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MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 2642

Press
Mis-

17-78

Dated 4-11- 1870.

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*Proceedings of the Madras Government, Public Works Department,
4th November 1870.*

No. 77. Read the following Proceedings of the Board of Revenue, dated 17th September 1870, No. 5,776:—

Read the following letter from the Officiating Collector of the Kistna District, to the Acting Secretary to the Board of Revenue, dated Masulipatam, 30th July 1870, No. 3,631.

I HAVE the honour to submit the report on the operations of Public Works in this district for the official year 1869-70.

2. The imperial allotment sanctioned in the Budget for 1869-70 was Rupees 4,78,631. Adding to this Rupees 31,777 subsequently sanctioned by the Government, and deducting from the total Rupees 1,88,560 transferred to other districts, the net amount in the district was Rupees 3,21,848. From a copy of the Superintending Engineer's Administration Report furnished to me, I gather that an additional allotment of Rupees 31,777 was subsequently sanctioned, and Rupees 1,88,560 transferred to other districts. These modifications left Rupees 3,21,848 for expenditure within the district.

3. The expenditure, according to the Progress Reports received from the Range Officers, was Rupees 3,17,637-11-1 during the official year 1869-70, as detailed in the following statement in comparison with the results of the year which preceded it:—

Items.	Expenditure, 1868-69.	Expenditure, 1869-70.	COMPARISON.			
			Increase.		Decrease.	
1	2	3	4	5		
<i>New Works.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.		
Agricultural ...	2,16,833 0 0	1,49,518 0 0	.....	67,315 0 0		
Communications ...	20,191 0 0	37,573 8 5	17,382 8 5	.....		
Buildings ...	34,313 0 0	5,494 1 3	.....	28,818 14 9		
Total...	2,71,337 0 0	1,92,585 9 8	17,382 8 5	96,133 14 9		
<i>Repairs.</i>						
Agricultural ...	61,773 0 0	77,639 0 11	15,866 0 11	.....		
Communications ...	40,101 0 0	29,838 7 9	.....	10,562 8 3		
Buildings ...	3,706 0 0	2,467 9 0	.....	1,238 7 0		
Total...	1,05,880 0 0	1,09,945 1 8	15,866 0 11	11,800 15 3		
<i>Miscellaneous Public Im-</i>						
<i>provements</i> ...	355 0 0	4,267 8 0	3,912 8 0	.....		
Tools and Plant ...	6,122 0 0	50 9 0	.....	6,071 7 0		
Miscellaneous Advances, etc.	5,667 0 0	10,783 14 9	5,121 14 9	.....		
Total...	12,144 0 0	15,106 15 9	9,034 6 9	6,071 7 0		
Grand Total...	3,89,361 0 0	3,17,637 11 1	42,283 0 1	1,14,006 5 0		
Net decrease...	.....	.....	.....	71,723 4 11		

4. I shall now proceed to notice the several items.

5. The results thus arrived not corresponding with the figures entered in the Administration Report, the Superintending Engineer was addressed regarding the differences. This Officer does not appear to be able to trace out the differences without putting himself in communication with the Range Officers, and has accord-

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ingly just requested me to supply him with the particulars of the amounts given by me. As I am afraid this will take some time, I have deemed it proper to submit my report to the Board without further delay. Probably the difference is due to the Superintending Engineer's report embracing the audited results, whereas the Progress Reports furnished to me do not contain the subsequent alterations. If the Executive Engineers were instructed to furnish the Collector, at the end of each year, with a correct Progress Report noticing the differences, my report to the Board could be submitted at a much earlier date, and with greater accuracy in the figures.

6. The Government of India having summarily struck off Rupees 14½ lacs from the ordinary grant for Public Works in this Presidency, the allotment for this district under Repairs, Agricultural, was reduced from Rupees 1,00,000 to Rupees 70,000 for the year 1869-70. The expenditure now taken from the Range Progress Reports exceeded this amount by Rupees 7,639-0-11. In the copy of the Administration Report received from the Superintending Engineer, the expenditure upon repairs of irrigation works is stated to be Rupees 69,982, including the repairs to the Kistna Anicut as detailed in the margin. I have requested the Superintending Engineer to explain the differences.

