M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. / B.P. No.	2908	Press / Mis.
	C876	
Dated	30-10-	—195—

Not to be folded or roughly handled

No. 494. Read the following Proceedings of the Board of Revenue, dated 3rd October 1876, No. 2,491 :—

Read the following letter from F. R. H. SHARP, Esq., Acting Collector of Nellore to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated 3rd July 1876, No. 1,830:—

I HAVE the honor to submit the annual report on the Public Works executed in this district during the past official year 1875-76.

2. The following statement exhibits the expenditure incurred during the year under report, as compared with that during 1874-75 :—

Particulars of Works.	Expenditure in 1874-75.	Expenditure in 1875-76.	Difference. Increase.	Difference. Decrease.
	RS.	RS.	RS.	RS.
New Works.				
Irrigation	48,195	1,45,811	97,616	...
Buildings and Communications including Police Stations, &c.	1,11,127	74,157	...	36,970
Total ...	1,59,322	2,19,968	60,646	...
Repairs.				
Irrigation	1,09,725	85,342	...	24,383
Buildings	3,084	1,933	...	1,151
Total ...	1,12,809	87,275	...	25,534
Grand Total ...	2,72,131	3,07,243	35,112	...

3. From the above statement it will be observed that every head of expenditure, except the item "Irrigation New Works," shows a large decrease contrasted with that of the preceding year. This will be explained further on. In the item of Rupees 74,157 under "Buildings, &c., New Works," a sum of Rupees 46,605 is included as the amount expended on the extension of the East Coast Canal.

For Agricultural, Original Works, the Budget grant was Rupees 1,60,935, of which Rupees 68,500 were at first allotted to the Survapalli Project (Extraordinary), but that allotment was reduced subsequently to Rupees 18,500 by the transfer of Rupees 50,000, originally sanctioned for the Pennair Anicut extension, from the head "Extraordinary" to "Ordinary."

G.O., dated 1st May 1875, No. 1,227.

For Minor New Works, (Ordinary), the original allotment was Rupees 8,300, and the revised grant Rupees 7,700.

Of the original allotment of Rupees 1,60,934, reduced subsequently to Rupees 1,49,400, for Original Works, the sum spent was Rupees 1,45,811. Of this expenditure, Rupees 15,925, out of a grant of Rupees 18,500, were disbursed on the Survapalli Project, and Rupees 1,06,319 on the extension of the Pennair Anicut, leaving a

No. 494. Read the following Proceedings of the Board of Revenue, dated 3rd October 1876, No. 2,491 :—

Read the following letter from F. R. H. SHARP, Esq., Acting Collector of Nellore to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated 3rd July 1876, No. 1,830:—

I HAVE the honor to submit the annual report on the Public Works executed in this district during the past official year 1875-76.

2. The following statement exhibits the expenditure incurred during the year under report, as compared with that during 1874-75 :—

Particulars of Works.	Expenditure in 1874-75.	Expenditure in 1875-76.	Difference. Increase.	Difference. Decrease.
New Works.	RS.	RS.	RS.	RS.
Irrigation	48,195	1,45,811	97,616	...
Buildings and Communications including Police Stations, &c.	1,11,127	74,157	...	36,970
Total ...	1,59,322	2,19,968	60,646	...
Repairs.				
Irrigation	1,09,725	85,342	...	24,383
Buildings	3,084	1,933	...	1,151
Total ...	1,12,809	87,275	...	25,534
Grand Total ...	2,72,131	3,07,243	35,112	...

3. From the above statement it will be observed that every head of expenditure, except the item "Irrigation New Works," shows a large decrease contrasted with that of the preceding year. This will be explained further on. In the item of Rupees 74,157 under "Buildings, &c., New Works," a sum of Rupees 46,605 is included as the amount expended on the extension of the East Coast Canal.

For Agricultural, Original Works, the Budget grant was Rupees 1,60,935, of which Rupees 68,500 were at first allotted to the Survapalli Project (Extraordinary), but that allotment was reduced subsequently to Rupees 18,500 by the transfer of Rupees 50,000, originally sanctioned for the Pennair Anicut extension, from the head "Extraordinary" to "Ordinary."

G.O., dated 1st May 1875, No. 1,227.

For Minor New Works, (Ordinary), the original allotment was Rupees 8,300, and the revised grant Rupees 7,700.

