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MADRAS RECORD OFFICE.

Government of Madras. RACIAL AFFAIRS DEPARTMENT.

G.O. No. 32
60-61
Press
Min.
Dated 6-1-1851.

Not to be folded or roughly handled

10

*Proceedings of the Madras Government, Public Works Department,
6th January 1871.*

Read the following papers:—

No. 60. Endorsement of the Revenue Department, dated Fort Saint George,
7th November 1870.

Read the following Proceedings of the Board of Revenue, dated 18th October 1870,
No. 6,191.

From the Acting Collector of Chingleput, to the Acting Secretary to the Board of
Revenue, dated Sydapet, 3rd September 1870, No. 363.

WITH reference to the Board's Proceedings, dated 9th April 1869, No. 2,414,
I have the honour to forward a return showing the expenditure on New Works
and Repairs for the last five years on the several sources of irrigation, together with
the revenue dependent on them, in the Maduranticum Talook.

2. The statement was prepared by the Sub-Collector, in communication with
Mr. Leggatt, and is somewhat incomplete, as the expenditure on the Minor Works
entered at the foot of the statement is not given, it being stated by the Range
Officer to be "not known."

*Return showing the expenditure for the last five years on New Works and Repairs on the
several means of irrigation in the Maduranticum Talook, and the revenue
dependent on them.*

dependent on them.			EXPENDITURE FOR THE LAST FIVE YEARS FROM 1864-65 TO 1868-69.		Remarks.
Names of the sources of irrigation.		Revenue dependent on them.	New Works.	Repairs.	
		RS.	RS. A. P.	RS. A. P.	
The ten largest tanks.	1. Maduranticum Tank...	11,875	19,769 1 10	3,261 10 4	*This includes the amount spent on the project for utilizing the surplus water.
	2. Orate do.	2,074	.....	1,782 14 7	
	3. Orappakam do.	2,053	.....	81 6 6	
	4. Magaral do.	2,406	.....	479 5 8	
	5. Ubramallore do.	15,778	.....	1,034 0 11	
	6. Pennagar do.	2,182	.....	.....	
	7. Malayankulam do.	2,499	.....	3,671 13 3	
	8. Arumbiliyur do.	6,001	.....	.....	
	9. Azisur do.	2,054	.....	3,634 13 6	
	10. Edamichi do.	3,233	.....	.....	
	Total...		49,655	19,769 1 10		13,949 0 9
Palar River Channels.	1. Rulipparakovil Channel	556			
	2. Pattalum do.	692	.....	.....	
	3. Sagavakam do.	433	.....	.....	
	4. Pattur do.	317	.....	1,829 9 3	
	5. Pulliput do.	2,078	.....	1,017 0 1	
	6. Pagamattur do.	1,411	.....	.....	
	7. Mamandur do.	2,779	.....	.....	
	8. Thandarai do.	493	.....	.....	
	9. Penayur do.	1,524	.....	.....	
	10. Sathananjeri do.	522	.....	.....	
	11. Chittanakkavur do.	193	.....	.....	
	12. Assur do.	600	.....	.....	
	13. Ongambakum, etc., do.	2,680	.....	.....	
	14. Do. do.	1,304	.....	.....	
	15. Vichur do.	364	.....	.....	
	16. Tiruvankovil do.	1,084	.....	1,510 0 0	
	17. Kaliyapetta do.	2,472	.....	.....	
	18. Kavubandalum do.	35	.....	.....	
	19. Karunguzpatti do.	1,590	.....	.....	
	20. Pullambakum do.	1,079	.....	.....	
	21. Thonmanoore do.	3,750	.....	.....	
	22. Buthur do.	.....	.....	.....	
Tanks ...		{ 23 96 }	5,430 3 6	53,782 8 11	

*Proceedings of the Madras Government, Public Works Department,
6th January 1871.*

Return showing the expenditure for the last five years, etc.—(Concluded.)

