Aqueducts	1	1

This outlay of Rupees 59,085, on Agricultural Repairs was distributed on the works annexed—

	Rs.
On Pennair Anicut	7,108
On Southern Delta of Pennair inclusive of Survapully section	14,266
On works not under the influence of the Pennair Anicut ...	37,711
Total...	59,085

It will thus be observed that the Irrigation repairs in the Pennair Delta amounted to Rupees 21,374, of which Rupees 7,108 were expended on the Pennair Anicut in completing the repairs. The original estimate for these repairs, sanctioned by Government, in Government Order, dated 24th February 1871, No. 544, amounted to Rupees 59,500. The net expenditure to the end of the previous year was Rupees 26,291-5-7, and the Budget allotment for the year under report was Rupees 10,000.

The expenditure on Agricultural Repairs was also considerably less than was anticipated, the outlay being comparatively small for the reasons already stated in paragraph 10. It is, however, gratifying to observe that, notwithstanding these drawbacks, the expenditure on repairs during the year under review, exceeded that of the previous year by Rupees 4,825.

12. Of the expenditure on Repairs, the proportion which fell to the several Revenue Divisions was as follows :—

	Expenditure. Rs.
Sub-Division	4,915
Head-Assistant's Division	6,089
Naidupett Division	7,961
Collector's Division	40,120
Total...	59,085

13. The subjoined is a Comparative Statement showing the aggregate expenditure for New Works and Repairs under the head of "Irrigation" compared with the Revenue :—

Name of Taluq.	Area irrigated and the assessment as adjusted for 1872-73.		Expenditure under the P. W. D., during 1872-73 on works of irrigation.		Total.	Comparison of expenditure with revenue.	
	Area.	Assessment.	New Works.	Repairs.		On Repairs.	Total.
	ACRES.	RS.	RS.	RS.	RS.	PER CENT.	P. C.
Gudur	41,698	1,94,382	6,946	7,511	14,457	4	7½
Rapur	5,545	28,022	443	7,961	8,404	28½	30
Nellore	90,594	3,69,611	2,807	18,781	21,588	5	6
Atmakur	18,229	83,841	...	2,762	2,762	3	3
Kavali	21,549	86,090	652	5,424	6,076	7½	7
Udayagiri	3,897	13,018	...	665	665	5	5
Ongole	2,077	11,173	...	2,275	2,275	20	20
Kandukur	13,486	69,963	...	1,850	1,850	2½	2½
Kanigiri	509	3,982	260	790	1,050	20	25
Total...	1,97,584	8,60,082	11,108	48,019	59,127	...	...
Expenditure on the Pennair Anicut distribution over two Taluqs	...	...	...	7,108	7,108	...	...
Expenditure on improvements to Survapully Channel in connection with Nellore Anicut	...	...	18,384	...	18,384	...	...
Jaffer Saheb's Channel	...	...	...	...	...	...	...
Kristnapatam Canal ...	...	...	...	3,096	3,096	...	...
Pennair Embankment	...	...	...	862	862	...	...
Total ..	...	...	18,384	11,066	29,450	...	...
Grand Total...	...	...	29,492	59,085	88,577	7½	10½

14. As in the previous years, it will be observed that in several instances the allotments available for New Works and Repairs were not fully utilized, a large balance of Rupees 87,623 having been left unexpended. This large unexpended balance is due to the effect that not a rupee of the allotment of 50,000 Rupees provided in the Budget for the Sangam Project—improvements to the Irrigation channels of the Northern Delta of the Pennair—was spent on the work; as well as to the fact that only Rupees 25,124, out of an allotment of Rupees 65,000, were expended on the Survapully Channel. This apparent inactivity is, as explained by the District Engineer, accounted for in paragraph 9 (*supra*), as well as by the unusual season, and the frequent changes in the principal range.

In some instances the allotments were not utilized at all. In others, only a part of the allotment was utilized, as in the provision for the work connected with the Survapully Channels. In others again, and the examples are too numerous to particularize, the works were completed with balances varying in amount left on hand.