Of the original allotment of Rupees 1,60,934, reduced subsequently to Rupees 1,49,400, for Original Works, the sum spent was Rupees 1,45,811. Of this expenditure, Rupees 15,925, out of a grant of Rupees 18,500, were disbursed on the Survapalli Project, and Rupees 1,06,319 on the extension of the Pennair Anicut, leaving a

balance of Rupees 23,567; of this balance Rupees 7,108 were expended on Minor New Works, Rupees 11,961 on Ordinary New Works,* and Rupees 4,498 on Miscellaneous Agricultural Ordinary Works.

* (1) Chinakraka Tank Calingulah.
(2) Nellore Tank Weir.
(3) Chennur Channel.

For "Irrigation Repairs," the Budget grant was Rupees 71,700, subsequently raised to Rupees 84,000, and the amount expended Rupees 85,342, or Rupees 1,342 in excess of the allotment caused by the transfer from the head "New Works" to "Repairs" of Rupees 3,167.

4. The original allotment for Civil Buildings and Communications, both Original Works and Repairs, was Rupees 62,355, increased subsequently to Rupees 79,673, including the grant of Rupees 50,000 for the extension of the East Coast Canal. Of this sum, Rupees 76,239 (including cost of Tools and Plant) were expended, leaving a balance of Rupees 3,434 unspent at the close of the year.

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

Works.	Grant.	Expenditure.	Remarks.
Original Works.	RS.	RS.	
Buildings and Communications including Police Stations, &c., Provincial	60,255	74,157	
Agricultural...	1,60,934	1,45,811	
Total ...	2,21,189	2,19,968	
Repairs.			
Buildings including Revenue, &c., buildings (Provincial)	2,100	1,933	
Agricultural...	71,700	85,342	
Total ...	73,800	87,275	
Tools and Plant ...	2,94,[illegible]	3,07,243	Total expenditure.
Add subsequent sanctions	[illegible]		
	[illegible]		
	[illegible]		
Deduct.			
Transferred to other Districts	[illegible]		
Surrendered	[illegible]		
Balance of grant available	[illegible]		

6. The grant originally sanctioned in the year was Rupees 2,[illegible], increased by supplemental grants to Rupees 3,[illegible]. This amount was by subsequent changes, transfers to other districts and surrenders, reduced to Rupees 3,[illegible], a sum considerably larger than that available (Rupees 2,[illegible]) in the preceding year.

The entire expenditure was Rupees 3,07,243, leaving a balance of Rupees 6,[illegible] unutilized for reasons which will be explained under each head. The balance unexpended is considerably smaller than that of the previous year.

Proceedings of the Madras Government, Public Works Department,
30th October 1876. *No.* 2,903.

7. *Communications.*—Roads have hitherto found no place in this report, full details regarding them being furnished in the Local Fund Report; but as directed* by the Board, two lists in the prescribed forms showing the progress of *all* works in the district during 1875-76 are submitted with the following brief review of Local Fund outlay entrusted to Public Works and Other Agency.

* *Vide* Circular Memorandum of 7th December last, No. 2,044.

First on the list, as its construction is carried out partly from Provincial and partly from Local Funds is the salt road from Koppolu to Biramgunta. The estimate for this work, amounting to Rupees 29,800, was sanctioned* in February 1871. The expenditure to the end of 1875-76 was Rupees 22,343. The allotment for the year under report was Rupees 7,000, viz., Rupees 4,000 from Local and Rupees 3,000 from Provincial Funds, the whole of which sum was expended. The state of the work is reported to have been unsatisfactory in consequence of progress having been delayed for want of funds, and the Local Fund Budget for the current year contains no provision for the work.

* G.O., No. 356, dated 6th February 1871.

The total grant under Road Fund amounted to Rupees 1,53,532, and the expenditure to Rupees 1,48,240, leaving an unexpended balance of Rupees 5,292, in connection principally with the great northern, and the Dugarazupatam and Kotah roads, and the bridge work in the Musunur valley.

The grants and expenditure under Local Funds (Road Fund) were distributed as follows:—

—	Grant.			Expenditure.			Savings.			Excess.		
Original Works.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Communications	62,313	9	1	57,211	0	0	5,092	9	1	...	...	...
Minor Works	3,938	9	7	3,279	5	7	666	4	0	...	...	...
Repairs.												
Communications	85,860	0	0	85,714	4	4	145	11	8	...	...	...
Tools and Plant	1,420	0	0	1,307	3	7	112	12	5	...	...	...
Tools Establishment	...	...	...	725	0	0	...	...	...	725	0	0
Total ...	1,53,532	2	8	1,48,239	13	6	6,017	5	2	725	0	0

The most important of these works deserving special notice are—

New Works.