		RS.
Irrigation works	...	59,816
Anicut repairs	...	10,166
Total...		69,982

7. In the last year's report the decrease in the irrigated area of the Delta Talooks for Fusly 1278 was estimated at Acres 18,958. From the Jummahbundy accountssincepreparedtheactualdecrease wasascertained to amount to Acres 19,303, or 14 per cent. on the occupation* of Fusly 1277. The bulk of this, namely, Acres 10,393, bearing an assessment of Rupees 57,803, appertains to Gudiwada Talook, and the rest to Repalli and Bapatla Talooks. This untoward result is attributable to the price of paddy having considerably fallen in the months of February and March 1868 (the ryots' usual selling months), and to some lands having turned saline and unprofitable. The subsequent rise in prices has had the effect of inducing the ryots to re-take a large extent of land in Fusly 1269, (1869-70) as detailed in the following comparative statement:—

* Acres 1,36,691.

Fuslies.	Land.	Assessment.	Water-rate on Agrah-rams and Zemin-daries.	Total.
1	2	3	4	5
	ACRES.	RS.	RS.	RS.
1278 ...	1,17,391	6,60,241	1,41,000	8,01,241
1279 ...	1,31,752	7,19,928	1,41,000	8,60,928
Difference...	14,361	59,687	...	...

8. Since the construction of the Kistna Anicut and its subsidiary works, the extent of dry converted into wet under their influence from Fusly 1265 to 1278 was, on an average, Acres 42,172, bearing an assessment of Rupees 2,19,283 plus the water-rate a year, as detailed in the following summary. Gudiwada and Bapatla Talooks in the delta were the first to benefit by Anicut Channels, and the others followed subsequently. The cultivation of dry land converted into wet was highest during Fusly 1277, namely, Acres 68,963, bearing an assessment of Rupees 3,94,226.

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Fuslies.	BANDAR TALOOK.		GUDIWADA TALOOK.		BEZWADA TALOOK.		REPALLI TALOOK.		BAPATLA TALOOK.		TOTAL.	
	Land.	Assessment.	Land.	Assessment.	Land.	Assessment.	Land.	Assessment.	Land.	Assessment.	Land.	Assessment.
1	2	3	4	5	6	7	8	9	10	11	12	13
	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.	ACRES.	RS.
1265 ...	...	...	2,131	2,339	...	...	...	...	4,737	1,896	2,449	4,235
1266 ...	...	...	4,851	6,814	257	603	305	3,959	7,257	28,326	10,150	39,702
1267 ...	...	...	5,086	7,367	1,191	2,939	3,494	19,972	7,444	42,154	17,076	72,566
1268 ...	...	...	5,833	10,071	3,127	14,652	9,139	52,039	8,505	44,652	25,570	1,21,464
1269 ...	...	...	6,180	17,512	2,679	10,918	18,120	1,03,742	7,451	50,614	35,504	1,82,826
1270 ...	...	...	5,559	15,989	2,372	9,501	18,242	1,03,751	7,197	44,474	33,643	1,73,754
1271 ...	...	...	6,957	21,142	2,832	12,305	21,534	1,21,071	9,062	43,021	38,539	1,97,590
1272 ...	...	...	8,827	28,929	3,270	14,951	24,771	1,35,690	10,652	48,163	45,971	2,27,834
1273 ...	...	...	11,834	33,763	3,756	17,100	34,755	1,79,683	12,567	63,059	61,039	2,93,744
1274 ...	...	...	14,337	53,051	3,829	17,488	33,337	1,74,096	12,888	73,421	64,113	3,18,220
1275 ...	...	...	16,038	68,279	4,016	22,554	32,563	1,79,410	12,762	74,754	65,546	3,45,175
1276 ...	...	...	14,101	83,419	4,272	23,937	31,775	1,79,213	15,062	73,973	62,911	3,60,547
1277 ...	...	...	15,418	91,055	4,030	22,711	34,450	1,94,133	11,609	86,311	68,963	3,94,226
1278 ...	...	...	14,603	86,253	4,078	22,828	28,647	1,61,352	1,27,511	67,632	58,941	3,38,081
Total...	308	870	1,31,755	5,25,983	39,709	1,92,547	2,91,132	16,08,114	1,27,511	7,42,474	5,90,415	30,69,964
Average...	26	73	9,411	37,570	3,055	14,811	22,935	1,23,701	9,108	53,032	42,172	2,19,283