15. The expenditure of only Rupees 18,384 on the Survapully Irrigation Project, is inconsiderable when compared with the allotment of Rupees 65,000, and with the previous year's operations. All the Masonry works, as already reported, have been completed, and the revetment to the main reservoir was nearly completed at the close of the year, as well as the earth-work to its full section. The earth-work required towards strengthening and completing the bank of the main reservoir was done to the extent of 17,100 cubic yards, and 5,268 cubic yards of rubble pitching executed to the slopes of the channel, or, including that of previous years, one-third of the whole amount estimated for. A good deal of stone revetment work was also finished.

16. *The Udayagiri Aqueduct*—an important work, intended to lead the waters of the Droog into the midst of a drought-stricken village, is still, I regret to say, unfinished. In November last, an allotment of Rupees 1,360 was sanctioned for the completion of the last 931 yards of the aqueduct. This estimate, included the cost of constructing two cisterns. Mr. Weir, the Acting Head-Assistant Collector, reports that, when at Udayagiri in February last, he observed that one of the cisterns had been finished, and that the channel work was being attended to. He hopes, therefore, shortly to hear of its completion. Details relating to this work are embodied in my report* on Special Funds recently submitted to the Board.

* Letter No. 980, dated 3rd May 1873.

17. *Civil Buildings (a) Original.*—The expenditure on Buildings amounted to Rupees 10,341, viz., Rupees 7,487 on Original Works, and Rupees 2,854 for Repairs against a net allotment of Rupees 16,914 provided for the year. Although this outlay was not as large as it might have been, still it compares favourably with the very trifling operations of the preceding year.

18. The first sum, Rupees 7,487, was laid out on the construction and improvement of the following works or in adjusting payments for materials collected—

		Expenditure. Rs.	A.	P.
1.	Completing Salt Superintendent's Cutcherry at Kanuparti	1	15	11
2.	Constructing Sub-Collector's Cutcherry at Ongole	4,862	9	0
3.	Constructing Police Station-house at Singaroyakonda	768	14	3
4.	Improvements to the Collector's Cutcherry at Nellore	17	12	1
5.	Constructing a Police Station-house at Sulurpett	282	11	9
6.	Constructing a Police Station-house at Racherlapadu	320	0	0
7.	Do. Do. at Butchiredipoliyam...	314	0	0
8.	Constructing a Corpse gate for the Cemetery at Nellore	144	5	11
9.	Constructing a Taluq Cutcherry and Jail at Atmakur	775	0	0
	Total...	7,487	4	11

Of these buildings, the first, third and fourth only were completed. The construction of the others were merely in progress, and in one instance (No. 8) the materials only had been collected.

But little progress was made with the Sub-Collector's Cutcherry at Ongole up to September. Since then, the work has been steadily progressing. The walls have been raised to their full height with the exception of one gable. The walls of the Turret are also incomplete. The estimate for this work, amounting to Rupees 10,700, was sanctioned in Government Order of the 5th January 1872, No. 28, and Mr. R. Smith states that the cause of the small outlay, Rupees 4,862, during the year, is attributable to the non-receipt of the necessary wood-work from the Bezwada workshop. To this account is due also the comparatively small outlay on Provincial and Minor New Works. Mr. Smith's object in ordering the wood-work from the Bezwada workshop, appears to have been to expedite matters; but unfortunately the indent made on the workshop has not yet been fully complied with, and the funds required for the building in February and March last, some Rupees 3,800, were, by a mistake, retained in the hands of the Department Public Works, instead of being surrendered for expenditure elsewhere.

19. The repairs to the Rapur Taluq Cutcherry, referred to in last year's report, have been completed at a cost of Rupees 218 out of an allotment of Rupees 244 for the year, allotments having been made for all the works sanctioned, the progress of none of them was deferred for want of money. A small amount of Rupees 134 was allotted for the current year for repairing the Collector's Cutcherry at Nellore. This amount was not utilized as it was found to be insufficient to complete the repairs required. It was therefore surrendered. The estimate for these repairs amounted to Rupees 295, out of which Rupees 161 were spent in the preceding year.