1. Road from Nellore to Kodur.
2. Do. from Nellore to Mypaud.
3. Do. from Krishnapatam to the Great Northern Road at Venkatachellam's Chuttrum, portion from Krishnapatam to Survapalli.
4. Do. from Nellore to Baburow's Chuttrum.
5. Great Northern Road from Madras to Bengal frontier.
6. Completing road from Nellore to Kundlairu near Krishnapatam.
7. Gravelling the portion of the Great Northern Road between 33rd and 49th milestones.

8. Constructing the Dornal Ghaut Road.
9. Completing road from Kottapatam, *viâ* Ongole to Cumbum.
10. Road from Oolapalam to Vemulapad Pass.
11. Constructing certain masonry works and metalling a portion of the Great Northern Road from Mudiganda River *viâ* Addanki to Kristna frontier.
12. Metalling and improving the Great Northern Road between the 154th and 195th milestones.
13. Road from Dugarazupatam Road to Kotah.
14. Plastering, &c., the bridges of Musunur Valley on Great Northern Road.

Repairs.

Maintenance of Great Northern Road from Madras to Bengal frontier.
Do. of Road from Nellore to the Dornal Pass.
Do. do. from the Port of Kottapatam to Cumbum in Kurnool.

For General Funds (Local) the total grant amounted to Rupees 39,578, and the expenditure to Rupees 22,663, leaving an unexpended balance of Rupees 16,915. This great difference between grant and outlay is explained by the circumstance that a sum of Rupees 9,000 (Item No. 8-II.A., Local Fund Budget of 1875-76) appears to have been lost sight of altogether and never distributed, and by the fact that certain allotments, aggregating Rupees 7,915, were unexpended in the southern, central and northern ranges.

The grant and outlay under General Funds were distributed as follows:—

—	Grant.			Outlay.			Saving.			Excess.		
Original Works.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Civil Buildings	18,394	0	0	14,530	14	1	3,863	1	11	...	...	...
Minor New Works.	523	9	11	327	3	3	196	6	8	...	...	...
Repairs.												
Civil Buildings and Sanitary	5,635	14	0	3,172	13	9	2,463	0	3	...	...	...
Tools and Plant	110	0	0	100	8	0	39	8	0	...	...	...
Advance to Civil Officers	5,884	14	3	4,531	10	3	1,353	4	0	...	...	...
Total ...	30,578	6	2	22,663	1	4	7,915	4	11	...	...	...

The most important of these works are—

Constructing 1st-Class Choultry at Gudur.
Do. 2nd-Class Choultry at Nellorepaliem.
Do. do. at Venkatareddipalli.
Do. do. at Chemakurti.
Do. do. at the foot of the Vemulapad Pass.
Converting the unfinished hospital and cutcherry at Ongole into an office for the Assistant Superintendent of Police.

Full details of the expenditure on, and the state of these works, in addition to the particulars specified in the two lists accompanying, will be given in the Local Fund Administration Report about to follow.

For the "extension of the East Coast Canal from Dugarazupatam to Kristnapatam"* Rupees 25,000 were provided from Provincial Funds, and Rupees 21,605 spent, which shows a saving of Rupees 3,395, as the work is reported to have been completed in May 1875, so far as to have been open for traffic. Some drainage works are still required, and some claims to compensation have still to be settled.

* Estimate, Rupees 2,87,000, sanctioned in G.O., No. 274 of 1873.

The estimate, amounting to Rupees 2,74,000, for the further extension of the canal from Kristnapatam to the Pennair, was sanctioned in January last; and the expenditure on this portion of the work to the close of 1875-76 was Rupees 25,000, which amount was also the full allotment for the year. About five miles only of this section were in progress, the work having been delayed by cholera; but more than the allotment provided might have been spent, if it had been larger. The work was being proceeded with, in anticipation of funds being sanctioned in the Provincial Budget.

G.O., No. 151, dated 21st January 1876.

8. Irrigation Works. (*a*) *Original.*—The provision under this head in the Budget was Rupees 68,500 for Extraordinary Original Works, and Rupees 92,434 for Ordinary Works—the former being the amount sanctioned for the Survapalli Project, and the latter, including Rupees 8,300, for Minor New Works. These grants were subsequently revised to Rupees 18,500 for Original Extraordinary Works, and Rupees 1,30,900, for Ordinary Works, including Rupees 7,700 for Minor New Works.