9. In their Proceedings, dated 5th August 1868, No. 5,679, the Board of Revenue gave to the cultivators "of dry land converted into wet" the option of refusing irrigation during the ensuing two years. The late Acting Collector, Mr. McQuhae, held that this option could be granted for conversions made from Fusly 1275, or the year in which the Tiruvajasti rules came into operation. The Board subsequently having explained that their concession was applicable to all lands converted from dry into wet from the time the Anicut Channels came into play, a Notification was issued in the *District Gazette* of 26th June 1869, intimating to all ryots and inamdars, etc., that they were at liberty to refuse irrigation, up to the close of Fusly 1279, for all dry lands converted into wet under Kistna Channels without the necessity of obtaining certificates from the Department Public Works.

10. The extent of land for which irrigation was refused, up to 30th September 1869, was Acres 10,119, both Government and Inam. The probable amount of water-rate thereon was Rupees 40,476.

11. The expenditure under this head amounted to Rupees 1,49,518 in the year under report, against Rupees 2,16,833 in 1868-69. The decrease of Rupees 67,315 is owing to the reduction of allotments for Agricultural works.

Agricultural New Works.				RS.
1868-69...	...	...	...	2,16,833
1869-70...	...	...	...	1,49,518
Difference...				67,315

12. The following statement exhibits the particulars of expenditure. The important works have been separately

shown, the remainder being clubbed together as Minor New Works.

Names of Works.	Estimate.	Expenditure up to last year.	Expenditure in the year 1869-70.	Balance.
1	2	3	4	5
	RS.	RS.	RS.	RS.
1. Channel from Ramarajupalem towards Gokavaram ...	14,050	10,384	3,609	56
2. Side Irrigation Channel from Duggerala to Nizampatam ...	51,857	40,694	11,326	2,836
3. Enlarging the head of Sitanagaram Canal ...	2,76,400	1,98,819	3,860	74,221
4. Constructing first-class Lock at Duggerala Lock ...	33,570	40,519	1,202	9,889
5. Constructing Lock Calingulabs at Jagarlamudy with bridge on the Commamoor Channel ...	18,040			
6. Channel from Vallabhapuram to tide-water.	1,39,790	1,20,215	17,679	6,134
7. Branch Channel and Subsidiary works from Western Bank Channel ...	6,779	5,719	...	
8. Enlarging Main Canal from Sitanagaram to Duggerala ...	2,76,400	1,41,974	3,861	1,30,565
9. Enlarging Pullair from Kunkipad to the head of Polrajukodu ...	27,800	13,470	7,496	6,834
10. Constructing sluice and bridge at the head of alternative line ...	13,000	4,821	6,891	1,293
11. Excavating new channel from the head of alternative line including compensation.	2,79,880	26,054	27,916	2,25,910
12. Widening Pullair above Pamurru ...	17,000	12,890	5,778	1,663
13. Irrigation Channel on the west side of Masulipatam Canal, from 18th mile to Ankumuru ...	49,860	11,110	4,410	34,339
14. Continuation of Commamoor Channel from 28th mile to the road leading from Inkololu to Chinna Ganjam with subsidiary works ...	1,90,090	1,53,378	16,063	20,707
Minor Works ...	...	...	39,423	...
Total...	...	...	1,49,518	...

