2493

Govt. of 18 V Madras.

PUBLIC WORKS.

Dated

Read. Encl.

O.O. 16/3/1896 No. 257.

Jopd 7 II 1447-96

Orders to issue on
16-3-97.

Objectionable Items

Noting such letter requesting that necessary steps be taken to regularise the remaining unremedied items and 2 Septembers 1895 in the Accounts of the Irrigation Branch Madras, subject to S.E.'s concurrence with remarks

=

W 1/3.

Supg Engineers Off
2nd Circle Berar
14th July 1896.

No 1766/6

From

1739 Major W. L. C. Baddeley R.E.
Supg Engineer II Circle.

To

The Chief Engineer
for Irrigation
Madras.

Sir,

In reference to your No. 7. II dy 4th July 96 I have the honor to inform you that a full and complete report on the subject of the D. D. Statements of this Circle will be submitted as soon as possible after receipt of G.O. 579 I dy 9th July 96 and the D.D. Statement referred to.

2. It is presumed that the Quarterly statement is referred to as the figures given by you for the Kistna Eastern and Kistna Northern do not agree at all with those which I have seen, and which refer to the accounts for March 96.

3. The matter is being gone into thoroughly, but it takes much time to make the necessary analysis of

+ The monthly Statement.

The figures were checked by our clerk who made out the statement under notice.

JBB 15/7/96

of the items.

4. I may mention that as March is the last month of the year, the number of D. Items in that month's accounts will always be large.

5. It must also be remembered that Divisions vary in the number of works amount of expenditure &c and a fair comparison between them cannot be drawn merely from the D. I. Statement.

I have the honor to be,

Sir,

Your most Obt. Servant,

W. Baddeley Major R.E.

Supt. Engr. 2nd Circle.

W.

CHIEF ENGINEER FOR IRRIGATION. 17 DEC. 96 28-II No.

From

The Supg Engineer
2nd Circle

To

The Chief Engineer
For Irrign:
Madras.

No. 1765 E6

Dated 14th July 1896

O. I. Statement for March 96 - of the II Circle informs that full & Complete report on the subject of — will be submitted &c.

P. W. CURRENT No. 7497

22-4-95 No 924 W

Recd: 3-10-95

No. 2533 W/95 15th October 1895

Communicated to the Supdg. Engineer II circle for early report as to what steps have been, or are being taken to reduce the number of objectionable items in the circle.

2. The Supdg. Engineer will also report on the point noticed in para 3 of the Examiner's note.

DESPATCHED 16 OCT. 95 5.0 P.M.

S.E. II circle.

Exr. P.W. Accts.

more stringent orders of Government therefore now appear necessary for the early regularisation of all outstanding objections.

3. In this connection I would invite attention to para 29 of the last inspection report on the Accounts of the Buckingham Canal Division (G.O. No. 924. W dated 22.4.95) from which it will be seen that there is apparently some delay in the Superintending Engineer's office in communicating to the Executive Engineer concerned the irregular items noted in the Provincial O. I. Statement. On the 15th February 1895 (the date of the inspection) the last Provincial O. I. Statement received in the Divisional office was that for May 1894 and subsequent Statements had not then been received in that Division.

E. No. 27.
500 7 05.

KEEP-WITH | CURRENT No.

dated 189 .

GOVT. OF MADRAS. } 1895. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS,

Madras, 2nd Oct 1895.

OFFICE NOTE No. 3416 D/A

To

W.

A Scrutiny of the Provincial & Statements of the 2nd circle for June 1895 shows an abnormally large number of irregular items that remains unremedied very many of which have been outstanding for a long time. The marginally noted table brings these out clearly and particular attention is drawn to the fact that one item has been outstanding since 1891, three since 1892, & fifteen since 1893.

2. Special attention has been repeatedly drawn to the delays in removing these irregularities but effective measures do not appear to have been taken by the officers concerned; and the same items have consequently to be brought forward month after

		1891	1892	1893	1894	1895	Total
Kistna Eastern.	Buildings & Roads	..	..	1	4	9	14
	Irrigation	..	..	8	5	10	23
Kistna Western	Buildings & Roads	1	..	1	4	1	7
	Irrigation	..	2	3	6	5	16
Kistna Northern	Buildings & Roads	..	..	1	1	4	7
	Irrigation	..	1	..	1	2	4
Buckingham Canal	Buildings & Roads	..	..	..	..	..	14
	Irrigation	..	..	1	3	1	6
Nellore	Buildings & Roads	..	..	..	..	..	83
	Irrigation	..	..	..	4	2	
Total.		1	3	15	29	35	

not read yet.

22ND APRIL 1895, No. 924 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Office-note from the Examiner, Public Works Accounts, dated Madras, 9th April 1895, No. 1319/B.

Submitted to Government for orders, special attention being invited to the following points.

2. *Paragraph* 2.—This point is dealt with in paragraph 5 of the circular communicated with G.O., No. 3247 W., dated 25th November 1892. In the case where large amounts are involved towards the close of the year, it would be well for the Executive Engineer to call the special attention of the Revenue authorities to the necessity for prompt payment.

3. *Paragraph* 13 (*b*).—The facts should be inquired into and any excess payment made to the piece-worker recovered at once.

4. *Paragraph* 14 (*a*).—Expenditure on sub-heads of work not provided for in the estimate but met from the provision made for contingencies should be shown separately in the register of works as required by Examiner's circular No. 31 of 1889.

5. *Paragraph* 15 (*a*).—This should be enquired into and necessary adjustments carried out at an early date.

6. *Paragraph* 15 (*b*).—All buildings and lands not required for the canal should apparently be disposed of by sale or transfer, their value being credited to the capital account of the canal so as to reduce maintenance and interest charges.

7. *Paragraphs* 18 (*a*), (*b*), (*c*) *and* 19.—The over-payments of Rs. 15–6–0 noticed should be recovered without delay and more care bestowed by the Accountant in checking travelling allowance claims in the journals not sent to audit.

8. *Paragraph* 19 (*d*).—Attention is called to the inspecting officer's remark and all journals for 1894–95 sent to this office for scrutiny.

9. *Paragraph* 20.—This appears to call for explanation.

10. *Paragraph* 21.—The upkeep of the service books should receive more careful attention.

11. *Paragraph* 22.—It is for Government to decide whether the pay wrongly passed should be retrenched in the next bill submitted for audit, or whether the amount should be recovered from the Accountant who was to blame for the mistake. My own opinion is in favour of the latter course.

12. *Paragraph* 23.—The Executive Engineer reports that he has submitted to the Superintending Engineer a statement of stores available for transfer or sale and

awaits orders. Particular attention should be paid to see that the value of stock reserve is correct and efficient. Accumulation should be carefully guarded against. They imply the tying up of capital.

13. *Paragraph* 26.—This requires to be looked into.

14. *Paragraph* 29.—The office of the Superintending Engineer is apparently responsible for these delays.

ENCLOSURE.

Inspection report on the accounts of the Buckingham Canal Division, by Mr. C. C. SWETENHAM, Deputy Examiner, Public Works Accounts, on the 11th to 15th February 1895.

I.—PRELIMINARY.

Previous inspection.—The accounts of this office were last inspected in December 1893 by Mr. W. A. Crisp, Examiner, 4th class, third grade, temporary. Defects reported by him still remaining unremedied are noted by me in their appropriate place.

2. *Executive charge.*—The executive charge of the division still remains with Mr. A. S. Russell, Executive Engineer, first grade. He was present on the first day of inspection.

3. *Accounts charge.*—The accounts of the division were in the charge of M.R.Ry. Manavalu Naidu Garu, Accountant, second grade, till the 8th January 1895, when he was succeeded by M.R.Ry. A. Ayodhiramayya, Accountant, sixth grade.