Names of the sources of irrigation.		Revenue dependent on them.	EXPENDITURE FOR THE LAST FIVE YEARS FROM 1864-65 TO 1868-69.		Remarks.
			New Works.	Repairs.	
The remainder.	Irrigation sources yielding a revenue of 1,000 Rupees and upwards ...	40	58,254		Rupees 5,218 13-11 was spent in repairing the spring channel of the Uppan-kottai village. This object has no information regarding the revenue dependent thereon.
	Do. 500 Rupees do. ...	78	53,052		
	Do. 200 " do. ...	152	50,566		
	Do. below 200 Rupees ...	346	30,118		
			Not known		

CHINGLEPUT,
19th August 1870.

(Signed) W. LEGGATT,
Executive Engineer, 4th Range.

(A true Copy.)

(Signed) C. S. CROLE,
Acting Sub-Collector.

THE return submitted with this letter is incomplete and unsatisfactory. Leaving out the Madurantium tank it shows that 5 per cent. of the revenue has been annually spent in repairing the other nine of the largest tanks in the Madurantium Talook, and 3-4 per cent. in repairing the twenty-three Palar river channels.

2. It gives the expenditure of the last five years on 119 tanks as Rupees 5,130 on New Works, and Rupees 53,783 on Repairs, which is at the rate of Rupees 100 per tank per annum, but it does not state the amount of revenue involved. This could certainly have been obtained from the revenue records.

3. It declares that the expenditure for the last five years on 616 sources of irrigation, with a dependent revenue of Rupees 1,91,900, is "not known." Surely the information has been recorded by the Department of Public Works somewhere, if not in Mr. Leggatt's office.

4. Altogether the statement adds little or nothing to the information already laid before Government in the report, recorded with Government Order, 19th March 1869, No. 900.

5. As, however, a new Budget is now under preparation, the Board resolve again to call the attention of Government to the necessities of the Madurantium Talook. They were informed last year that 50 per cent. of the irrigation works were without the masonry, which is essential to their safety; that the masonry in 75 per cent. of the remainder was in bad order; that estimates aggregating a lac of Rupees were in abeyance for want of funds; and that very many tanks (some of which had already become quite useless) were silting up rapidly.

6. With regard to this last evil it is worthy of consideration whether silt in tank beds might not in some cases be removed inexpensively by an adaptation of the method employed by Mr. McIvor in moving soil on the Neilgherries, the silt being carried through breaches made with that object in the bund, by directing the inflow in channels upon such breaches.

TRANSFERRED to the Public Works Department.

(Signed) R. A. DALYELL,
Acting Secretary to Government.

*Proceedings of the Madras Government, Public Works Department,
6th January 1871.*

No. 234.

No. 60A.

Note by the Chief Engineer for Irrigation.

THE reason why the Executive Engineer, 4th Range, was unable to afford the information regarding expenditure required to complete the statement submitted by the Board of Revenue in their Proceedings, No. 6,191, of the 18th October last, to Government, appears to be that his office does not contain records showing the revenue dependent upon the several works of irrigation, and, therefore, he could not divide the expenditure between the works yielding 1,000 Rupees of revenue and upwards, Rupees 500 and upwards, etc.

2. From this it may be concluded that the Range Officer is not in possession of the irrigation register, which is essential to the proper management of such works, and, until he is furnished with such a record, it is almost a waste of time to institute desultory enquiries on the subject of the amount and distribution of expenditure on repairs. The late Chief Engineer for Irrigation having found that the registers prescribed by Chapter V., paragraphs 38, 45, and 49 of the Public Works Code had, in many districts, not been kept up, brought the subject to the notice of Government, and in G. O., No. 2,234, dated 13th July 1868, it was directed that the registers should be prepared, and afterwards printed and published in the District Gazettes.

3. The Superintending Engineers were called upon to report the progress made in carrying out these instructions, and according to the accounts received it is evident that, in many districts, the importance of the early completion of the registers has not been sufficiently recognized, and I would suggest that the Local Officers be required to allow no further delay to take place.