13. Ramarazupalem Channel has been completed with the necessary masonry works. Measures have been adopted to ascertain the extent of dry land that can be converted into wet both in the Proprietary and Government villages. The Branch Channel required by Jingarce Jaghiredar, referred to in the last year's report, was completed at his own cost. The dry lands in his estate will be irrigated hereafter, and the usual water-rate will be levied. The side channel from Duggerala to Nizampatam has been completed, with the exception of a few masonry sluices, which are now in progress. The enlargement of the head of Sitanagaram Main Canal did not progress well, owing to the channels having been full for a long time. The Duggerala first-class lock has been completed. From the Progress

	Estimate.	RS.
1. Channel from Vallabhapuram to tidal water ...	1,39,790	...
2. Branch Channel and subsidiary works from Western Bank Channel to Kollipara...	6,779	...
Total...	1,46,479	...

Report of the 1st Range, it appears that the allotment for the two works noted in the margin was Rupees 17,000 for the year 1869-70, and that the expenditure amounted to Rupees 17,679, or Rupees 679 in excess of the allotment. A sum of Rupees 17,679 was expended during the year upon the Vallabhapuram Channel. Adding to this the previous expenditure, Rupees 1,29,215, the total exceeds the sanctioned estimates by Rupees 6,134. The work is reported to have been stopped.

14. Pamurru is one of the three channels referred to in a letter, dated 9th October 1868, No. 87, to the Chief Engineer for Irrigation and Joint-Secretary to Government, from the late Superintending Engineer, 2nd Division, recorded in the Government Order of the date and

In 1868-69, Department Public Works. number noted in the margin. It was observed by Colonel Winscom in this report that not one acre of land was cultivated under Pamurru Channel.

15. In the year 1862 when estimates for the execution of this work were under contemplation, it was expected that the project would irrigate fifteen villages in the Gudiwada Talook, and yield a water-rate of Rupees 11,192 exclusive of the dry assessment which may be levied on lands profited by the channel.

Name of the branch.	Names of Villages.	Extent of dry land proposed to be converted into wet.	Water cess, at 4 Rupees an acre.
Pamuru Branch Channel.			RS.
	1. Bommalur ...	75	300
	2. Rimmanapudi ...	150	600
	3. Kondiparru ...	100	400
	4. Polimetla ...	100	400
	5. Komaravole ...	260	1,040
	6. Ramanapudi ...	400	1,600
	7. Chinna Yerukapadu ...	100	400
	8. Valapur ...	200	800
	9. Siddantam ...	154	616
	10. Kalavapudi ...	100	400
	11. Kuchakayalapudi ...	314	1,256
	12. Ainampudi ...	270	1,080
	13. Cherichintala ...	150	600
	14. Nujella ...	357	1,428
	15. Dintakurru ...	68	272
Total...		2,798	11,192

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16. The excavation of this Branch Channel commenced from the bridge on the old Pullair at Pamurru village, and was carried as far as Bommalur village situated to the south-east of Gudiwada village. Though the channel was completed in 1864-65, it could not be made to irrigate, as the proposed lock near Pullair had not been completed. A considerable part of the new channel has since silted up. Minor branches from this main channel to the villages enumerated in the above statement have still to be excavated. The ryots of the said fifteen villages are ready to undertake wet cultivation if the channel and its subsidiary works are completed. This channel passes for a short distance through the Nuzwid Zemindary after leaving Pamurru; it is probable that irrigation might be extended in that direction. The channel should at all events be completed at an early date, and funds immediately provided for it, otherwise the expenditure already incurred will have been wasted by the annual loss of revenue in the shape of water-rate.

17. In the talooks of Gudiwada, Repalli, and Bapatla, there are Acres 1,06,647 of waste land fit for wet cultivation if the irrigation is extended. The revenue expected therefrom is roughly calculated at Rupees 5,28,083. Some of the villagers in Repalli Talook have tendered proposals to take up nearly 8,000 Acres of land in the swamp of Ullaparru village if new Branch Channels are provided for it. One of these applications was referred to the Superintending Engineer for his opinion. There are various channels, the early excavation of which would materially augment the revenue; but the Superintending Engineer states that he is precluded from submitting any estimate for these works, as they form parts of large schemes which must be submitted as a whole.