4. *Range of inspection.*—The general scope of the inspection ranged from April 1894 to January 1895; the travelling allowance claims were audited for July to December 1894; and the accounts were test-audited for May 1894.

II.—EXPENDITURE—*A.—Cash Treasury.*

5. *Cancelled.*

6. *Sub-divisional Cash-books.*—The sub-divisional cash-books were, till January 1895, written up in much detail. The particulars of each bill as to sub-heads, quantities, rates and amounts were given. This was superfluous and has now been put a stop to by the present accountant. The details mentioned are recorded in the present form of measurement book.

7. *Supply of Cheque-books.*—On 13th September 1894, twelve cheque-books were obtained: not one has yet been brought into use.

8. *Duplication.*—The consolidated treasury receipt of the Bank of Madras is prepared in duplicate and the duplicate copy signed by the agent filed. The preparation of duplicates is to be discontinued from February 1895.

9. *Imprests to Lower Subordinates.*—Sub-overseer Gurumootoo Pantulu has been entrusted with an imprest of Rs. 50. The Chief Engineer's sanction to a security of Rs. 50 has been applied for.

B.—General.

10. *Lapse of grant.*—The Executive Engineer anticipates and has reported to Superintending Engineer a probable lapse of grant of about Rs. 20,000, due to tools and plant ordered from England not being expected now, owing to references, till after close of current financial year.

11. *Check of liabilities.*—The Executive Engineer complains that owing to delay on the part of the Civil authorities in making awards for land compensation, he is frequently unable to hypothecate his grant or appropriate for works definitely and satisfactorily.

C.—Contract and Piece-work Accounts.

12. *Dues from piece-workers.*—With reference to paragraph 51 of last report it is noted that dues from piece-workers are still occasionally charged to works. These cases are noted in Section II-D. against the works concerned.

D.—Accounts of Works.

13. (*a*) *Incorrect debits to works.*—Charges have been made to sub-heads of work instead of to the piece-worker concerned in the following instances:—

(*b*) Divisional Cash-book No. 3 shows, on 5th May 1894, a payment of Rs. 10 for "advance to crew of punt No. 6 employed in taking demarcation stones to cusba." This amount has been charged off to—

	RS.	A.	P.
(i) Improvements and diversions of canal at 43 miles 5 furlongs to 65 miles 5 furlongs (demarcation of lands)	2	8	0
(ii) Repairs to rest-houses including bungalow watchers	7	8	0

The sum of Rs. 2-8-0 charged to item (i) above has not been recovered on payment in September 1894 to piece-worker. The payment consisted of Rs. 490 for demarcating 7 acres at Rs. 70 per acre, and the agreement included supply of materials.

The propriety of the allocation to item (ii) is not apparent.

14. (*a*) *Work Abstracts and Register.*—In the register of works outlay appears debited to the sub-head "Contingencies." The point is dealt with in Examiner's Circular No. 9 of 1888.

(*b*) Amounts for items such as "hire of punts, &c.," recoverable from piece-workers are shown as charges to the sub-head concerned. They should have been debited to the piece-workers and exhibited in the register of works as *minus* "arrears." Two amounts so dealt with in May 1894, have, however, been recovered from the piece-workers.

15. (*a*) *Credits to Canal accounts.*—Compensation has not been claimed from the Madras-Bezwada Railway Survey for the demolition of a permanent latrine used for the Divisional office establishment. Expenditure subsequently incurred (under unvouched for outlay, S.D. 16 for Rs. 22-14-0) shows outlay (Rs. 3) on cooly hire for subsequently erecting a temporary latrine.

(*b*) The Executive Engineer's attention was said to have been directed towards the abandonment of superfluous permanent and temporary lands to the Civil Department. He explained that at present it was difficult to come to a decision, but that this would be fully considered upon the completion of the project some two years hence. As regards the disposal of temporary or construction buildings he has already submitted for orders the case of the Iskapalle rest-house, which is stated to be not wanted for canal purposes. Government have, however, decided to retain it, but the question still remains whether its value should not be removed from the canal accounts and charged to some other departmental and service head.

E.—Suspense.

16. *Deceased depositors.*—The security deposit, Rs. 50, of Sub-Overseer Sarangapany Naidu, who died on the 29th October 1894, still remains unpaid. Steps are being taken to repay the amount as well as the balance of salary and travelling allowance due to his legal representatives.

F.—Accounts of Divisional Office.

17. The cash account current previous to December 1894 did not agree with the closing entries in the cash abstract book owing to want of attention to the revised procedure laid down in S.O., No. 134 to Part I of the Book of Forms.

G.—Establishment.

18. (*a*) *Halting allowance incorrectly drawn.*—Halting allowance was passed in excess to S. Bheema Rao, Clerk, 4th class, third grade, whose head-quarters are Nellore, as follows :—

Period.	Place.	Nature of allowance passed.	Rate.	Amount.
			RS. A. P.	RS. A. P.
1st to 28th October ..	150th mile	Halting allowance from 1st to 8th.	0 6 0	3 0 0
29th October	150th to 143rd mile ..	Daily allowance..	0 6 0	0 6 0
30th ,, ...	143rd to 150th mile ..	,, ..	0 6 0	0 6 0
31st ,, to 19th November.	150th mile	Halting allowance for 10 days, 31st to 9th November.	0 6 0	3 12 0
20th November ..	150th to 160th mile ..	Daily allowance..	0 6 0	0 6 0
21st November ..	160th mile	Halting allowance.	0 6 0	0 6 0
22nd November ..	160th to 150th mile ..	Daily allowance..	0 6 0	0 6 0
23rd November to 6th December.	150th mile	Halting allowance for 14 days.	0 6 0	5 4 0
			Total ..	13 14 0

The halting allowance is admissible only for 1st to 10th, 29th and 30th October and 20th and 22nd November 1894, *i.e.*, Rs. 5–4–0. The balance Rs. 8–10–0 should than three nights.

(*b*) On further checking the journals for September of this same clerk it was found that travelling allowance had been passed to him as follows :—

Date.	Place.	Nature of allowance.	Rate.	Amount.
			RS. A. P.	RS. A. P.
20th to 28th Sept. 1894 ..	Ramapatam ..	Halting allowance for 9 days.	0 6 0	3 6 0
29th September ..	Ramapatam to Alagayapalam.	Daily allowance..	0 6 0	0 6 0
30th ,, ..	Alagayapalam to Ramapatam.	Do. ..	0 6 0	0 6 0

As Ramapatam is stated to be the same as the 150th mile referred to in October to December journals, then the halting allowance for 1st to 10th October 1894, is inadmissible. The amount to be recovered will therefore be Rs. 8–10–0 + Rupees Rs. 3–12–0 or Rs. 12–6–0.

(*c*) The journals of this clerk for July showed the following payments :—

Date.	Place.	Allowance paid.	Rate.	Amount.
			RS. A. P.	RS. A. P.
1st to 8th July ..	150th mile ..	Halting allowance for 8 days.	0 6 0	3 0 0
9th July	150th to 160th mile ..	Daily allowance..	0 6 0	0 6 0
10th ,, ...	160th mile ..	Halting allowance.	0 6 0	0 6 0
11th ,, ...	160th to 150th mile ..	Daily allowance ..	0 6 0	0 6 0
12th to 19th July ..	150th mile	Halting allowance for 8 days.	0 6 0	3 0 0

As the halt at 150th mile was not interrupted by an absence of not less than three nights, halting allowance for eight days from 12th to 19th July must be disallowed, *i.e.*, Rs. 3–0–0 recovered. Thus, the total amount to be recovered from the clerk will be Rs. 15–6–0.