The following is a list of the Irrigation Works in progress during the year under report:—

—	Amount of Estimate.	Expenditure to the end of 1875-76.	Allotment in 1875-76.	Expenditure in 1875-76.	Expenditure + or —	Remarks.
	Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	
Pennair Anicut Extension.....	1,59,150	1,27,785 13 3	1,05,000	1,06,319 2 3	+1,319 2 3	G.O., No. 3,628, dated 27th December 1875, and G.O., No. 772, dated 27th March 1876.
Chinakraka Tank Calingulah	13,850	8,229 1 11	8,200	8,222 2 3	+ 22 2 3	Rupees 5,650 was surrendered in this office, statement, dated 29th January 1876. No orders regarding it received.
Nellore Tank Weir...	15,000	2,257 14 7	3,000	2,257 14 7	742 1 5	G. O., No. 772, dated 27th March 1876.
Cheunur Channel ...	...	1,481 0 0	...	1,481 0 0	+1,481 0 0	G. O, No 706, dated 18th March 1876.

Extension of the Pennair Anicut.—For this work an allotment of Rs 1,05,000 was sanctioned for 1875-76, and the expenditure exceeded the allotment by Rs. 1,319. It has made good progress towards completion. Nearly all the masonry and dry rubble works have been completed. The District Engineer states that the work "is progressing satisfactorily and is likely to be completed in good time before floods are likely to occur."

Chinakraka Calingulah.—Rupees 5,650, out of an allotment of Rupees 13,850, originally sanctioned for this work, were surrendered. The expenditure amounted to

Rupees 8,222. Fair progress seems to have been made; 280 feet out of a total length of 418 feet of body have been completed, and the work will, it is stated, be finished before it is required for use.

Nellore Tank Weir.—Rupees 2,258, out of a revised allotment of Rupees 3,000, were expended on this work during the year. A large quantity of materials has been collected, and the foundation excavated; but the actual construction has been deferred on technical grounds of objection to the design, which is to be revised.

Chennur Tank Channel.—The expenditure on this work consisted principally of a payment of Rupees 1,481, made on account of compensation for land. The payment was ordered in G.O., dated 9th September 1874, No. 2,556.

9. The aggregate expenditure on Agricultural, New Works, was Rs. 15,925, exclusively devoted to improvements to the Survapalli Channel in connection with the Pennair Anicut. The large sum of Rupees 1,18,280 was expended on Ordinary New Works. The outlay on the former project was small, compared not only with that of the previous years but with the grant (Rs. 18,500). Of this sum, Rs. 13,500 were allotted to compensation for land, and Rupees 5,000 to specific works in connection with the project; but the expenditure amounted to Rupees 7,421—considerably in excess of the allotment—laid out entirely, not on the specific works for which the grant of Rupees 5,000 was made, but on those connected with the general project. The latter course obviated the necessity which otherwise would have arisen of drawing away labor from the anicut works, which was not considered advisable.

10. The sum of Rupees 1,18,280 was spent on Ordinary New Works against an allotment of only Rupees 1,16,200. The following list shows the Minor New Works under execution in 1875-76:—

		Number.	Estimate.	Outlay. Up to 31st March 1875.	Outlay. In 1875-76.	Outlay. Total.	Complete.	Incomplete.
			Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
For Tanks.	Waste Weirs ...	1	1,200	425 8 0	669 15 2	1,095 7 2	1	...
	Improvements to Weirs	2	420	115 8 0	292 0 0	407 8 0	2	...
	Sluices	13	6,290	1,251 14 2	4,207 4 7	5,459 2 9	12	1
	Improvements to Sluices	1	...	... ...	8 6 1	8 6 1	...	1
	Revetments	13	3,386	1,089 2 6	1,830 14 1	2,920 0 7	10	3
For Canals and Channels.	Improvements to Regulators ...	1	117	... ...	96 6 10	96 6 10	1	...
	Distributing Works.	1	110	165 6 8	2 13 6	118 3 2	1	...
	Total ...	34	11,523	2,947 7 4	7,107 11 3	10,095 2 7	27	5