Districts.	Date of report.	State of the Registers.
Ganjam ...	28th October 1869	Under preparation.
Vizagapatam ...	7th September ..	3rd and 4th Range registers prepared and sent to the Collector for publication in the District Gazette.
Godavery ...	Do. "	Under preparation.
Kistna ...	24th August ..	Public Works portions under preparation and nearly ready. Revenue portions have not yet been received.
Nellore ...	15th October ..	Under preparation.
Cudapah ...	21st " "	No portion completed.
Kurnool ...	1st April 1870	Public Works portions under preparation. Revenue portions completed.
Bellary ...	No report received.	.....
Madras ...	7th September 1869 ..	Completed and forwarded to the Collector as far as could be done in Public Works Department.
North Arcot ...	Do. do. ...	Under preparation.
South Arcot ...		
Salem ...		
Tanjore ...		
Trichinopoly ...		
Coimbatore ...		
Neilgherries ...		
Malabar ...		
Wynaad ...		
South Canara ...		
Madura ...		
Tinnevely ...		

*Proceedings of the Madras Government, Public Works Department,
6th January 1871.*

4. With regard to the condition and requirements of the Maduranticum Talook, it does not appear to be practicable to do more than allot to its irrigation works, year by year, a fair share of the grant for the Presidency generally, and this office can only recommend district allotments, leaving their distribution to Talooks to the Local, Revenue, and Public Works Officers.

5. I am quite convinced that the general grant for the Presidency has been, and will for 1871-72* be, inadequate, and I feel assured that a loss of revenue

* Rupees 12 lacs.
to an amount which would yield a very satisfactory return on a more ample expenditure, and perhaps a better return than outlay on all but a few of the most promising new projects, is being incurred. Evidence in support of this opinion does come before Government at intervals, but it is generally in such a disconnected and incomplete shape that it is not surprising that the importance of making the proper up-keep of existing works a primary duty, and one to be enforced by all means, has not been fully understood, or made the basis of steady and sustained effort.

6. The question is a large one, for it is intimately connected with a very considerable portion of the State Revenue, and with the prosperity of a large part of the agricultural population. Before this question can be properly taken up and satisfactorily disposed of, it is, in my opinion, absolutely necessary that the Public Works Establishment should be both strengthened and re-arranged, and that Collectors should make accessible, by means of the irrigation registers, the revenue information without which any systematic outlay of the funds which may be available is impossible. The proper course would then be—

1st.—To ascertain from the personal examination of the irrigation works in each Talook by a competent officer, the requirements of each work, and, as it is clear that all requirements cannot be met at once, the order, in which repairs and improvements should be taken up and carried out, must at the same time be noted down.

2ndly.—To see from the information afforded by the registers, coupled with an inspection, what works are from any cause so circumstanced that it is doubtful whether they can be repaired and afterwards maintained at a cost at all proportionate to their irrigating capabilities and value. When a list of such works has been prepared each one should be considered by itself by the Revenue and Public Works Officers in consultation, and it should be decided, with reference to all the circumstances of the case, whether a recommendation should be made for its abandonment as a Government work, or for its maintenance at a relatively disproportionate cost. Probably a good deal might be done in this direction during the annual Jummahbundy, when all interested might give evidence and information. These investigations will involve a vast amount of hard work, but they are essential to an intelligent management of the works, as also for the collection of such evidence as will enable the Government to determine what funds should be provided.