(*d*) I feel bound to remark that the checking of this clerk's journal shows either great carelessness or great ignorance, and must be regarded as proving incompetency for this work on the part of the checker responsible. I recommend that all the travelling allowance journals for the past year of S. Bheema Rao, if not of all the members of the division, be called for by audit and scrutinised.

19. Daily allowance of As. 4 per diem was erroneously passed for halts at his head-quarters, Kotapatam, on 24th September 1894 and 10th August 1894, to V. Murtirazu, temporary overseer's clerk, pay Rs. 15.

20. *Discrepancies in distances.*—The calculation of distances was found to vary on checking the journals of Mr. A. S. Russell, Executive Engineer, with those of the clerk, Venkatasubbiah, accompanying him on tour as follows : —

Month.	Executive Engineer's Journals show.	Clerks' Journals show.	Difference.
	Head-quarters, Madras (Mylapur).	*Head-quarters, Madras.*	
16th July 1894.	Madras to mile 31. Distance 35 miles. ..	Distance 33 miles ..	2 miles shorter to clerk.
24th do. ..	Coromandel lock to Madras. Distance 31 miles.	Distance 29 miles ..	Do.
	Head-quarters, Madras (Basin).	*Head-quarters, Madras.*	
15th Oct. 1894.	Mile 8 to Madras Distance 8 miles. ..	Distance 10 miles. ..	2 miles longer to clerk.

The calculations appear to take different head-quarters to reckon from. This should be explained.

21. (*a*) *Service Books.*—The re-attestation of the opening entries in the service book of clerk, S. Bheema Rao, is overdue.

(*b*) The opening entries and entry of first appointment still require Executive Engineer's signature (said to be delayed from absence on tour) in the service books of M. Ethiraju Pillai, assistant toll clerk, Adyar, and A. Venkatasawmy, peon of the Divisional office, appointed on 16th January 1895 and 1st December 1894, respectively.

22. *Leave erroneously granted.*—Privilege leave was granted for sixteen days from 10th March 1894 to D. Gopalasawmy Iyer, wharf clerk. He had only returned from leave without allowances on 25th June 1893, less than eleven months before, and was consequently not entitled to privilege leave.

III.—STORES.

23. *Reserve Stock.*—The stock reserve limit of this division is fixed at Rs. 3,000. A large portion of it, viz., two-thirds, valued at Rs. 2,120–12–0 consists of—

(i) Portion of the "building material" transferred from and credited to "extension of canal from Pennair to Kistnapenta" in August 1888, six years ago. It was then certified to be valued correctly and likely to be used within a reasonable time.

(ii) Portion of Jarrawood obtained in November 1887.

(iii) One stoneware pipe remaining out of a quantity obtained for works in July 1888.

(iv) Portion of laterite stone obtained in November 1894.

These are borne on books at original cost price and without any allowance for depreciation. These balances can, therefore, scarcely be looked upon as current and efficient. It appears needful to remark that the stock reserve limit is not intended to cover accumulations of surplus stock or stock returned from works which there is not a definite and distinct likelihood of using up within the twelve months.

24. *Accounts.*—The transactions on the stock reserve are few and far between. Even these have failed to be properly recorded in Forms Nos. 10 and 11. The transactions of the South Sub-division for May, June, and July 1894 have not been shown in them.

The stock abstract book was posted on the basis of the receipts and issues numerically shown in Form No. 12, no intermediate record in Forms Nos. 10 and 11 showing values, but the rate taken from the adjusted rates in half-yearly return.

25. (*a*) The Head-quarter Store Form No. 12 for June 1894 shows a receipt of 1,000 lb. of "copper sheets" from Public Works Stores, and its issue in July 1894 to the South Sub-division. The South Sub-division, however, shows in its Form No. 12 the receipt of only 998 lb., the quantity actually sent by Public Works Stores.

(*b*) The receipt and issue of the above are not recorded in the half-yearly return of the head-quarter store. The transfer within the division is, however, recorded as to values in the stock abstract books.

(*c*) The office copy of the half-yearly return of the Head-quarter Sub-division for 31st July 1894 does not show the receipts and issues by months. This was explained as due to the information not being required in the return to audits in which only the half-yearly totals are shown. It is not clear how the totals were obtained. The working up to them should be, of course, recorded in the office copy.

IV.—REVENUE.

26. (*a*) *Rent of lands.*—One item of revenue appears to demand attention. This is the rent of Rs. 25 per annum for 50 acres of land let to Veerasami Aiyengar. The rate is therefore 8 annas an acre.

(*b*) A document purporting to be an agreement was produced letting this land for twenty years from 1886. The so-called agreement only showed one contracting party, *i.e.*, Veerasami Aiyengar, who the other is is not stated on the document. The purport is that Veerasami Aiyengar agrees to rent land specified on an accompanying sketch for the purpose of planting casuarina trees.

(*c*) The sketch of the land is not affixed to the agreement or sealed. It is kept in the correspondence bundles.

(*d*) The agreement does not specify the compensation due to Veerasami Aiyengar in case the land has to be resumed. It was therefore impossible to check it with reference to extent of liabilities and powers of sanction under Vol. I, Chapter I, paragraph 127, (III) (*b*), (sixth edition).

(*e*) This Veerasami Aiyengar subsequently, in June 1890, became a temporary supervisor on Rs. 150 and was attached to the North Arcot division from September 1891, and appears to have remained in the department till November 1894. His intermediate movement could not be traced by me owing to want of classified lists. He does not appear to have returned to the Buckingham Canal division, however, and I could not therefore see whether he had made a declaration of holding an interest in this land.

(*f*) It may be pointed out with reference to the above, that if the land is likely to be required on emergency by the canal that a definite understanding must be come to regarding the compensation if any, to be paid when taken over. If the land is not likely to be required, then it should be made over to the Civil department and its value credited to the canal accounts.

V.—GENERAL.

27. *Records.*—The account records appeared to be kept systematically.

28. *Accountant.*—The new accountant appears to be settling down satisfactorily to his work.

29. *Delays in Returns.*—The Executive Engineer pointed out that Provincial objectionable items statement for May 1894 reached him on the 10th January 1895. One of the objections in it had been removed by a Government order on 19th November 1894. Subsequent Provincial objectionable items statement had not yet been received in the Divisional office.

16th February 1895. (Signed) C. C. SWETENHAM,
Inspecting Officer.

ORDER—dated 22nd April 1895, No. 924 W., Public Works.

Communicated to the Superintending Engineer, II Circle, for the information and guidance of the Executive Engineer, Buckingham Canal Division, special attention being drawn to the points brought to notice in the Examiner's covering note.

2. The Superintending Engineer will report on the suggestion in paragraph 6 of the Examiner's note and see that those in paragraphs 7 and 8 are carried out.

3. Explanation should be submitted with respect to the discrepancies in distances brought to notice in paragraph 20 of the inspection report.

4. The circumstances in which privilege leave was granted to wharf clerk D. Gopalaswamy Iyer when he was not entitled to the same should be explained.

5. The Superintending Engineer will inquire into the matters brought to notice in paragraph 26 of the inspection report and his attention is drawn to paragraph 29.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
„ other Superintending Engineers.
„ the Consulting Architect to Government.
„ the Superintendent of Works, Periyár Project.
„ the Examiner, Public Works Accounts.

Exd. C. A. Munisawmy.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated April, 22nd.

Recd. *Encl.*

G.O., 22nd April 1895, No. 924 W.

APRIL.

Inspection Report

Office-note from the Examiner submitting — on the accounts of the Buckingham Canal Division, communicated to Superintending Engineer, II Circle, with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers :—

From N. F. MACKENZIE, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, the 21st June 1895, No. 168 I.