11. Irrigation Works (*c*) *Repairs.*—The expenditure on Repairs amounted to Rupees 85,342 out of an allotment of Rupees 84,000. The number and description of the works repaired, and the cost of such repairs, were as follows:—

Description of Works.	Number in District.	Number repaired	Outlay. Rs. A. P.
Anicut (Weirs)	1	1	10,517 7 0
Minor Anicut (Weirs) ...	6	1	875 1 0
Embankments or Dykes ...	2	1	5,076 10 5
Main channels	2	2	3,118 6 6
Distributaries	31	28	16,288 6 8
Tanks...	734	162	49,466 6 5
Total ...			85,342 6 0

This outlay of Rupees 85,342, which is considerably less than that of the previous year, was distributed on the following works:—

		Rs.
(1)	On the Pennair Anicut...	10,517
(2)	On the Southern Delta of Pennair, including Survapalli section	2,591
(3)	On Jaffer Sahib's Channel	140
(4)	On the Pennair embankment	4,970
(5)	On works not under the influence of the Pennair	67,124
	Total ...	85,342

The irrigation repairs in the Pennair Delta amounted, it will thus be observed, to Rupees 13,108, of which Rupees 10,517 were expended on the anicut.

12. *East Coast Canal Repairs.*—Rupees 5,100 were sanctioned in the Canal Fund Budget as the maintenance grant for the portion of the canal between the Pulicat Lake to the Kundlairu (51 miles). Of this amount, Rupees 5,054 were expended. Forty-six miles of the canal are reported to have been kept in good order throughout the year.

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

	Expenditure. Rs.
Sub-Division	5,000
Head Assistant's Division	4,004
Naidupett Division	2,734
Collector's do.	73,604

11. Irrigation Works (*c*) *Repairs.*—The expenditure on Repairs amounted to Rupees 85,342 out of an allotment of Rupees 84,000. The number and description of the works repaired, and the cost of such repairs, were as follows :—

Description of Works.	Number in District.	Number repaired	Outlay.		
			RS.	A.	P.
Anicut (Weirs)	1	1	10,517	7	0
Minor Anicut (Weirs) ...	6	1	875	1	0
Embankments or Dykes ...	2	1	5,076	10	5
Main channels	2	2	3,118	6	6
Distributaries	31	28	16,288	6	8
Tanks...	734	162	49,466	6	5
Total ...			85,342	6	0

This outlay of Rupees 85,342, which is considerably less than that of the previous year, was distributed on the following works :—

		RS.
(1)	On the Pennair Anicut...	10,517
(2)	On the Southern Delta of Pennair, including Survapalli section	2,591
(3)	On Jaffer Sahib's Channel	140
(4)	On the Pennair embankment	4,970
(5)	On works not under the influence of the Pennair	67,124
	Total ...	85,342

The irrigation repairs in the Pennair Delta amounted, it will thus be observed, to Rupees 13,108, of which Rupees 10,517 were expended on the anicut.

12. *East Coast Canal Repairs.*—Rupees 5,100 were ...ed in the Canal Fund Budget as the maintenance grant for the portion of the ...between the Pulicat Lake to the Kundlairu (51 miles). Of this amount, Rupees ...54 were expended. Forty-six miles of the canal are reported to have been kept in good order throughout the year.

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

	Expenditure.
	RS.
Sub-Division	5,000
Head Assistant's Division	4,004
Naidupett Division	2,734
Collector's do.	73,604

14. Subjoined is the usual 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 1875-76.		Expenditure under the Public Works Department during 1875-76 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.	PER CENT.
Gudur	51,559	2,21,902	2,684	9,227	11,911	4	5½
Rapur...	6,250	31,170	1,918	2,735	4,654	8½	14½
Nellore	92,671	5,23,409	3,921	39,519	43,440	7½	8½
Atmakur	14,709	84,230	1,444	6,638	8,082	8	10
Kavali	26,675	1,17,732	8,489	2,531	11,020	2	9½
Udayagiri	2,587	12,522	612	1,473	2,085	11½	16½
Ongole	3,433	18,798	...	177	177	1	1
Kandukur	14,351	77,815	...	4,821	4,821	6½	6½
Kanigiri	816	3,069	...	...	...	...	...
Total ...	213,081	1,090,647	19,069	67,121	86,193	...	...
Expenditure on the Pennair Anicut distribution over two taluqs	...	...	1,06,319	10,517	1,16,836	...	...
Expenditure on improvements to Survapalli Channel in connection with Nellore Anicut ...	...	...	15,925	2,591	18,516	...	...
Jaffer Sahib's Channel ...	...	...	...	140	140	...	...
Kistnapatam Canal ...	...	...	...	...	...	...	...
Pennair embankment ...	...	...	4,498	4,970	9,468	...	...
Total ...	...	...	1,26,742	18,218	1,44,960	...	...
Grand Total ...	231,804	1,090,647	1,45,811	85,342	2,31,153	8	21