20. (*b*) *Repairs.*—The amount expended under this head during the year was Rupees 2,854 on the repairs of the following fifteen works, most of which were completed :—

		Rs.	A.	P.
1.	Repairing Sub-Magistrate's Cutcherry at Mogallur	15	0	0
2.	Range Office at Ongole	44	1	0
3.	Repair of Salt Superintendents' Cutcherry at Oolapallem	110	2	3
4.	Repairing terrace roof of new Taluq Cutcherry, Ongole	219	1	0
5.	Do. Town Sub-Magistrate's Cutcherry at Nellore	210	0	0
6.	Do. Civil Court house at Nellore	611	9	2
7.	Do. Portion of Jail at Nellore	660	0	0
8.	Do. Workshop in the Engineer's Store-yard at Nellore	72	0	0
9.	Do. Police Station-house at Sangam	127	7	9
10.	Do. Re-constructing a thatched stabling for the Collector's Office, Nellore...	80	0	0
11.	Do. Taluq Cutcherry Record Room and Tahsildar's Office at Rapur	218	5	2
12.	Do. Record Room of the Udayagiri Taluq Cutcherry	89	3	9
13.	Do. Taluq Cutcherry at Devarayapalli	323	0	0
14.	Do. Store at Rapur	7	8	0
15.	Do. Taluq Cutcherry at Kavali	66	12	0
	Total...	2,854	2	1

The repairs of works Nos. 9, 10 and 15 only of those enumerated above had not been completed at the close of the year. For No. 9, the Police Station-house at Sangam, the old roof had been pulled down, and the old walls raised one foot all round with masonry. Materials for the wood work had been purchased, and the roofing was in rapid progress. The materials for No. 10 (the stabling) had been collected, and the work has since been completed. No. 15 is reported to be in rapid progress.

Altogether twelve Civil buildings were repaired, and three others partially repaired, and I am of opinion that the progress made during the year on Civil buildings, both Original Works and Repairs, is satisfactory.

21. Regarding the Civil Dispensary at Ongole, referred to in last year's report, the management of which is now in the hands of the Local Fund Board, I would solicit attention to G. O., dated 24th October last, No. 1,448, from which, it will be observed, that the unfinished building, intended originally for the Civil Dispensary, is to be made over to the Police, and that the old Military building with its out-houses is to be adapted for the dispensary out of Local Funds. This arrangement has received the sanction of Government, and will be carried out after the estimate to convert the building to the purpose for which it is required has been sanctioned by the Local Fund Board. The Dispensary is at present held in one of the rooms of the old Military building, referred to, which commands an open space of ground to the front and rear. No in-patients are admitted, all the treatment now afforded being confined to out-patients.

22. *State of Season, Prices and Labour.*—The season was on the whole a favourable one for wet cultivation, most of the tanks in the Nellore and Gudur Taluqs received a full supply. The channels under the Pennair Anicut were also well supplied with water, and the returns are expected to show favourable results. The total rain-fall during the year was considerably over the average, being 43·90 inches against 33·93 in the previous year. This register of rain-fall differs from the return furnished by the District Engineer, and given in paragraph 9, but it is taken

from the Returns received in this Office from the taluqs. The condition of the district was decidedly prosperous, and the state of the crops on the whole favourable.

23. The prices of grains and all agricultural products continued generally stationary with only slight and occasional variations; the slight increase towards the end of the year in all agricultural products, with three exceptions,* is attributable to excessive and untimely rains.

* Indigo, Sugar and Salt.

24. The District Engineer reports that, with the exception of the cost of the ordinary tiled roofing, the rates for labour had not increased. The increase in the cost of roofing is, it appears, attributable to the great difficulty experienced in procuring good palmyrahs. The competition system, introduced in September last, appears to have shown good results, and by persisting in such a system of extended competition, it will be some time before any additional increase to existing rates will be necessary.