In continuation of Public Works Department letter No. 197 I., dated the 5th October 1894, communicating the sanction of the Secretary of State to the revised estimate of the Periyár Project, I am directed to enquire whether there is any objection to the construction estimate of the project being closed with effect from the 31st March 1897, as the Government of India understand from the progress reports recently received that, by that time, the project will be practically completed.

From Colonel J. PENNYCUICK, R.E., Secretary to the Government of Madras, Public Works Department, to the Secretary to the Government of India, Public Works Department, dated 4th July 1895, No. 542 I.

I am directed to acknowledge the receipt of your letter No. 168 I., dated 21st June 1895, and to inform you, in reply, that there is no objection to the construction estimate of the Periyár Project being closed with effect from the 31st March 1897 as therein suggested. It is indeed probable that the estimate can be closed nearly a year before the date named.

From N. F. MACKENZIE, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, the 17th July 1895, No. 183 I.

I am directed to acknowledge the receipt of your letter No. 542 I., dated the 4th July 1895, and, in reply, to communicate the approval of the Government of India to the construction estimate of the Periyár Project being closed with effect from the 31st March 1897.

ORDER—dated 1st August 1895, No. 602 I., Public Works.

Communicated to the officers concerned with reference to G.O. No. 1057 I., dated 22nd December 1894.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, Periyár Project.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

Spare Copies

CHIEF ENGINEER
FOR IRRIGATION.
5 AUG. 95
5962

IRRIGATION.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated August, 1*st.*

Read. *Encl.*

G.O., 1st Aug. 1895, No. 602 I.

AUGUST.

Periyar Project

Government of India approval to the construction estimate of the — being closed with effect from 31st March 1897, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From W. C. DEMORGAN, Esq., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 1st May 1896, No. 203 G.D.

I have the honour to submit herewith, for sanction, two estimates received from the Executive Engineer, Eastern Division, Gódávari, for compensation for land taken up for excavating distributaries and drains amounting to Rs. 3,666 and Rs. 727, respectively, chargeable to "Extensions and Improvements"—"42. Major Works (Working Expenses)."

2. The estimates have been countersigned by the Collector.

ORDER—No. 485 I., dated 10th June 1896.

The following estimates are sanctioned :—

Irrigation.
42. Major Works (Working Expenses).
Gódávari Delta System.
Eastern Division.
Extensions and Improvements.
1. Land.

	Rs.
3. Distributaries—	
(1) Compensation for land taken up for excavating distributaries.	3,666
4. Drainage and Protective Works—	
(2) Compensation for land taken up for excavating drains ...	727

2. This sanction is registered as No. 50 I. of 1896–97.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, I Circle, with two estimates.
" Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.
Spare Copies

CHIEF ENGINEER
FOR IRRIGATION.
25 JUN. 96
No. 334

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 10*th.*

Recd. *Encl.*

G.O. No. 485 I., 10th June 1896.

JUNE.

Compensation for Land

The estimates amounting to Rs. 3,666 and 727, respectively, for — taken up for excavating distributaries and drains, Gódávari Eastern delta, sanctioned.

No. 503 I., 12TH JUNE 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated 9th April 1896, No. 30 N.L.

With reference to your No. II/4 N.L., dated 30th January 1896, I have the honour to forward herewith, for your approval and sanction of Government, plans and estimates, amounting to Rs. 15,500, for improving the Idimipalli tank in the Nellore division.

2. Copy of Executive Engineer, Nellore Division's No. 451 S.E., dated 19th February 1896, explains that the whole of the Potella river is impounded in the Idimipalli tank.

3. The Executive Engineer was authorised last May to put the works of (1) flush escape, (2) earthwork and (3) sluices in hand in anticipation of sanction to the estimate.

4. The report which accompanies the estimate explains the necessity for the work.

ENCLOSURES.

From the Executive Engineer, Nellore Division, to the Superintending Engineer, II Circle, dated 21st February 1896, No. 451 S.E.

With reference to your No. 579 N.L., dated 10th February 1896, I have the honour to report as follows :—

(1) The whole of the water of the Pottella river may be taken as being impounded in the Idimipalli tank and as having, in times of flood, to be discharged over the escapes provided. A little of the spill passes through a road dam on the Grand Trunk road and does not enter the tank. As the exact discharge of this road dam cannot be ascertained it is safer to allow for the hole flood discharge as entering the tank.

(2) I accept the Chief Engineer's calculations regarding the discharge, but beg to point out that a mistake has crept in. The catchment basin of the upper tanks has to be taken as 34 square miles instead of 20. This will necessitate the length of weir being reduced to 680 feet. I have made the following alterations in the estimate for this weir—(1) laterite rubble in mortar floor 2′ thick has been provided instead of a concrete one 1′ 6″ thick; (2) the retaining wall will be of laterite rubble in mortar instead of cut laterite in mortar. These alterations are found necessary for utilising the stones from the bye-wash which is now not necessary, but which has already been built. Provision is made in the data for the labour of building and removing the stones from the bye-wash.

(3) On account of alterations in the designs, the hydraulic statement and the report had to be altered. I have altered the former and written a new report which I forward herewith.

REPORT to accompany the plans and estimates for improvements to Idimipalli tank, No. 199 of Imperial list of tanks, II Circle.

	RS.
Amount of estimate	15,500
	ACS.
Ayacut	1,047
	RS.
Assessment	4,713

This tank is the terminal tank of the Idimipalli group with an ayacut of nearly 1,000 acres, of which 375 acres are shown in the irrigation register prepared in 1880. The tank has not been repaired for the last ten years. A greater portion of the bund has been washed away, and it is in a good many places below F.T.L. Consequently we cannot store water enough for these 375 acres even. The irrigation has fallen down to 180 acres. There is a good deal of waste land which can be brought under cultivation, if there is sufficient water. The F.T.L. has been kept at its original level, *i.e.*, the crest of the old weir. The capacity of the tank at this level is 80,000,000 cubic feet. Supposing the tank to be filled thrice during the year, it can supply water for about 1,200 acres of peshanam crop.

2. The tank has besides the supply from its own catchment basin, a good supply from the Pottella river, whose drainage area is about 80 square miles and which will supply in years of average rainfall water enough to fill this tank.

3. The tank has one surplus weir 150 feet long and a calingulah 100 feet long. The weir is in good order and requires slight repairs. The calingulah is an old work and is in such a bad state that it is not worth while repairing it. Both these put together are not enough for discharging the drainage. It is proposed to retain the old weir and to demolish the calingulah and put a bund across it. A new weir, 680 feet long (*vide* calculations on hydraulic statement sheet) will be built at cross section No. 42. The floor and the retaining wall of this weir will be of laterite rubble in mortar in order that we may utilise the revetment stones which were used for the bye-wash which had been built before the receipt of orders from the Chief Engineer. Provision is made in the data for the cost of the original building and the removal of the stones.

4. There were four sluices to this tank. One of these was washed away during the floods of November 1893 Of the other three, one is in the old calingulah which is to be demolished. The two others are also in bad order. Four new sluices are provided. To prevent the wave wash it is proposed to revet the front slope with vidavally sods which are procurable in a large well grown, form a very good protection to the bund. The portion which is directly exposed to the Pottella floods is to be revetted with stone.

5. Taking 1,000 acres as the possible ayacut, the revenue from the tank would be Rs. 5,000. The present revenue is Rs. 850. The net increase, therefore, is Rs. 4,150 per annum. Deducting from this a sum of Rs. 1,490 for the upkeep of the tank, the net revenue would be Rs. 2,660 or about 14 per cent. on the outlay.