7. Circulars Nos. 20 and 25 from this Office will show the Government what instructions have been issued on this subject. The one was intended to induce a more systematic management of irrigation works, the other to afford information as to the actual results. I am sure, however, that only a very partial attention can

*Proceedings of the Madras Government, Public Works Department,
6th January 1871.*

be given to these instructions so long as the irrigation registers are incomplete and not in the hands of the Range Officers, and until, by the reduction of the number of Ranges, each part of the Presidency is placed under the immediate executive charge of an officer of some standing and experience. I would earnestly recommend therefore that if the general re-organization of the Department, in connection with the report of the Public Works Commission of last year, cannot be immediately carried out, at least the re-arrangement and re-distribution of the existing establishments, necessary to place executive charges in competent hands, may be sanctioned at once. This will involve no expense, and I believe it could be carried out without much difficulty, and before the close of the current official year. Some office establishments would have to be divided between, or absorbed by, others, and it might be advisable to modify the numbers of Accountants, Writers, Draughtsmen, etc., but otherwise the change would be confined to enlarging the area and reducing the number of executive charges; to giving these to officers of some experience, and to distributing to them as a working staff the younger officers and the subordinates.

8. Returning to the 4th Range of the Chingleput District it will be noticed that, in paragraph 7 of the letter, printed in G. O. of the 19th March 1869, No. 900, Mr. Leggatt asks for a yearly allotment of—

10,000 Rupees for Minor New Works, Agricultural.
40,000 „ for Repairs, do. do.

for his Range, which is confined to the Maduranticum Talook, the irrigation revenue of which is, in round numbers, 2 lacs of Rupees, and consequently the sum asked for for improvements would be 5 per cent., and that for repairs 20 per cent. on the revenue.

	RS.	Per-centage
For 1870-71 the allotment for the whole district was for Minor New Works ...	8,000	0 85
Repairs ...	85,000	9 06

and for 1871-72, the total grants for the Presidency being likely to be the same, the allotments to the Chingleput District will not be capable of any material alteration.

FORT ST. GEORGE,
18th November 1870.

(Signed) J. MULLINS, Major, R.E.,
Chief Engineer for Irrigation.

No. 61. ORDER THEREON, 6th January 1871, No. 32.

IRRIGATION, No. 3.

THIS note will be communicated to the Board of Revenue with reference to their Proceedings, dated 18th October 1870, No. 6,191.

2. The Government are disappointed to learn from paragraph 3 that, though the preparation of registers of irrigation works by Revenue Officers in concert with those of the Public Works Department was ordered so long ago as July 1868, the progress made has been far from satisfactory. Attaching the greatest importance to these registers, His Excellency the Governor in Council resolves to direct that measures be adopted for completing them without delay. When this has been

Proceedings of the Madras Government Public Works Department.
6th January 1871.

done, arrangements of the nature of those suggested in paragraph 6 of Major Mullins' note will probably ensure a more profitable expenditure of the limited sums which are annually available for the maintenance of irrigation works than in the absence of complete registers is possible. Those arrangements will be further considered in the Revenue Department with reference to Proceedings, No. 2,989, dated 10th December 1870.

3. The question of reducing the number of executive charges and redistributing existing establishments, suggested by Major Mullins in paragraph 7, will be deferred till the general one of the re-organization of the Public Works Department is settled.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
To the Chief Engineer for Irrigation.
,, Revenue Department.
,, Board of Revenue.
,, Controller of Public Works Accounts.

Erd. E. C. Shunker.

No. 6,191.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 18th October 1870.

Read the following letter from W. T. BLAIR, Esq., Acting Collector of Chingleput, to the Acting Secretary to the Board of Revenue, dated Sydapet, 3rd September 1870, No. 363:—

With reference to the Board's Proceedings, dated 9th April 1869, No. 2,414, I have the honour to forward a Return, showing the expenditure on New Works and Repairs for the last five years on the several sources of irrigation, together with the revenue dependent on them in the Maduranticum Taluq.

2. The Statement was prepared by the Sub-Collector, in communication with Mr. Leggatt, and is somewhat incomplete, as the expenditure on the Minor Works entered at the foot of the Statement is not given, it being stated by the Range Officer to be "not known."

ENCLOSURE No. 1.

Return showing the expenditure for the last five years on New Works and Repairs on the several means of irrigation in the Madurantakum Taluq and the revenue dependent on them.