25. The usual Statement of mileage on roads, directed to be furnished in Government Order, No. 2,831, dated 11th November 1868, is enclosed, and subjoined is an abstract of the Statement submitted, showing the mileage of the several roads kept in order during the past year:—

	Miles.
Great Northern Road	149
Nellore and Dornal Road	56
Nellore and Kristnapatam Road	13
Dugrazupatam Road	22
Kottapatam and Cumbum Road	72
District Roads	312

26. Copies of the reports of the Sub-Collector, Head-Assistant and Deputy-Collectors are forwarded as usual. Both the Acting Sub-Collector and Acting Head-Assistant Collector have again treated of communications in their reports, notwithstanding that the attention of their predecessors in office was called to paragraph 7 of the Board's Proceedings of 17th August last, No. 1,611.

27. These reports are on the whole favourable. The ruined tank, referred to in the Naidupett Deputy-Collector's report, paragraphs (7 to 10), is about to be restored, the necessary steps being now taken in communication with the District Engineer to effect this object.

Enclosure No. 1.

From W. H. GLENNY, Esq., Acting Sub-Collector, to J. G. HORSFALL, Esq., Acting Collector of Nellore, dated Ramayapatam, 26th May 1873, No. 170.

I have the honour (as directed by your docket of the 30th ultimo) to report on Public Works in the Sub-division. For the tardiness and (still more) for the meagreness of this Return, I have to express regret. No memoranda which might serve as materials, are to be found in my office. It is probable that nothing was actually committed to paper by Mr. McCarthy, as he did not expect to get furlough till after the expiry of this official year. Since my arrival, I have been obliged to spend most of my time in one Taluq, Kandukur, so I have not had opportunities of seeing much of the division. I have, however, seen enough to enable me to preface my observations on details by the general remark that all of Mr. Lyons' work that has come under my notice, bears the decided impress of great energy and thoroughness. It is superfluous to say that I institute no invidious comparison between that gentleman and his successor, of whose work I have not yet had time to form my opinion.

2. I follow the order in which the works are entered in the Range Officer's Progress Report, to which I have recently had access in your office:—

Original Work—*Civil Buildings, No.* 2.—Sub-Collector's Cutcherry at Ongole was rapidly pushed on during my stay at Ongole (6th—19th March). Most of the masonry was then completed. Timber for flooring, etc., had not arrived. Work appeared good.

No. 3.—Singaroyakonda Police Station was almost entirely built in three weeks. Work seemed substantial. Nearly complete on 10th April.

Repairs—*Civil Buildings, No.* 3.—Salt Cutcherry at Oolapallem. In good order on 24th March.

Road Fund—*Communications, No.* 2.—Great Northern Road. In good order for nearly whole metalled extent. It is to be hoped that the rivers, especially Musi and Manneru, will be bridged shortly.

No. 5.—Singaroyakonda to Oolapallem. In perfect order (24th March).

No. 6.—Road from Singaroyakonda, inspected as far as Kandukur. In fair order.

No. 7.—Ramayapatam Bungalow. Thorough repair, satisfactorily completed.

Nos. 8, 9, 10, 11.—The other bungalows have been kept in good order.

Agricultural Repairs.—Of these No. 7 (Ramayapatam large tank) is the only one I have inspected. I have no remark to make on it. I regret to say that many of the tanks and channels in Kandukur Taluq are in a bad way. The Binginipalli tank, for instance, is almost ruined. I would call attention to the long contemplated channel from the Manneru to this tank through Sanampudi. The fine Mopadu tank is in a critical state. The Machavaram tank seems pretty secure, but I think ought to be looked to by a professional. The Chelamcherla tank is in want of repairs. The ryots in this district appear reckless and wanting in foresight beyond the average; and all over the country, irrigation works have suffered from their neglect and laziness. I have specified the abovementioned works as being in want of repairs, far too costly to be executed by the ryots themselves.

(True Copy.)

(Signed) J. G. HORSFALL,
Acting Collector.

Enclosure No. 2.

From T. WEIR, Esq., Acting Head-Assistant Collector, to J. G. HORSFALL, Esq., Acting Collector of Nellore, dated 12th May 1873, No. 186.