	Rs.
Present estimate	15,520
Establishment, tools and plant at 23 per cent.	3,570
Total ...	19,090
or	19,000
Interest on	19,000 = 2,660
∴	$100 = \frac{2660}{19} = 14$

Of the upper tanks, the Kommalapudi, Budamaguntah and Kommalapudi Ana tank are not provided with adequate surplus weirs, they are being investigated; but as they discharge into the Pottella and as a ground escape has been provided for the Pottella floods, there will be no danger to this tank even if this should breach.

(Signed) R. A. SRINIVASA AIYANGAR,
Ex. Engineer, Nellore Division.

19th February 1896.

No. 117 I.

Note by the Chief Engineer for Irrigation.

In Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), No. 447, dated 30th January 1895, it was brought to the notice of the Chief Engineer for Irrigation that, owing to the bad condition of the Idimipalli tank, the average area irrigated by the tank had fallen to about one-fifth of the full ayacut of 1,524 acres.

2. These Proceedings were forwarded to the Superintending Engineer, II Circle, with instructions to put in hand the complete repairs of the tank as soon as possible.

3. An estimate was prepared amounting to Rs. 18,300 and was received on the 22nd August 1895 in this office. It was returned to the Superintending Engineer with remarks on the 23rd August 1895, resubmitted on the 25th November 1895, and returned again with further remarks on the 30th January 1896.

4. It was my intention to have inspected the work in January last with the late Executive Engineer Mr. C. H. D. Marjoribanks, but, owing to the untimely decease of that officer, the arrangement fell through. The estimate, revised finally in accordance with instructions from this office, was received on the 11th April last. At the time the Superintending Engineer was ordered to take measures for the repairs of the tank it was not anticipated that the nature of the work would throw it out of the scope of his powers of sanction. The work being of an emergent nature, however, and the expected increase of revenue being over Rs. 4,000, it would have been impolitic to have stopped the work especially after a contract for it had already been entered into by the Superintending Engineer in April 1895, and the action of this office was confined to urging the Superintending Engineer to expedite the submission of the estimates. Had it not been that the technical details demanded considerable and extended investigation, it is most probable that the estimate would have received the sanction of Government on the first occasion of its submittal.

5. The expenditure down to March last amounts to Rs. 10,002 and the tank should now, it is hoped, be in a condition to irrigate its full ayacut, thus yielding a percentage of about 25 per cent. on the outlay.

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Chief Engineer for Irrigation.

4th June 1896.

ORDER—No. 503 I., dated 12th June 1896.

The following estimate is sanctioned:—

Irrigation.
43. Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
Improving Idimipalli tank No. 199 of the list of works in the Nellore district appended to G.O. No. 407 I., dated 6th July 1887.

	Rs.
Estimate	15,500

2. This sanction is registered as No. 59 I. of 1896–97.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, II Circle, with twenty-one enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. C. M. Thumbuswamy.
Spare Copies

CHIEF ENGINEER FOR IRRIGATION.
No. 3576

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 12th.

Recd. *Encl.*

G.O. No. 503 I., 12th June 1896.

JUNE.

Idimipalli Tank, Nellore District

The estimate of Rs. 15,500 for improving the —, sanctioned.

No. 614 I., 28TH JULY 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated 14th February 1896, No. 2378 K.S.

I have the honour to forward herewith, for your approval and sanction of Government, estimate amounting to Rs. 1,750 for constructing a drainage inlet in the 4th mile of Main canal, and to request that you will be so good as to sanction the amount from the sum of Rs. 8 lakhs placed at the disposal of Government to meet the outlay on unforeseen works of the Kistna delta system, as per G.O. No. 65 I., dated 18th January 1896.

2. The report which accompanies the estimate explains the necessity for the work.

ENCLOSURE.

REPORT to accompany the estimate for constructing a drainage inlet in the 4th mile of Main canal.

	RS.
Estimate	1,750

On the right side of Main canal, between Seetanagaram and Vadheswaram, there is a basin of about 2 square miles, bounded on three sides by steep hills, and the drainage from this basin has to be discharged into the Main canal.

For this purpose, a masonry drainage sluice was constructed some years ago at 3 miles 2½ furlongs, with vent 3′ × 3′.

2. In this basin there are four small tanks—two belonging to Kolanukonda Agraharam and the other two to Vadheswaram Agraharam. During the rains of October 1892, the two tanks of Kolanukonda and one of the Vadheswaram tanks breached, and the water from these tanks, together with the drainage water from the basin, had to be discharged through the drainage sluice, which was found to be too small for the purpose. Consequently, a breach occurred at Vadheswaram crossing, scouring away the spoil bank and tow-path. Attempts were made to calculate the discharge through the breach, but no reliable data could be obtained.

3. On account of the heavy rain of the 5th September 1895, the tanks breached again and the water from the tanks and from the drainage basin flowed into the Main canal, through the drainage sluice and through the Vadheswaram breach, which was left as a gap without being closed. On this occasion, the data for calculation of discharge through the breach and through the drainage sluice were obtained, and it was found that the discharge through the breach was 372 cubic feet per second, and that through the drainage sluice, 114 cubic feet per second, making the total discharge from the catchment basin 486 cubic feet per second. This gives C = 307·6 in the formula $D = CM^{\frac{2}{3}}$.

4. As the rainfall of the 5th September was probably not a maximum, it is considered necessary to provide an inlet to discharge 486 cubic feet per second, apart from the consideration that the existing drainage sluice is capable of discharging 114 cubic feet per second. An inlet 80 feet long with a depth of 1½ feet of water is capable of discharging 496 cubic feet per second; and this 80 feet inlet will be constructed with a roughstone in mortar body wall and roughstone pavement and revetment in order to prevent the scouring away of the canal slope and tow-path. This waterway and discharge of 610 cubic feet per second will give C = 386.

The coefficient of discharge of inlet has been taken as ·625 as the water has a free discharge into the canal.

(Signed) L. D. VENKATARAMA AIYAR,
Sub-Divisional Officer.

16th October 1895.

(„) A. A. G. MALET,
Ex. Engr., Kistna Western Divn.

4th November 1895.

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated 17th February 1896, No. 2387 K.S.

With reference to your memo. No. II/142 K.S., dated 3rd September 1895, I have the honour to resubmit herewith the estimate, amounting to Rs. 6,000, for compensation for land required for the Bank canal, Kistna Western division, and to request that you will be so good as to obtain the sanction of Government to the estimate being sanctioned from the balance available for unforeseen works of the Kistna delta system.

From the Superintending Engineer, II Circle, dated 6th July 1896, No. 867 K.W.
From the „ „ II „ „ 6th „ „ 868 K.W.

No. 138 I.

Submitted to Government.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
17th July 1896. Chief Engineer for Irrigation.

ORDER—No. 614 I., dated 28th July 1896.

The following estimates are sanctioned from the provision made for item 710 of the statement printed in Proceedings of Madras Government, No. 857 I., dated 11th October 1893 :—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Kistna Delta System.
Western Section.
I. Works.
2. Main Canals and Branches.
Main Canal.
6. Other Cross drainage works.
1. Constructing a drainage inlet in the 4th mile.

	Rs.
Estimate	1,750

Bank Canal.
2. Land.
2. Compensation for land.

Estimate	

2. This sanction is registered as No. 90 I. of 1896–97.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, II Circle, with two enclosures.
„ Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.
Spare Copies

CHIEF ENGINEER FOR IRRIGATION. 15 AUG. 96 No. 431

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated July, 28th.

Read. *Encl.*

G.O. No. 614 I., 28th July 1896.

JULY.