	Names of the sources of irrigation.	Revenue dependent on them.	Expenditure for the last five years from 1864-65 to 1868-69.		Remarks.
			New Works.	Repairs.	
		RS.	RS. A. P.	RS. A. P.	
The ten largest tanks	1. Maduranticum Tank	11,375	19,769 1 10	3,261 10 4	* This includes the amount spent on the project for utilizing the surplus water.
	2. Orate do.	2,074	...	1,782 14 7	
	3. Orappakam do.	2,053	...	84 6 6	
	4. Magaral do.	2,406	...	479 5 8	
	5. Ubramallore do.	15,778	...	1,034 0 11	
	6. Pennagar do.	2,182	...	...	
	7. Malayankulam do.	2,499	...	3,671 13 3	
	8. Arunbillyur do.	6,001	...	...	
	9. Azisur do.	2,054	...	3,634 13 6	
	10. Edamichi do.	3,233	...	...	
	Total	49,655	19,769 1 10	13,949 0 9	
Palar river channels.	1. Rulipparakovil Channel	556	...	...	
	2. Pattalum do.	692	...	...	
	3. Sagavakam do.	433	...	...	
	4. Pattar do.	317	...	1,829 9 3	
	5. Pulliput do.	2,078	...	1,017 0 1	
	6. Pagamattur do.	1,411	...	...	
	7. Mamandur do.	2,779	...	...	
	8. Thandarai do.	493	...	...	
	9. Penayur do.	1,524	...	...	
	10. Sathananjari do.	522	...	...	
	11. Chittanakkavur do.	193	...	...	
	12. Assur do.	600	...	...	
	13. Osgambakum, etc. do.	2,689	...	...	
	14. Do. do.	1,304	...	...	
	15. Vichur do.	364	...	1,510 0 0	
	16. Tiruvankovil do.	1,084	...	...	
	17. Kalivapetta do.	2,472	...	...	
	18. Kavilbandalum do.	35	...	...	
	19. Karunguzpatti do.	1,590	...	...	
	20. Pullambakum do.	1,079	...	...	
	21. Thummanoor do.	3,750	...	...	
	22. Buthur do.	...	...	...	
	Tanks ...	23 96	5,430 2 6	53,782 8 11	
The remainder.	Irrigation sources yielding a Revenue of 1,000 Rupees and upwards	40	53,254	Not known.....	Rupees 5,243-13-11, was spent in repairing the spring channel of the Ungambakum village, this Office has no information regarding the Revenue dependent thereon.
	Do. 500 Rupees do.	78	53,052		
	Do. 200 Rupees do.	152	50,566		
	Do. below 200 Rupees	346	30,118		

CHINGLEPUT
19th August 1870.

(Signed) W. LEGGATT,
Executive Engineer, 4th Range.

(A true Copy.)

(Signed) C. S. CROLE,
Acting Sub-Collector.

Note by the Chief Engineer for Irrigation

The reason why the Executive Engineer H. Range was unable to afford the information regarding expenditure required to complete the statement submitted by the Board of Revenue, in their Proceedings N^o 6191 of the 18th October last, to Government, appears to be that his office does not contain records showing the Revenue dependent upon the several works of irrigation, and therefore he could not divide the expenditure between the works yielding 1000 Rupees of Revenue and upwards, Rupees 500 and upwards &c.

2. From this it may be concluded that the Range Officer is not in possession of the irrigation registers, which is essential to the proper management of such works and, until he is furnished with such a record, it is almost a waste of time to institute descriptive enquiries as the subject of the amount and distribution of

The Return submitted with this letter is incomplete and unsatisfactory. Leaving out the Madurantium tank it shows that 5 per cent. of the revenue has been actually spent in repairing the other 9 of the largest tanks in the Madurantium Taluq. and 13 1/2 per cent. in repairing the 23 Palar river channels.