18. The expenditure under this item shows an increase of Rupees 15,866.

Agricultural Repairs.

	RS.
1868-69...	61,773
1869-70...	77,639
Difference...	15,866

The Kistna Anicut was repaired at a cost of Rupees 10,166. The Main Canals were cleared at a cost of Rupees 22,068. The sum laid out upon repairs of other irrigation works was Rupees 37,749. The number of irrigation works which

have been repaired during the year are the following:—

	No.
Tanks...	117
Main Canals ...	8
Branch Channels ...	171
Locks ...	9
Sluices...	10
Calingulabs ...	5
Anicut ...	1
Drainage Channels ...	10

19. With reference to paragraphs 4 and 5 of the Board's Proceedings 31st August 1869, No. 6,510, I beg to state, for the information of the Board a list of tanks in the upland talooks which have been left unrepaired, Department Public Works, on the ground that the cost of repair would exceed the highest year's revenue obtainable from the lands irrigated, was for ...

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Superintending Engineer with a request to order estimates to be prepared, and to forward them to me to compare the amounts with the annual beriz of each tank.

20. Under this head there was an increase of Rupees 17,382 over and above the expenditure of the year 1868-69.

<i>New Works, Communications.</i>		RS.
1868-69...	...	20,191
1869-70...	...	37,573
Difference...		17,382

Nearly 34,000 Rupees were expended upon the great northern road from Madras to Calcutta. Earthwork to the extent of 30 miles is said to have been completed. About 1,650 Rupees were

spent upon the improvement of the road from Masulipatam to Hyderabad. It is needless to expatiate upon the importance of these roads, which are the only ones maintained from Imperial Funds. The roads in their present condition seriously obstruct the progress of traffic. In this district, where the soil is clayey or loose, earth roads are simply useless. We must have these roads well metalled and funds should be amply provided. In my letter, dated 29th July 1869, No. 232, I pointed out the immediate necessity of re-making a portion of the road from Masulipatam which has been in Masulipatam so completely destroyed as not to leave any trace of its former existence. The cotton of the upland talooks which finds its way to the port has to be taken along this so-called road. Unless this road is immediately put in order, the trade will seriously suffer.

21. The decrease of Rupees 10,562 under this head was due to the curtailment of the Budget grant and the consequent postponement of several works. The

Repairs.

	RS.
1868-69...	40,401
1869-70...	29,838
Difference...	10,562

number of miles of principal roads and navigable canals kept in order during the year is specified in the following statement:—

Roads.	Number of miles kept in repair.	Expenditure in 1869-70.
		RS. A. P.
1. Road from Masulipatam to Hyderabad frontier	114	23,127 8 7
2. Road from Inkollu to Chinna Ganjam	8	964 0 0
3. Road from Arugollu to Buntumilly... ..	22	1,004 11 0
4. Clearing towing paths of the Masulipatam Canal	48	565 0 8
5. Do. do. of the Ellore Canal	27	489 8 4

22. Rupees 3,685 were laid out on repairs of tunnels and other sundry works.

23. With reference to the Board's Proceedings, dated 16th December 1869, No. 9,213, I beg to subjoin a statement of imperial roads specified in paragraph 9

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of Government Order, dated 11th November 1868, No. 2,831.

No. of the road as given in para. 9 of G. O., dated 11th Nov 1868, No. 2,831.	Names of Roads.	Total length of miles in this district.	Number of miles which have been maintained in good order during the year.	Number of miles of new road completed during the year.	Number of miles under construction.	Number of miles not yet commenced.
I.	Great northern road from Madras to Bengal frontier ...	84	2	2	30	17
VI.	Mosulipatam to the Hyderabad frontier, via Bezvada ...	119	96	...	...	...
	<i>Salt Roads.</i>					
6	Aragollu to Buntumilly ...	20	16	...	...	...
7	Inkollu to Chinna Ganjam ...	10	8	...	...	...