Inlet

Estimates amounting to Rs. 1,750 and Rs. 6,000, respectively, for constructing a drainage — in the Main canal and for compensation for land required for Bank canal, Kistna Western delta, sanctioned.

2688

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated 21st July

Read. Encl.

G.O. No. 1107 1895, No. 846

Abstract Statement.

Govt of India letter requesting that early steps be taken to regularize the remaining area included in the accounts of the Irrigation Branch, to end of April 1895, Comments of Chief Engineer concerned with remarks

100/8

12 Nov

No. 846 I., 18TH OCTOBER 1895.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

From N. F. MACKENZIE, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, the 25th September 1895, No. 239 I.

I am directed to invite your attention to the irregularities in connection with the works enumerated in the accompanying copy of a statement (which has been furnished by the Accountant-General, Public Works Department), of objectionable items remaining unremedied in the accounts of the Irrigation Branch, Madras, to end of April 1895, and to request that early steps may be taken to regularize the various items in question.

ENCLOSURE.

MADRAS—PROVINCE.

EXTRACT from the statement of objectionable items in the accounts of Executive Engineers remaining unremedied to end of April 1895.

Division.	Name of work.	Month in the accounts of which objectionable expenditure first appeared.	Number of item.	Amount of estimate.	Excess expenditure.		Remarks.
					During month.	To end of month.	
	35. CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS—IMPERIAL.			RS.	RS.	RS.	
	No Estimate.						
Rushikulya division ..	No. 13 Distributary, Rushikulya canal	September 1894 ..	1	..	834	2,893	Sanction to estimate still awaited.
	Excess over Estimate.						
Do. ..	Excavation of Rushikulya canal	February 1892 ..	1	7,00,000	71	20,323	Sanction to excess still awaited.
	42. MAJOR WORKS (WORKING EXPENSES)—IMPERIAL.						
	No Estimate.						
Kistna Eastern division..	Tools required for Kistna Eastern division	December 1893 ..	1	..	..	3,729	Sanction of Government to admit the outlay is still awaited.
	Constructing iron posts for circular trap punt	March 1893	1	..	..	1,663	
	Tools required for the Kistna Eastern division	Do. (supply) ..	1	..	..	4,412	Rupees 2,530 has been sanctioned in G.O. No. 481 I., dated 1st June 1893. Sanction to the further outlay is awaited.
	Excess over Estimate.						
Gódávari Eastern ..	Diversion of Bank canal below the Muskapally lock	March 1894 (supply) ..	1	10,600	..	2,608	Sanction to the excess is still awaited.
	49. IRRIGATION—IMPERIAL.						
	No Estimate.						
Kistna Eastern ..	Widening the Ellore canal	September 1893 ..	1	..	..	4,132	Sanction to estimates still awaited.
Do. Western ..	Do. tow-path from 12th to 18th on the right bank of main canal from ¾th to 12th mile.	October 1893	1	..	..	2,134	
	Excess over Estimate.						
Periyár No. II ..	Excavation of main channel, XI reach	March 1894	1	39,512	179	14,243	Sanction of Government to excesses is awaited.
	Do. of 9th branch channel	September 1894 ..	1	56,640	1,270	10,144	
	43. MINOR WORKS AND NAVIGATION—PROVINCIAL.						
	No Estimate.						
Cuddapah	Repairs to Dorai cheruvu	May 1893	1	..	..	2,662	Sanction to estimate still awaited.
	Excess over Estimate.						
Bellary	Improvements to Roya channel	July 1894	1	29,707	..	3,821	Sanction to excesses still awaited.
North Arcot	Widening and deepening the Cheyar main channel	Do.	1	72,400	686	4,320	
Gódávari Eastern ..	Raising the Gódávari river left embankment from Rajahmundry to Yanam.	September 1893 ..	1	45,000	..	7,006	

SIMLA,
13th September 1895.

(Signed) G. H. LEMAISTRE,
for Accountant-General.

ORDER—No. 846 I., dated 18th October 1895.

Communicated to the Superintending Engineers concerned, who will take early steps to regularize the expenditure incurred on the works detailed in the statement appended to the foregoing letter from the Government of India. It is observed that the objections to the whole of the items are outstanding for more than a year and it is high time that they were removed.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, I Circle.
" " " II "
" " " III "
" " " IV "
" " " VI "
" Examiner, Public Works Accounts.

Exd. Shaik Karim.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated October, 18*th.*

Read.

Encl.

G.O. No. 846 I., 18th Oct. 1895.

OCTOBER.

Objectionable Items

Government of India letter requesting that early steps be taken to regularize the — remaining unremedied in the accounts of the Irrigation Branch to end of April 1895, communicated to Superintending Engineers concerned with remarks.

Madras - Province.

Extract from the statement of objectionable items in the accounts of Executive Engineers remaining unremedied to end of April 1895.

Division	Name of work	Month in the accounts of which objectionable expenditure first appeared.	No. of item	Amount of Estimate	Excess Expenditure During Month.	Excess Expenditure To end of month	Remarks.
				Rs.	Rs.	Rs.	
	35. Construction of Protective Irrigation Works - Imperial						
	No Estimate						
Rushikulya Division	No. 13 Distributory Rushikulya Canal —	September 1894	1	"	834	2,893	Sanction to estimate still awaited
	Excess over Estimate						
Do	Excavation of Rushikulya Canal —	Feby: 1892	1	7,00,000	71	20,323	Sanction to excess still awaited
	42. Major Works - Working Expenses - Imperial						
	No Estimate						
Kistna Eastern Dn	Tools required for Kistna Eastern Dn	Decr 1893	1	"	"	3,729	Sanction of Government to admit the outlay is still awaited
	Constructing iron posts for circular trap punt	March 1893	1	"	"	1,663	
	Tools required for the Kistna Eastern Division	Do Supply:	1	"	"	4,412	Rs 2,530 has been sanctioned in G.O. No 481 dated 1-6-93 - Sanction to the further outlay is awaited.
	Excess over Estimate						
Godavari Eastern	Diversion of Bank canal below the Muskapally lock	March 1894 (Supply)	1	10,600	"	2,608	Sanction to the excess is still awaited.
	49. Irrigation - Imperial						
	No Estimate						
Kistna Eastern	Widening the Ellore canal	Septr 1893	1	"	"	4,132	Sanction to Estimates still awaited.
Kistna Western	Do towpath from 12th to 18th on the right bank of main canal from 4/7 to 12th mile	Octr 1893	1	"	"	2,134	
	Excess over Estimate						
Periyar No II	Excavation of main channel XI Reach	March 1894	1	39,512	179	14,243	Sanction of Government to excesses is awaited.
	Excavation of 9th Branch Channel	Septr 1894	1	56,640	1,270	10,144	
	43. Minor works and Navigation Provincial						
	No Estimate						
Cuddapah	Repairs to Dorai cheruvu	May 1893	1	"	"	2,662	Sanction to estimate still awaited.
	Excess over Estimate						
Bellary	Improvements to Roya channel	July 1894	1	29,707	"	3,821	Sanction to excesses still awaited.
North Arcot	Widening and deepening the cheyar Mdin channel	July 1894	1	72,400	686	4,320	
Godavari Eastern	Raising the Godavari river left embankment from Rajahmundry to Janam	Septr 1893	1	45,000	"	7,006	

(Sd.) G. A. le Maistre,
for Accountant General.

Simla, 13th September 1895.

Ev 1
P.W. 7688/95

All communications should be addressed to the Secretary.

No. 239 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.
Irrigation.

To

The Secretary to the Government of Madras,

Public Works Department.

Simla, the 25th September 1895.