2. It gives the expenditure of the last five years on 112 tanks as Rupees 7,430 on New Works and Rupees 53,793 on Repairs which is at the rate of Rupees 160 per tank per annum, but it does not state the amount of revenue involved. This could certainly have been obtained from the Revenue records.

3. It declares that the expenditure for the last five years on 616 sources of irrigation with a dependent revenue of Rupees 1,91,990, is "not known." Surely the information has been recorded by the Department of Public Works somewhere, if not in Mr. Logan's office.

4. Altogether the Statement adds little or nothing to the information already laid before Government in the report recorded with Government Order, 19th March 1870, No. 990.

5. As, however, a new Budget is now under preparation, the Board resolve again to call the attention of Government to the necessities of the Madurantium Taluq. They were informed last year that 50 per cent. of the irrigation works were without the masonry which is essential to their safety, that the masonry in 75 per cent. of the remainder was in bad order, that estimates aggregating a lac of Rupees were in abeyance for want of funds, and that very many tanks (some of which had already become quite useless) were silting up rapidly.

6. With regard to this last evil it is worthy of consideration whether silt in tank beds might not in some cases be removed inexpensively by an adaptation of the method employed by Mr. McIvor in moving soil on the Neilgherries, the silt being carried through breaches made with that object in the bund, by directing the inflow in channels upon such breaches.

(True Copies and Extract.)

To the Acting Secretary to Government, Revenue Department.
Copy to the Acting Collector of Chingleput.

Ed. G. A. Turton.

Acting Secretary

Board of Revenue,

MADRAS.

1870.

OCTOBER.
No. 6191.

Irrigation works in Madurantium Taluq. Chingleput District. - Return received from Col. Logan, showing expenditure, during last five years, and revenue dependent on them, submitted to Government; and their attention drawn to wants of this Taluq. in regard to such works.

Enclosed

of expenditure on repairs. The late Chief Engineer for irrigation having found that the Registers prescribed by chapter V paras 38-45 & 49 of the Public Works Code, had, in many Districts, not been kept up, brought the subject to the notice of Government and in G.O. No 2234 dated 13th July 1868 it was directed that the registers should be prepared, and afterwards printed and published in the District Gazettes.

3. The Superintending Engineers were called upon to report the progress made in carrying out these instructions, and according to the accounts received it is evident that in many Districts, the importance of the early completion of the registers has not been sufficiently recognized, & I would suggest that the local officers be required to allow no further delay to take place

Districts	Date of report	State of the Registers
Ganjam Visakhapatnam Godavari	28 Oct 1869	Under preparations

Distt. No	7 Sep 1869	3 rd and 4 th Range registers prepared & sent to the Collector for publication in the Dist Gazette.
Nellore	do	under preparation
Gudapah	do	Public Works portions under preparation
Kurnool	24 Aug 1869	nearly ready. Revenue portions have not yet been received.
Bellary	do	do
Madras	15 Oct 1869	Under preparations
North Arcot	do	do
South Arcot	21 Oct 1869	No portions completed.
Salem	do	do
Tanjore	15 Apr 1870	Revenue portions under preparation. Revenue portions completed.
Trichinopoly	do	do
Coinbatore	do	do
Milghernies	No report received	do
Malabar	do	do
Mysnad	do	do
South Canara	do	do
Madurai	7 Sep 1869	completed & forwarded to the Collector as far as could be done in time.
Trimmely	do	under preparation

4. With regard to the conditions & requirements of the Madhanticum Salug, it does not appear to be practicable to do more than allot to its irrigation

of expenditure on repairs. The late Chief Engineer for irrigation having found that the Registers provided by Chapter V paras 38-45 & 49 of the Public Works Code had, in many Districts, not been kept up, brought the subject to the notice of Government and in G.O. No 2234 dated 13th July 1868 it was directed that the registers should be prepared, and afterwards printed and published in the District Gazettes.

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Districts	Date of report	State of the Registers
Ganjam Kizhappattam Godavery	28 th Oct 1869.	Under preparations.