15. The expenditure to the end of the year under report on the Survapalli Project —(estimated cost, Rupees 4,20,060)—was Rupees 4,16,167. There is little to add to previous reports on this undertaking. The works originally proposed have been nearly completed. Those executed during the year were as follows :—

1*st*.—Reconstruction of a portion of the revetment of the main reservoir;

2*nd*.—Constructing two tunnels and two irrigation sluices in the Golagamudi Channel;

3*rd*.—Improving 1,245 running yards of the main drain; and

4*th*.—Improving the Pantapalem Drainage Channel.

16. *Civil Buildings and Communications.*—*(a) Original.*—The expenditure on Buildings and Communications amounted to Rupees 76,239 (including Rupees 149 for Tools and Plant), viz., Rs. 74,157 on Original Works, and Rupees 1,933 for Repairs, against a net allotment of Rupees 79,673 provided for the year in the Provincial

Budget. The outlay was thus short of the allotment by Rupees 3,434. This was principally on account of the section of the East Coast Canal between Dugarazupatam and Kristnapatam, which was reported finished, with a saving of Rupees 2,524.

17. Out of the sum of Rupees 74,157, expended on New Works, Civil Buildings, &c., Rupees 46,605 were spent on the extension of the East Coast Canal, and Rs. 3,000 on the construction of the salt road from Koppolu to Biramgunta, the balance, Rupees 24,552, being spent on the construction and improvement of the following twenty-two works, or in adjusting payments for materials collected :—

		RS.	A.	P.
(1)	Providing windows for the Collector's Cutcherry	60	0	0
(2)	Compensation for compound wall of do.	236	4	0
(3)	Improving Taluq Cutcherry at Gudur	917	0	5
(4)	Constructing 2nd-Class Cutcherry at Venkatagiri	1,461	0	6
(5)	Do. do. at Sulurpett	2,657	11	8
(6)	Providing supports for Record-room of Gudur Taluq Cutcherry	43	6	0
(7)	Improving the Station-house at Venkatachellam Chuttrum	298	10	10
(8)	Constructing Police Station-house at Indukerpett	855	3	4
(9)	Do. do. Nayadu Chuttrum ...	755	8	5
(10)	Do. Hospital at Nellore...	3,999	9	6
(11)	Constructing Taluq Cutcherry at Atmakur	4,092	2	1
(12)	Do. do. at Rapur	2,999	7	0
(13)	Do. do. at Udayagiri	3,250	8	8
(14)	Constructing Sub-Collector's Cutcherry at Ongole... ...	267	6	2
(15)	Do. Police Station-house at Ojili	68	14	1
(16)	Do. Police Lines at Ojili	360	1	1
(17)	Converting old Taluq Cutcherry at Ongole into District Munsif's Court-house	214	14	3
(18)	Constructing Police Lines at Tupili...	462	15	11
(19)	Reconstructing the Station-house at Velampalli	826	6	0
(20)	Constructing a Gate to the Cemetery at Ongole	25	15	9
(21)	Alterations and additions to the old Court-house at Ongole	472	6	0
(22)	Improvements to the prison walls of the existing Taluq Cutcherry at Ongole	511	9	8
	Total ...	24,552	5	8

The most important New Works were—

The Taluq Cutcherry at Gudur.
Do. at Rapur.
Do. at Atmakur.
Do. at Udayagiri.
The Sub-Magistrate's Cutcherry at Venkatagiri.
Do do. at Sulurpett.
Sub-Collector's Cutcherry at Ongole.
District Munsif's Court at Ongole.
Police Hospital at Nellore.
Koppulu Salt road, and the East Coast Canal.

18. The following buildings were completed since the last report:—

(1) District Munsif's Court at Ongole. (This work was completed in 1874-75, and the expenditure last year was for work done in the previous year).
(2) Station-house at Venkatachellam's choultry.
(3) Police Station-house at Indukurpett.
(4) Do. at Nayadu Chuttrum.
(5) Do. at Ojili.
(6) Police Lines at Ojili.
(7) Station-house at Velampalli.