24. A portion of the first road from Guntoor to Sitanagaram was kept in a tolerably good condition. The want of a suitable approach at the latter station near the anicut was long felt and brought to the notice of the Board. The Government having directed that an estimate may be prepared, the Superintending Engineer has been addressed on the subject.

25. Under the head of Buildings, Rupees 5,494 were expended on original works. They were chiefly improvements to existing buildings of the several departments. A commencement was made in the way of building Subsidiary Jails, but the funds having been withdrawn, the works had to be stopped and

Buildings, New Works.

	RS.
1868-69 ...	34,313
1869-70 ...	5,494
Difference...	28,819

the materials sold. In a few cases the materials are still lying upon the ground, the chunam being washed away by the rains. The only works completed are the following:—

	RS.	A.	P.
Improvement to Repalli Talook Cutcherry...	29	1	4
Erection of a shed for the use of the Principal Sudder Ameen's Court at Guntoor ...	610	0	0
Tiled shed at the Anicut Bridge ...	299	7	1
Addition of a Verandah to the Head Assistant Collector's Cutcherry ...	82	10	2

The others have been abruptly stopped for want of funds. I have already brought to the notice of the Board the utter unsuitability of the building used as the Collector's Cutcherry. Accommodation is wholly insufficient. The Government observed that they were unable to find funds. Its extension and improvement being a work of immediate necessity, I trust the requirements of this district in this respect will not be lost sight of while preparing the ensuing official year's Budget.

Repairs.

	RS.
1868-69... ..	3,706
1869-70... ..	2,467
Difference...	1,239

26. Out of an expenditure of Rupees 2,467 incurred under this head, Rupees 1,500 was expended upon the repairs of the Revenue, Judicial, and Police buildings. The remainder was on Minor Works.

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P. S.—The annexed is a transcript of the Superintending Engineer's statement just received in explanation of the

<i>New Works.</i>		RS.	RS.
Buildings	...	5,216	
Agricultural	...	1,44,917	
Communications	...	87,573	
Miscellaneous Public Improvements	...	4,418	1,92,124
<i>Repairs.</i>			
Buildings	...	2,468	
Agricultural	...	77,796	
Communications	...	29,838	
Miscellaneous Public Improvements	...	246	1,10,318
Tools and Plant	...	2,580	
Advances to Civil Officers	...	2,097	
			3,07,149
<i>As per Superintending Engineer's report.</i>			
Add—			
Difference explained	...	4,376	
Miscellaneous advances	...	10,789	15,163
			3,22,314
<i>Deduct—</i>			
Tools and Plant	...	2,570	
Advances to Civil Officers	...	2,097	4,677
			3,17,637
Net amount...			

Administration Report, to enable him to enter the correct figures in his Public Works Report, otherwise he would be dependent on the Progress Reports which are admittedly incorrect. On receiving the Administration Report, I addressed Colonel Moberly, asking him to be good enough to explain the discrepancies between the totals in the Administration Report and the Progress Reports. In furnishing me with an explanatory statement, he writes, in a letter, dated 27th July 1870, No. 137, "I beg to point out that, in sending the latter Administration Report at your request, I acted out of courtesy not thinking that you would put me to the trouble of finding out errors caused by your not accepting my accounts."

As the Superintending Engineer systematically opposes every effort of mine to obtain information or explanation from his department, which I ask for solely that I may be able to send up my accounts in a correct form, or else offers the explanation with such a bad grace as he has done in the present instance, I beg to request instructions as to whether I am to accept the Progress Reports in future without question as the basis of my Annual Report, or whether I am to enter (equally without inquiring into the discrepancies between it and the Progress Reports) the figures of the Superintending Engineer's Administration Report. Otherwise I trust that Government will be pleased to issue definite instructions to the Superintending Engineer to furnish me with such information or explanation as I may require from time to time without perpetually raising the question of my right to seek the same.