I have the honour to report on Public Works in my division during the year 1872-73.

2. Imperial.—*Agricultural.*—A sum of Rupees 652-1-9 was expended on the construction of original works, principally masonry sluices, during the year. This outlay was confined to the Kavali Taluq. No expenditure on Original Works was incurred in the Udayagiri Taluq.

3. In the Taluq of Kavali, the outlay on Repairs during the year amounted to Rupees 5,428-10-9. This total includes a sum of Rupees 1,200 expended on closing the breaches of the Anamakondapoliyam tank near Bramhanakraka. This work breached during the heavy rains of October 1872, and was promptly and efficiently repaired. In the Udayagiri Taluq, the outlay on Repairs amounted to only Rupees 665-4-11.

4. Under this head, I have to refer to the case of the Totalacheruvupalli Tank (Udayagiri Taluq) alluded to in last year's report. This tank breached in December 1869 and again in October 1870. The Public Works Department being unable for various reasons to undertake the immediate repair of the work, the villagers themselves closed the breaches and repaired the tank after a fashion. In August last, the villagers applied for payment of a sum of Rupees 926-0-9 which they represented was the value of the work done by them in repairing the tank. On this

I requested the Range Officer, Mr. Sub-Engineer Plummer, to inspect the tank, and report on the value of the work done. This has been done as far as possible, the water in the tank preventing the inspection and measurement of any earth-work pits there may be inside the tank and Mr. Plummer reports that the value of the work done by the villagers amounts on a liberal calculation to Rupees 385-13-0. I have directed the Tahsildar to offer the villagers the payment of the above sum (Rupees 385-13-0) in full compensation of the outlay incurred by them. In the event of the villagers declining to receive the above sum, no further steps can be taken until the water in the tank is sufficiently dried up to allow of careful measurement of such earthwork as may have been executed inside the tank. The work carried out by the villagers is not, in the opinion of Mr. Plummer, sufficient for the security of the tank, and an estimate for further repairs, amounting to Rupees 390, has been prepared and submitted for sanction.

5. I observe that my predecessor, Mr. McCarthy, in his report of last year, complained of the inattention of Public Works Department to the irrigational requirements of the Udayagiri Taluq. It is, however, hoped and expected that, under the present system and recent organization, the demands of this outlying region will meet with all due attention.

6. *Provincial.*—No Original Works were carried out during the year under this head.

7. Under the head of Repairs a sum of Rupees 66-12-0 was expended in repairing the Taluq Cutcherry at Kavali, and a sum of Rupees 89-3-9 in repairing the Taluq Record-room at Udayagiri. The work in both cases is almost completed.

8. With reference to Mr. McCarthy's remarks in last year's report on the subject of a new Cutcherry at Udayagiri, I may remark that I do not agree with that officer as to the urgency of a new Cutcherry being constructed. A more commodious building than the present Cutcherry is undoubtedly highly desirable, but the want is not pressing. Considering also the unimportance of Udayagiri in a revenue point of view, a Cutcherry on the standard plan seems scarcely called for. A building slightly larger than the present one, and more favourably situated would meet all necessary requirements.

9. *Local Communications.*—Under the head of Original Works a sum of Rupees 9,853-10-0 has been expended in the Kavali Taluq, while the outlay under the same head in the Udayagiri Taluq amounts to Rupees [illegible]-11-2. The bulk of the outlay in the Kavali Taluq viz, Rupees 6,335-11-2 has been incurred in the construction of the Kavali and Kaligiri roads. A small branch road leading from the Great Northern Road into the town of Kavali was constructed at a cost of Rupees 637-9-0. Of the outlay in the Udayagiri Taluq, Rupees 6,663-2-3 is due to the Dornal Road and Rupees 2,278-7-6 to the Kaligiri and Udayagiri roads.