The Police Hospital, Nellore, was nearly completed.

The total amount spent on new Provincial buildings out of an allotment of Rupees 24,566 was Rupees 24,553, which, though nearly up to the allotment, is very considerably below the previous year's expenditure.

19. (C)—Repairs.—Rupees 2,082 (including Rupees 149 for Tools and Plant) were expended on repairs during the year on the following ten works, of which six were completed and four left incomplete:—

		Rs.	A.	P.
(1)	Repairing Collector's Cutcherry at Nellore	399	12	6
(2)	Do. Accountant's Cutcherry and Record-room ..	663	14	0
(3)	Putting a new vally rafter in the roof of the jail	187	8	10
(4)	Hutting money paid to 2nd-Class Hospital Assistant ...	12	0	0
(5)	Repairing the "Captains" Bungalow at Iskapalli... ...	282	9	8
(6)	Do. Christ's Church, Nellore	218	3	8
(7)	Improving and altering portions of the Engineer's Store-yard, Nellore	99	15	0
(8)	Repairing Tahsildar's Cutcherry at Ongole	65	1	0
(9)	Altering late Police Station-house, Ramayapatam ...	1	4	6
(10)	Repairing Armeghon Light House	2	8	0
	Total ...	1,932	13	2

Nos. 1, 2, 7, and 10 in the above list were incomplete at the close of the year.

20. *Convict Labor Fund.*—The total grant under this head amounted to Rupees 14,229, and the expenditure to Rupees 10,393, leaving an unexpended balance of Rupees 3,836, the short expenditure having occurred on the Venkatagiri and Kavali Cutcherries and the Kandukur Sub-jail.

The works in progress were—

		Rs.
(1)	The Sub-jail at Gudur, including Kitchen and Latrine	1,986
(2)	Cook-room and Latrine for Prison ward at Venkatagiri	293
(3)	Do. do. at Sulurpett	142
(4)	Constructing Sub-jail of two wards, with out-buildings, &c., for Taluq Cutcherry at Kavali	2,271
(5)	Constructing Sub-jail at Kandukur	1,962
(6)	Do. do. at Podili	3,731
	Total ...	10,393

Good progress is believed to have been made not only on the above works, but indeed on Civil buildings generally during the year under report.

Proceedings of the Madras Government, Public Works Department,
30th October 1876. *No.* 2,903.

21. *Chundi Estate.*—Very little appears to have been done with reference to works on this estate. The grant for the year was Rupees 14,127; but the expenditure amounted to Rupees 6,271 only, leaving the large balance of Rupees 7,856 unspent. No reason is assigned for this small outlay. Of Irrigation works, fifteen tanks were repaired, (the estimates of which included two masonry works also), and seven sluices and calingulahs were built during the year.

Public Works in connection with this estate were handed over to the Public Works Department for execution in July 1873.

22. Annexed is a summary showing at a glance the allotments and expenditure under each head of service during the year under report:—

Heads.	Allotments.	Expenditure.
Imperial.	Rs.	Rs. A. P.
Ordinary	2,16,481	2,16,175 6 11
Extraordinary	18,500	15,924 12 5
Provincial...	79,673	76,239 7 4
Convict Labor Fund ...	14,229	10,393 7 1
Chundi Estate	14,127	6,271 2 1
Total ...	3,43,010	3,25,004 4 8

If the Local Fund figures were added, the total allotments would be, in round numbers, Rupees 6,26,800 (revised grant Rupees 5,54,600), and the expenditure Rupees 5,08,200. The outlay is therefore Rupees 1,18,600 short of allotments, and Rupees 46,100 short of what was expected by the District Engineer. This is attributed to insufficiency of skilled labor and establishment, cholera, and in a few cases to bad management.

These figures, however, compare favorably with the previous year's operations.

23. State of Season, Prices and Labor.—The season was unfavorable, being unusually dry and unhealthy; cholera was rife for many months of the year. The total rainfall was only 26·49 inches against 44·32 inches in the preceding year, showing decrease of 17·83 inches. The tanks received a very small supply of water. Wet crops almost entirely failed through a great part of the district, but the yield from unirrigated lands is reported to have been fair on the whole. There were no extra-ordinary freshes during the year, the highest in the Pennair (on the 1st October) having been only four feet above the crown of the anicut.