Districts	7 th Sep 1869	3 rd and 4 th Range registers prepared & sent to the Collector for publication in the Dist Gazette.
Nellore	do	under preparations
Gundachak	24 th Aug 1869	Public Works portions under preparation nearly ready. Revenue portions have not yet been received.
Kurnool		
Bellary		
Madras	15 th Oct 1869	Under preparations
North Arcot		
South Arcot	21 st Oct 1869	No portion completed.
Salem		
Tanjore	15 th Apr 1870	Revenue portions under preparation Revenue portions completed.
Trichinopoly		
Coimbatore		
Nilgheeries	No report received	
Malabar		
Mysore		
South Canara		
Madurai	7 th Sep 1869	completed & forwarded to the Collector as far as could be done in time.
Trincomelly	do	under preparations

4. With regard to the conditions & requirements of the Madras Irrigation Saluq, it does not appear to be practicable to do more than allot to its irrigation

irrigation works, year by year, a fair share of the grant for the Presidency generally, and this office can only recommend District allotments having their distribution to salugs to the local Revenue and P.M. officers.

5 I am quite convinced that the general grant for the Presidency has been and will be for 1871-72, be inadequate, and I feel assured that a loss of Revenue to an amount which would yield a very satisfactory return on a more ample expenditure, and perhaps a better return than outlay on all but a few of the most promising new projects, is being incurred. Evidence in support of this opinion does come before Government at intervals, but it is generally in such a disconnected and incomplete shape, that it is not surprising that the importance of making the proper use of existing works a primary duty, & one to be enforced by all means, has not been fully understood, or made the basis of steady and sustained effort.

6 The question is a large one, for it is intimately connected with a very considerable portion of the State Revenue, and with the prosperity of a large part of the Agricultural population. Before this question can be properly taken up and satisfactorily disposed of it is, in my opinion, absolutely necessary that the P.M. establishments should be both strengthened and rearranged, and that collectors should make accessible, by means of the irrigation registers, the Revenue information without which any systematic outlay of the funds which may be available is impossible. The proper course would then be to ascertain from the personal examination of the irrigation works in each taluq, by a competent officer, the requirements of each work, and, as it is clear that all requirements cannot be met at once, the order, in which repairs and improvements should be taken up and carried out, must at the same time be noted down; such to be seen from the information afforded by the registers.

registers, completed with an inspection, what works are
now any cause or circumstances that it is doubt-
ed whether they can be repaired and afterwards
maintained at a cost at all proportionate to their
irrigating capabilities and value. When a list
of such works has been prepared each one should
be considered by itself by the Revenue and P.
M. officers in consultation, and it should be decided,
with reference to all the circumstances of the case,
whether a recommendation should be made for its
abandonment as a Govt. work or for its mainte-
nance at a relatively disproportionate cost. Pro-
bably a good deal might be done in this di-
rection during the annual Jamma-bundy,
when all interested might give evidence and
information. These investigations will involve a
vast amount of hard work, but they are essen-
tial to an intelligent management of the
works, as also for the collection of such evidence
as will enable the Government to determine
what funds should be provided.

Circulars Nos 20 & 25 from this office
will

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to induce a more systematic management of
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as to the actual results. I am sure however that
only a very partial attention can be given to
these instructions so long as the irrigation regis-
ters are incomplete; and not in the hands of the
Range officers, and until, by the reduction of the
number of Ranges, each part of the Presidency
is placed under the immediate Executive charge
of an officer of good standing and experience. I
would earnestly recommend therefore that, if the
general reorganization of the Department, in
connection with the report of the Mr. Cunningham
of last year, cannot be immediately carried
out, at least the re-arrangement and redis-
tribution of the existing establishments, necessary
to place Executive charges in competent hands
may be sanctioned at once. This will involve
no expense, and I believe it could be carried out
without

without much difficulty and before the close of the current official year some office establishments would have to be divided between, or absorbed by, others, and it might be advisable to modify the numbers of accountants, writers, draughtsmen &c, but otherwise the change would be confined to enlarging the area, and reducing the number of executive charges, to giving these to officers of some experience, and to distributing to them as a working staff the younger officers, and the subordinates.