10. Under the head of Repairs (communications) a sum of Rupees 4,900 has been expended in Kavali Taluq on the Great Northern and Kavali and Kaligiri roads, in the proportion of Rupees 3,700 to the former, and of Rupees 1,200 to the latter work. In the Udayagiri Taluq, the expenditure on repairs amounted to Rupees 5,859-15-3. Of this sum, the greater bulk has been expended on the Dornal Road, viz., Rupees 3,298-9-11. The remainder has been expended in nearly equal portions, (viz., Rupees 1,291-5-4 and Rupees 1,270 respectively) on the roads leading from Kaligiri to Udayagiri, and from Dornal to Udayagiri. The latter work in my opinion requires a larger share of attention.

11. Great progress has been made during the year by the Range Officer with the construction of the Dornal Road. An additional estimate for the completion of the last portion of the work, viz., the *ghaut* leading up to the crest of the hills, has, it is understood, been prepared and sanctioned by the Board of Revenue. The speedy completion of this important work which cannot fail to be highly beneficial to both the Nellore and Cuddapah Districts, is therefore confidently anticipated.

12. As regards the road from Kavali to Udayagiri (*viâ* Kaligiri) I have to observe that the work is now almost completed (except in the immediate neighbourhood of Zaladanki) and is in my opinion of very excellent quality. I would point out that there is an error in the numbering of the mile-stones on this road, two stones (in the neighbourhood of Duttaloor, Udayagiri Taluq) being numbered 55. One of the stones should obviously be 54.

13. It only remains to notice the outlay under the head of Repairs in restoring and converting Mr. Dykes' bungalow at Kavali into a Traveller's Bungalow. A sum of Rupees 1,250 was granted for the purpose out of Local Funds. This amount has been expended in re-roofing the bungalow, and the work has been performed in a satisfactory manner. A further estimate for completing the repairs of the bungalow has been prepared and submitted, and, it is understood, awaits the sanction of the Board of Revenue.

14. The Udayagiri Aqueduct, although a special work, should perhaps find a place in this report. On the 2nd November last, a grant of Rupees 1,360 was made for completing the last 931 yards of this work. This estimate included the cost of constructing two cisterns. The details of the work previously done, and the expenditure incurred were given in my letter of the 22nd October 1872. When at Udayagiri in February last, I observed that one of the cisterns had been finished and that the channel work was being attended to. I hope therefore shortly to hear that this important work, which will bring the waters of the Droog into the midst of the village, and secure the inhabitants against water-famines hitherto of frequent recurrence, has been fully completed.

(True Copy.)

(Signed) J. G. HORSFALL,
Acting Collector.

ENCLOSURE No. 3.

From C. CUNDASWAMY MODALIAR, Deputy-Collector, to J. G. HORSFALL, Esq., Acting Collector of Nellore, dated Naidupett, 20th May 1873, No. 154.

I HAVE the honour to submit my annual Report on the Public Works within my Division for the year 1872-73.

2. Subjoined is a Statement showing the expenditure during the year under report as compared with that of the preceding year.

Particulars of works.	Expenditure in 1871-72.	Expenditure in 1872-73.	Increase.	Decrease.
	RS.	RS.	RS.	RS.
New Works.				
1. Irrigation	.....	443	443	.....
2. Buildings	.....	283	283	.....
Total...	.....	726	726	.....
Repairs.				
1. Irrigation	2,691	7,961	5,270	.....
2. Buildings	108	226	118	.....
Total...	2,799	8,187	5,388	.....
Grand Total...	2,799	8,913	6,114	.....

3. From this statement, it will be seen that the aggregate expenditure on Civil buildings and Irrigation works in 1872-73, was Rupees 8,913 against Rupees 2,799 in the preceding year.

4. CIVIL BUILDINGS.—The amount spent under this head was Rupees 509. Of this, Rupees 218 and odd were expended in the repair of the old Taluq Cutcherry now in use at Rapur and Rupees 7-8-0 on the repair of the Store-shed at the same station. The rest was laid out in the construction of a Police Station-house at Sulurpett. None of the new Revenue buildings already sanctioned for this division were undertaken during the year under report.

5. Irrigation Works (a) Original.—No new works seem to have been constructed last year in the Rapur Taluq, except that a sum of Rupees 443 was spent in the collection of materials for three new sluices.