Prices.—In spite of such an unfavorable season, the rates of the staple food grains, cholum and sudja, were lower than, while varagu was the same as those of the preceding year, and prices generally were fair in almost every taluq, the harvest having been as good as in the preceding years.

Labor.—Little or no information is available about rates of materials and labor. The District Engineer reports that the price of teak timber and skilled labor, such as that of carpenters and blacksmiths, rose considerably, the rates of other descriptions of labor having been stationary.

24. The usual statement of mileage on roads, directed to be furnished in G.O., dated 11th November 1868, No. 2,831, is enclosed, and subjoined is an abstract of the same :—

	Miles.
Great Northern Road...	179
Road from Ongole to Cumbum	62
Do. Kistnapatam, *via* Nellore to Cuddapah	73
Do. Ullapalem to Cumbum *via* Venulapad Pass ...	60
District Roads	316
Total ...	690

25. The reports of Divisional Officers on Public Works executed in their divisions have been received; but copies of them are not forwarded, as hitherto, in accordance with the Board's Circular Memorandum, dated 7th December last, No. 2,044. It appears from them that the roads of the district are generally in good order. The General Deputy Collector brings to notice (1) the want of a bridge across the Saidapuram River, and (2) the incomplete state of the road between Rapur and the Rapur Ghaut. Both these points deserve notice, and the District Engineer's attention will shortly be drawn to the matter.

26. In conclusion, I should record that having only taken charge of the district on the 10th April last, I am unable to give any opinion from personal knowledge either as to the nature of the work done by the Public Works Department or the efficiency of the members of the department serving in this district during the year under notice.

Enclosures Nos. 1 to 3.—Statements.

Submitted for the information of Government.

2. Upon the extension of the East Coast Canal the sum of Rupees 46,605 was expended during the year, and upon the Pennair anicut Rupees 1,06,319. A Budget provision of Rupees 68,500 was made for the Survapalli Project, but the allotment was subsequently reduced and the total outlay for the year was only Rupees 15,925.

3. The expenditure of Local Funds appears to have been satisfactory.

4. Referring to paragraph 21 of the report, the Collector will state whether it is necessary that the works of the Chundi Estate should continue to be managed by the Public Works Department.

5. The Collector (paragraph 25) appears to be in favor of completing the road between Rapur and the ghaut of that name; unless the ghaut could be opened, which would be a very expensive work, the advantage of completing the road to the foot would be comparatively small.

(A true Copy and Extract.)

(Signed) E. GIBSON,
Acting Sub-Secretary.

No. 495.

Order thereon, 30th October 1876, No. 2,908.

ESTABLISHMENT, No. 36.

Communicated to the District Engineer, Nellore.

2. The Board of Revenue do not appear to be aware that the Rapur Ghaut was laid out as a carriage road and partially opened, on a grant of Rupees 1,000 a mile, in the year 1853-54, since which date it is believed that more money has been expended on it. It might not therefore be an unprofitable outlay of funds if, as proposed by the Deputy Collector, steps were taken for perfecting the communication from the south of the Nellore District by the Rapur Ghaut and Chitiwail with the Railway stations of Rajampett and Reddypully.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Nellore.
,, Chief Engineer for Irrigation.
,, Consulting Engineer for Railways.

Exd. E. C. Shunker.
Spare Copies

No. 2908 Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

15

UNDER date the 30 Oct 76

Read the following:—

Proceedings of ~~the~~ as full Board of Revenue (H.E. No. 2491 d/ 3rd Oct. 1876)

Communicated to the District Engineer Nellore.

2. The Board of Revenue do not appear to be aware that the Rapur Grant was laid out as a Carriage Road and partially opened, on a grant of Rs 1000 a mile, in the year 1853-54; since which date it is believed that more money has been expended on it. It might not therefore be an unprofitable outlay of funds, if, as proposed by the Deputy Collector, steps

Steps were taken for perfecting the communication from the South of the Nellore District by the Rapur Ghaut and Chitwail with the Railway Stations of Rajampett and Reddypully.

G.W.W.

549

Govt. of 1876 Madras.

PUBLIC WORKS.

To the D. C. Nellore

Dated

Issued

Recd. Encl.

G. O., 30th October 1876, No. 2908

Nos. 494/5

Report on Public Works in 1875-76, Nellore Dist. Pros: Board of Revenue Submitting Collector Communicated to the Dist. Engr. with remarks.

Sent in Reg.
16-11-76