Sir,

I am directed to invite your attention to the irregularities in connection with the works enumerated in the accompanying copy of a statement (which has been furnished by the Accountant General, Public Works Department) of objectionable items remaining unremedied in the Accounts of the Irrigation Branch, Madras, to end of April 1895, and to request that early steps may be taken to regularize the various items in question.

I have the honour to be,

Sir,

Your most obedient servant,

N. F. Mackenzie

Under Secy. to the Govt. of India.

Document accompanying:- Copy.

Copy of statement of objectionable items referred to.

A.R.

P. W. CURRENT No. 7688

Encls 1

Read 8-10-95.

A

Est 128

No 846 I. of 18 October 1895

Order thereon:-

Communicated to the Superintend-
-ing Engineers concerned, who will take
early steps to regularize the expendi-
-ture incurred on the works detailed
in the statement appended to the fore-
-going letter from the Government of
India. It is observed that the
objections to the whole of the items
are outstanding for more than a year
and it is high time that they were
removed.

Received 5-Oct-95

Encls 1.

7/11

2/8/10

I 13 c/s
II 11 "
III 11 "
IV -9-
VI -5-

DESPATCHED
25 OCT. 95

10/10

Recas 14/10

To

The Chief Engr: for Irrigation.

The Supg: Engrs: I, II, III, IV & VI circles

The Examiner, P.W. Accounts

0S408A

Read 1371 10/10 '95

No. 257 I., 16TH MARCH 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

From O. C. LEES, Esq., Officiating Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, the 15th February 1896, No. 30 I.

In continuation of Public Works Department letter No. 239 I., dated the 25th September 1895, I am directed to invite attention to the irregularities in connection with the works enumerated in the accompanying copy of, and extract from, the statements (which have been furnished by the Accountant-General, Public Works Department) of objectionable items remaining unremedied in the accounts of the Irrigation Branch, Madras, to end of September 1895, and to request that very early steps may be taken to regularize the various items in question, as most of the irregularities are of long standing.

2. I am to take this opportunity to point out that the items marked X, to which the attention of the Government of Madras was previously invited in the Public Works Department letter quoted above, are still remaining unadjusted.

ENCLOSURES.

Irrigation Branch, Madras.

STATEMENT showing the more serious irregularities outstanding at end of September 1895.

Particulars.	Number of works.	Since when outstanding.	Amount of estimate.	Excess expenditure.
			Rs.	Rs.
35. *Construction of Protective Irrigation Works.*				
1. Excavation of Rushikulya canal	1	February 1892 ..	7,00,000	18,593
2. Catch drains, M hauadi canal	1	September 1893 ..	2,000	150
3. Other small items	4	1894	8,270	845
42. *Major Works (Working Exenyses), Imperial.*				
4. Tools for Kistna Eastern division	1	December 1893 ..	..	3,729
5. Iron post for circular trap punt, Kistna Eastern division	1	March " ..	..	1,663
6. Tools for Kistna Eastern division	1	" " ..	..	4,412
49. *Irrigation, Imperial.*				
7. Widening Ellore canal	1	September 1893 ..	..	4,132
8. Compensation for Pelroy codu	1	August 1894 ..	..	1,721
9. Head sluice at Seetanagaram	1	December 1894 ..	..	24,104
10. Compensation for land for improving Bank canal ..	1	" 1892 ..	2,050	534
11. Other small items	4	1893	22,739	908
12. Do.	12	1894	23,837	4,183
13. Excavation of main channel, XI Reach, Periyár division, No. II	1	March 1894 ..	39,512	19,404
14. Excavation of branch channel, XI Reach, Periyár division, No. II	1	September 1894 ..	56,640	15,117
43. *Minor Works and Navigation, Provincial.*				
15. Raising flood embankment on Gowtami, Gódávari ..	1	September 1893 ..	45,000	7,196
16. Widening and deepening Cheyar main channel ..	1	July 1894 ..	72,400	5,314
17. Improvement to Roya chanel	1	" " ..	29,707	3,829
18. Do. to Thoortha channel	1	August 1894 ..	17,459	5,503
19. Small items	2	1892	10,110	1,877
20. Do.	4	1893	9,200	2,071
21. Do.	3	1894	35,200	617
22. Closing breaches, &c., Royacheruvu tank ..	1	March 1893 ..	..	538
23. Improving Totimapally tank	1	April 1895 ..	..	7,462

CALCUTTA,
1st February 1896.

(Signed) A. R. BECHER,
Officiating Accountant-General.

Civil and Irrigation Works, Madras.

EXTRACT from Abstract of irregular expenditure outstanding at end of September 1895.

Items.	Without estimate.		In excess of estimate.			Without appropriation.			In excess of appropriation	
	Number of works.	Amount expended.	Number of works.	Amount of estimate.	Excess expenditure.	Number of works.	Amount expended.	Number of works.	Amount of appropriation.	Excess expenditure.
		RS.		RS.	RS.		RS.		RS.	RS.
Irrigation Branch.										
35. Construction of Protective Irrigation Works, Imperial.	2	3,555	16	7,48,160	23,975	..	..	..	..	..
42. Major Works (Working Expenses), Imperial	6	18,780	5	20,095	5,150	..	..	..	..	..
43. Minor Works and Navigation, Provincial	16	21,612	29	3,17,929	43,627	..	..	..	..	..
49. Irrigation, Imperial ..	6	32,681	52	7,90,474	62,060	..	..	..	..	..
Total ..	30	76,628	102	18,76,658	1,34,812	..	..	..	..	..

No. 60 I.

Note by the Chief Engineer for Irrigation.

Item 1.—The Examiner of Public Works Accounts has already been authorized to pass the excess in G.O. No. 128 I., dated 6th February 1896.

Item 9.—An estimate, amounting to Rs. 88,000, for the new head-sluice at Sitanagaram, has been approved in G.O. No. 112 I., dated 3rd February 1896, and will be formally sanctioned when the sanction of the Government of India is communicated to the application made in Proceedings, Madras Government, No. 65 I., dated 18th January 1896, for an additional sum for unforeseen works of the Kistna delta system.

Item 10.—On receipt of the Government of India sanction above referred to, the estimate of Rs. 6,000 submitted by the Superintending Engineer with his letter No. 2387 K.S., dated 17th February 1896, will be disposed of.

Item 14.—A revised estimate, amounting to Rs. 77,000, submitted by the Superintending Engineer, VI Circle, with his letter No. 100 M.W., dated 30th January 1896, is now under the consideration of Government.

Items 16, 17 *and* 18.—The excesses on these items have already been sanctioned in G.O. No. 1100 I., dated 19th December 1895, and G.O. No. 59 I., dated 18th January 1896.

Item 19.—This comprises the following two works :—

(*a*) *Kistna Western Division.*—Converting right bank of Bank canal at Penumudi into a river flood bank, excess Rs. 757.

(*b*) *Kurnool Division.*—Closing breaches and strengthening bund of Yeldurti tank, excess Rs. 1,120.

The objection against (*b*) has been removed by the sanction given in G.O. No. 60 I., dated 18th January 1896.

Item 21.—The three works referred to are—

	Excess. RS.
Chingleput Division—	
(*a*) Kulody tank repairs	11
(*b*) Kuam tank repairs	83
Cuddapah Division—	
(*c*) Hastinapuram tank	523

The objections to (*b*) and (*c*) have been removed by the sanctions accorded in G.O. No. 173 I., dated 15th February 1896, and G.O. No. 227 I., dated 5th March 1896.

Item 22.—An estimate, amounting to Rs. 10,300, for improvements to the Royalcheruvu tank, in the Bellary division, has since been sanctioned—*vide* G.O. No. 224 I., dated 4th March 1896.