(Signed) J. A. C. BOSWELL,
Officiating Collector.

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Explanatory Memorandum.

Items.	As per Collec- tor's abstract statement.	Correct amount as per Superin- tending Engi- neer's Adminis- tration Report.	Increase to column 3.	Decrease to column 3.	Remarks.
1	2	3	4	5	6
<i>New Works.</i>	<i>RS. A. P.</i>	<i>RS. A. P.</i>	<i>RS. A. P.</i>	<i>RS. A. P.</i>	
Buildings ...	5,494 1 3	5,215 0 0	*278 8 0	.....	* This is a recovery in 2nd Range, not expenditure. † This item is part of Rupees 54,926-15-3 in 6th Range, not in addition to it as supposed by the Collector. ‡ This is an expenditure under Tools and Plant in 3rd Range, and should be transferred to that head. The correct expenditure under this head was Rupees 4,417-14-3, and not Rupees 4,117-14-3 as entered by the Collector—Vide 7th Range Officer's Progress Report for March 1870.
Agricultural ...	1,49,515 0 0	1,44,917 0 0	†1,601 6 2	.....	
Communications ...	37,573 8 5	37,573 0 0	.....	.....	
Tools and Plant ...	50 0 0	.....	‡50 0 0	.....	
Miscellaneous Public Improvements.	4,117 14 3	4,415 0 0	.....	300 0 0	
Total...	1,96,753 7 11	1,92,121 0 0	4,632 14 2	300 0 0	
<i>Repairs.</i>					
Buildings ...	2,467 9 0	2,463 0 0	.....	.....	§ This sum appears to have been deducted by Collector a second time from Rupees 32,800-12-0, the net expenditure in 6th Range. || This is a bona fide expenditure on the repairs of river embankment between Bez- wara and Ibrampatam, and should be charged to Miscellaneous Public Improvements and not to Miscellaneous Advances as was shown by the Collector.
Agricultural ...	77,639 0 11	77,796 0 0	.....	§156 11 0	
Communications ...	29,838 7 9	29,838 0 0	.....	.....	
Miscellaneous Public Improvements.	119 9 9	216 0 0	.....	|| 97 2 1	
Total...	1,10,091 11 5	1,10,318 0 0	.....	251 0 1	
Grand Total...	3,06,848 3 4	3,02,472 0 0	4,930 0 0	554 0 0	
Deduct...	4,376 0 0	.....	4,376 0 0	.....	
	3,02,472 0 0	3,02,472 0 0	.....	.....	
Correct expenditure on Public Works as above.	.....	.....	.....	3,02,472 0 0	
Expenditure on Tools and Plant, advances to Civil Officers.	.....	.....	.....	2,580 0 0	Tools and Plant.
1st Range ...	41 1 11	95 0 0	.....	2,097 0 0	Advances to Civil Officers.
2nd do. ...	81 5 9	800 0 0	.....	.....	
3rd do. ...	50 9 0	.....	.....	.....	
4th do. ...	73 11 6	.....	.....	.....	
5th do. ...	356 7 9	1,362 14 0	.....	.....	
6th do. ...	1,951 7 0	293 12 2	.....	3,07,119 0 0	Total as per Administration Report.
7th do. ...	123 1 7	45 0 0	.....	.....	
	2,779 15 6	2,096 10 2	.....	.....	The expenditure under other sundry heads, viz., "Miscellaneous Advances," Establishments, Stocks, etc., was not included in the Administration Report of the Superintending Engineer.

BEZWARA,
27th July 1870.

MASULIPATAM,
30th July 1870.

(Signed) F. J. MOBERLY, Colonel, R.E.,
Supg. Engineer, 2nd Division.

(True Copy.)

(Signed) J. A. C. ROSWELL,
Officiating Collector.

*Proceedings of the Madras Government, Public Works Department,
4th November 1870.*

RESOLVED that the foregoing report on Public Works in the Kistna District during the year 1869-70 be submitted for the information of Government.