6. In connection with the subject of new agricultural works, I find it necessary to invite your attention to the scope that exists for a large remunerative work in the Rapur Taluq.

7. In the Village of Griddalur, there is a splendid tank, which is now without any use, a large breach having been formed just about the middle of the bund many years ago. It has an extensive catchment basin, and under the tank, there is a large area of waste land to an extent of about a thousand acres. The tank is capable of irrigating this extent, a greater portion of which is likely to be taken up for wet cultivation within three or four years after the breach is closed, and the tank bund put in good order with the sluices and Calingulas required. Not only that the capital laid out on it will be realized in the course of four or five years, but it will permanently raise the Beriz of the village by 4 or 5,000 Rupees at the minimum.

8. The subject of the restoration of this tank was brought to the notice of the Collector, in my letter No. 274 of the 14th November 1870, printed in the Board's Proceedings No. 6,971, of 6th December 1870, the villagers having then presented a petition to the Board, requesting that either the tank be repaired by Government or made over to them. Full particulars about this tank are given in that letter. On a reference being made by the Collector to Colonel Moberly, the then Superintending Engineer, the latter in his letter No. 80 of the 2nd December 1870, informed the Collector that he would look into the project when he could find means and time to do so.

9. More than two years have since passed away and the matters are in *Statu quos* A small sum of Rupees 18 appears to have been sanctioned for the survey of this tank so far back as April 1871, but from the monthly Progress Reports I received through your Office up to October last, I find that the money had not been utilized up to that time on the ground that no Surveyor was available. I have not received the Progress Reports for the subsequent months, nor does it appear from the Statement of Expenditure I received from the Range Officer for the year under report, that the expenditure was incurred.

10. I understood from Mr. Plummer, the Range Officer, in February last, that he had taken up the project in hand, and I remember having seen the drawings of the work with him. I trust that the necessary funds will be placed at his disposal for commencing the work during the current Official year, as by delaying the restoration of this tank, we are losing a large amount of annual revenue.

11. Irrigation Works. (b) Repairs.—The total expenditure on Agricultural Repairs amounted to Rupees 7,961. With this amount the repairs of twenty-six tanks were completed according to the estimates framed, eight of which being incomplete works of the preceding year, and those of eight more were partially executed.

12. On the whole, it is satisfactory to me to find that the Collector was able to allot a larger grant to the Rapur Taluq during the year 1872-73 than in any of the preceding years for the maintenance of Irrigation works. The result was that all the tanks repaired out of this allotment received a full supply of water, and we had therefore little or no remission to grant this year under those tanks.

(True Copy.)

(Signed) J. G. HORSFALL,
Acting Collector.

Enclosure No. 4.—Statement showing the mileage of roads.

Submitted for the information of Government.

2. The allotment for new works of irrigation was large but only was partially utilized. Rupees 50,000 allotted for the Sangam Project was untouched and out of 65,000 granted for Survapully Channel only Rupees 25,124 were spent, owing partly to some change in the orders regarding the construction of the main channel and partly to the unfavourable nature of the season for carrying on work. The latter cause also kept back the ordinary repair works of the district.

3. It is to be regretted that out of Rupees 16,914 allotted for buildings only 10,341 could be spent. The district sadly wants buildings and even when money is forthcoming great delay occurs in constructing them. The report calls for no further remarks.

(True Copies and Extract.)

Secretary.

To the Secretary to Government, Public Works Department,
with one original Statement.

Copy to the Acting Secretary to Government, Revenue Department.
" to the Collector of Nellore.

Exd. G. A. Turton.

46/7

Revd 1873 Sept
No 2293

1873.

Board of Revenue,
MADRAS.

PROCEEDINGS, 15TH JULY 1873, No. 1,291.

Dup 29 July 73 - Encl.

Received 1 August 73

JULY.

No. 1,291.

Public Works—executed in Nellore Distr in 1872-73.—Report of Collector on — su mitted to Government, with remarks regardin small expenditure incurred on Irrigation Work ~~etc~~ under buildings.

No 26

C. 5 August 73 R 7 Sept