Returning to the 4th Range of the Bingleput District it will be noticed that, in para 7 of the letter printed in G.O. of the 19th March 1869 N^o 900, Mr Liggatt asks for a yearly allotment of

Rs. 10,000 for mixed new works
 Rs. 10,000 for repairs
 Rs. 4,000 for agricultural

for his Range, which is confined to the Manantia Taluq, the irrigation Revenue of which is, in round numbers, 2 lacs of Rupees

and consequently the sum asked for for improvements would be 5 per cent, and that for repairs 20 per cent on the Revenue.

For 1870-71 the allotment for the whole District was
 for mixed new works Rupees 8,000 - 0.85
 Repairs " 85,000 - 9.06

and for 1871-72, the total grants for the Presidency being likely to be the same, the allotments to the Bingleput District will not be capable of any material alteration.

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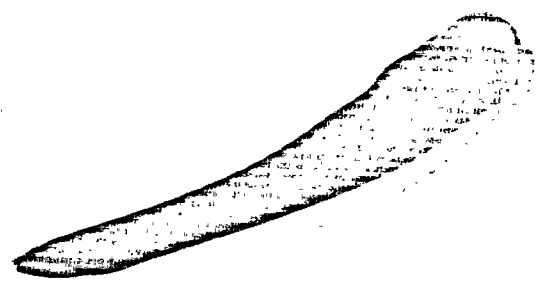
1870 Sept
Mr. of Govt for P.W.D.
No 4789
The Chief Eng.
for Irrigation

To The Secretary to Govt
P.W.D.

Dated 18th
Despatch 22nd Nov. 1870
Recd 23rd
N^o 234. Encl.

Remarks with re-
ference to the Irrigation
Registers ordered to be kept
by Govt in their order
N^o 2234 of 13th July 1868.

N^o 32. 6th Jan'y 1871



Public Works Department
N^o 32
Proceedings of the Madras Government
Under date the 6th Jan'y 1871

Read the following
From The Secy to Govt P.W.D. N^o 4789 Nov 1870
From The Chief Engineer
for Irrigation. } N^o 231. d/18th Nov 1870

This note will be
communicated to the
Board of Revenues with
reference to their Pro-
ceedings dated 18th
October 1870. No. 6191.

The Government
are disappointed to
learn from Para: 3
that, though the pre-
paration of Registers
of Irrigation works by
Revenue Officers in
concert with those
of the Public Works
Depart.

Department was ordered
so long ago as July 1868,
the progress made has
been far from satis-
-factory. Attaching the
greatest importance to
these Registers His
Excellency the Governor
in Council resolves to
direct that measures
be adopted for comple-
-ting them without delay.
When this has been
done, arrangements of the
nature of those suggested
in Para 6, of Major Mullins'
note will probably en-
-sure a more profita-
-ble expenditure of the
limited sums which are
annually available
for

230
for the maintenance of
irrigation works than in
the absence of complete
Registers is possible.
Those arrangements
will be further con-
-sidered in the Re-
-venue Department
with reference to Pro-
-ceedings No. 2989 dated
10th December 1870.

The question of
reducing the number
of Executive charges and
redistributing existing
establishments, suggested
by Major Mullins in
Para 7, will be deferred
till the general one
of the reorganization
of

Op 4739

Govt. of 1870 Madras.

PUBLIC WORKS.

To The Superintendent Engineer.

Place

Room

12/10

6. 1/2" 32

No. 1/10

Received of the Superintendent Engineer
the sum of Rs. 100/-
for the purchase of 1000
cubits of earth for the
construction of the
road from the
station to the
village of
the District of
the Province of
the Government of
Madras.