2. It will be seen that there was a net decrease of Rupees 71,723 in the expenditure as compared with last year, due to the stoppage of funds by the Government of India.

3. The new works of irrigation on which money has been spent during the year are, without exception, connected with the Kistna Anicut Project, and do not call for any detailed notice.

4. The Board have recently addressed Government in detail with regard to Anicut Irrigation in this district. In paragraphs 14 and 15 the Collector alludes to the Pamurru Channel which was commenced many years ago; but, owing to the non-completion of a lock on the main channel on which the supply of water depended, could not be made available for irrigation.

5. The lock has now been completed, but the channel has meanwhile silted up. As the irrigation of 2,700 Acres of land is dependent on this work, it is very desirable that it should be cleared out.

6. In paragraph 17 the Collector reports that in the Bapatla Talook certain villages are ready to take up 8,000 Acres of land if channels for irrigation are provided.

7. In this and other similar cases the Superintending Engineer expresses his inability to submit estimates, as they form parts of large schemes, which must, according to the rules of the Department Public Works, be sent up as a whole.

8. The Board would observe that such a rule as this acts as a positive bar to the extension of irrigation, and might be modified with advantage.

9. In paragraph 19 the Collector reports that he has requested the Superintending Engineer to have estimates prepared for the repair of such tanks as have been left unrepaired by the Department Public Works, on the ground that the cost of repair would exceed the highest annual revenue obtainable from the lands irrigated; and the Board would suggest that Government might call on the Superintending Engineer to state what steps have been taken for the preparation of these estimates.

10. The attention of Government is also requested to the Collector's remarks in paragraph 20 regarding the unsatisfactory condition of the principal roads in the district.

11. It appears that nearly Rupees 34,000 were expended on the northern trunk road, notwithstanding which much remains to be done to render the road passable.

12. It is presumed that the first entry in the second and third columns of the statement regarding the condition of imperial roads and which refers to this road, is a clerical error, and should be "20," instead of "2."

13. The postscript of the Collector's letter will be disposed of in separate Proceedings.

*Proceedings of the Madras Government, Public Works Department,
4th November 1870.*

No. 78. ORDER THEREON, 4th November 1870, No. 2,642.

ESTABLISHMENT, No. 11.

COMMUNICATED to the Superintending Engineer of the 2nd Division who will, with reference to paragraphs 4 and 5 of the Board's Proceedings, report on the present condition of the Pamurru Channel. Measures should at once be taken for clearing the channel if the work has not yet been carried out.

2. The remarks in paragraphs 7 to 9 will receive the consideration of the Chief Engineer for Irrigation.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R.E.,

Secretary to Government.

To the Superintending Engineer, 2nd Division.

„ Board of Revenue.

„ Revenue Department.

„ Chief Engineer for Irrigation.

Opdy Sept 15th
No 2642
Proceedings of the Madras Government -
Under date the 4th October 1870
Read the following
Regs of the Board of Revenue
Here enter No 5776 of 17th Sept 70
Communicated
to the Superintending
Engineer of the 2nd Div
who will with reference
to Paras 4 and 5 of
the Board's Proceedings
report on the present
condition of the Pamurru
channel. Measures
should at once be
taken for clearing
the channel.

18 Feb 1950

The remarks in
 Paras 7 to 9 will re-
 ceive, in the consideration
 of the Chief Engineer
 for the Transportation
 Department, this
 is to be understood
 with regard to the
 amount of the
 amount of the
 amount of the

The J. E. N. and A. W.
B. of Rev.
Rev. Sept 10

C/c 3454

Govt. of 1870 Madras.

PUBLIC WORKS.

To the Superintending Eng^r.
2^d. Division

Date

Recd

4th Nov 2642.
1870

Nos. 7747⁸

Public Works. Mr. Mr. Board
Pres. on the Report about on
the progress of Public Works
in the Krishna District
for 1869/70, Com^d to the Officers
concerned with instructions.