Item 23.—The estimate for the Idimapalle tank, in the Nellore division, was returned to the Superintending Engineer, II Circle, for revision, with Memorandum No. 4 N.L., dated 30th January 1896.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

8th March 1896.

ORDER—No. 257 I., dated 16th March 1896.

Communicated to the Superintending Engineers concerned, who will take immediate steps for regularizing the expenditure incurred on the items enumerated in the list appended to the letter from the Government of India, the objections to which have not already been removed.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineers, I, II, III, V and VI Circles.
„ the Examiner, Public Works Accounts.

Exd. Md Pahilvan.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated March, 16th.

Recd. *Encl.*

G.O. No. 257 I., 16th Mar. 1896.

MARCH.

Objectionable Items

Government of India letter requesting that very early steps be taken to regularize the — remaining unremedied to end of September 1895 in the accounts of the Irrigation Branch, Madras, communicated to Superintending Engineers concerned with remarks.

All communications should be addressed to the Secretary.

Read the following

No. 30 I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.
Irriation.

To

The Secretary to the Government of Madras,
Public Works Department.

Calcutta, the 13th February 1896.

Sir,

× Govt. 8463 P. 18.10.95. In continuation of Public Works Department letter No.239 I., dated the 25th September 1895, I am directed to invite attention to the irregularities in connection with the works enumerated in the accompanying copy of, and extract from, the statements (which have been furnished by the Accountant General, Public Works Department) of objectionable items remaining unremedied in the Accounts of the Irrigation Branch, Madras, to end of September 1895, and to request that very early steps may be taken to regularize the various items in question as most of the irregularities are of long standing.

2. I am to take this opportunity to point out that the items marked X to which the attention of the Government of Madras was previously invited in Public Works Department letter quoted above, are still remaining unadjusted.

I have the honour to be,
Sir,
Your most obedient servant,

O. C. Lees

Offg. Under Secy. to the Govt. of India.

Documents accompanying:-

Copy of, and Extract from,

Statements of objectionable items referred to.

S.A.

P. W. CURRENT No. 1717

Encls 2

Recd: 20.2.96
Rdby B 21.2.96

Irrigation Branch Madras.

Statement showing the more serious irregularities outstanding at end of September 1895.

Particulars.	No. of works	Since when outstanding	Amount of Estimate	Excess expenditure.
35 Construction of Protective Irrigation works Imperial.			Rs:	Rs:
1 Excavation of Rushikulya Canal. X	1	Febr: 92	7,00,000	18593.
2 Catch drains Mahendrabadi Canal.	1	Septr: 93	2.000	150.
3 Other small items.	4	1894	8270	845
42. Major works working Expenses Imperial				
4 Tools for Kistna Eastern Division X Division	1	Decr: 93	,,	3,729
5 Iron Post for circular trap paint Kistna Eastern. X	1	March 93	,,	1,663
6 Tools for Kistna Eastern Division. X	1	Do.	,,	4,412
49 Irrigation Imperial				
7 Widening Elloze Canal X	1	Septr: 93	,,	4.132.
8 Compensation for Pelroy Cadu	1	Augt: 94	,,	1,721
9 Head sluice at Seetaramgram.	1	Decr: 94	,,	24.104
10 Compensation for land for improving Bank Canal	1	Decr: 92	2.050	534
11 Other small items	4	1893	22.739	908
12 Ditto. Division No. II	12	1894	23.837	4.183
13 Excavation of main channel XI Reach Periyar. X	1	March 94	39.512	19.404
14 Do. branch Do Do. X	1	Septr: 94	56.640	15.117
43. Minor works and Navigation Provincial				
15 Raising flood embankment on Gowtami Godavari X	1	Septr: 93	45.000	7.196
16 Widening and deepening Periyar main channel X	1	July 94	72.400	5.314
17 Improvement to Royal channel	1	July 94	29.707	3.829
18 Do. Tiruvetta channel	1	Augt. 94	17.459	5.603
19 Small items	2	1892	10.110	1.877
20 Do.	4	1893	9.200	2.071
21 Do.	3	1894	35.200	617
22 Closing breaches to Royal Channel tank	1	March 93	,,	588
23 Improving Ithimapally tank	1	April 95	,,	7462.

Calcutta, the 1st February 1896.

(Sd) A. R. Beeches.
Offg. Accountant General.

P. W. CURRENT No. 1717

Civil and Irrigation works Madras

Extract from Abstract of irregular expenditure out standing at end of September 1895.

Items	Written Estimate		Excess of estimate			Written appropriation			Excess of appropriation	
	No of works	Amount Expended	No of works	Amount of estimate	Excess Expenditure	No of works	Amount Expended	No of works	Amount of Appropriation	Excess Expenditure
		Rs		Rs	Rs		Rs		Rs	Rs
×	×	×	×	×	×	×	×	×	×	
Irrigation Branch										
35 Construction of Protective Irrigation works Imperial	2	3,555	16	748,160	23,975	"	"	"	"	"
42 Major works - working expenses Imperial	6	18,780	5	20,095	5,150	"	"	"	"	"
43 Minor works and Navigation Provl:	16	21,612	29	3,17,539	13,627	"	"	"	"	"
49 Irrigation Imperial	6	32,681	52	750,474	62,060	"	"	"	"	"
	30	76,628	102	18,76,658	1,24,812					

P. W. CURRENT No. 1717

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Govt of India. No. 30. I. & 15 Feb 96
No 60 I dt 8/3/96

Note by the Chief Engr. for Irrigation.

Item 1. The Examiner of P.W. has already been authorised to pass the excess in G.O. No. 128. I. & 6 Feb 96.

Item 9. An estimate, amtg to Rs 8000, for the new head sluice at Sitanagaram has been approved in G.O. No 112. I. & 5 Feb 96 & will be formally sanctioned when the sanction of the Govt of India is

communicated to the
application made in
Pub'g No 65 I, dy 18 Jan 96,
for an additional sum
for unforeseen works
of the Kistna Delta System.

Item 10 On receipt
of the Govt of India
sanction above referred
to, the estimate of
Rs 6000 submitted
by the Supdg Engr with
his letter No 2387 K.S.
dy 17 Feb 96, will
be disposed of.

Item 14. A revised
estimate, amtg to Rs
77,000 submitted by
the Supdg Engr, V. Circle
with his letter, No
1001 Md, dy 30 Jan 96,
is now under the
consideration of Govt.

Items 16, 17 & 18. The proposals
on these items have
already been sanctd
in G.O. No 1100 I dy 19 Dec 95
& G.O. No 57 I, dy 18 Jan 96.

Item 19. This comprises
the following two
works —

(a) Kistna Westernde
Converting right bank
of Bank Canal at
Nemmadi into a
river flood bank.
Estimate Rs 757.

(b) Kurnool Dr.
Closing breaches &
Strengthening bundg
Yeldurti tank.
Estimate Rs 1120.

The objection against
(b) has been removed
by the sanction given
in G.O. No 60 I, dy
18 Jan 96.

Item 21. The three works
referred to are —

		Estimate Rs
	Chingleput Dr.	
(a)	Kulvoy tank repairs	11
(b)	Kuan tank do	83
	Cuddapah Dr.	
(c)	Hastinapuram tank	523

The objection to (b)
& (c) have been removed

P. W. CURRENT No. 1872.

1872

ours the sanctions accorded
vide Go. no. 173 I. dy 15 Feb/96
Do Go No. 227. I., dy 5 Mar/96.
Item 22. An estimate
for Rs 10,300, for
improvements to the
Royalcheruvu tank
in the Bellary Dist.
has since been sanc-
tioned - vide Go. no.
224. I., dy 4th March/96.
Item 23. The estimate
for the Ichinapalli
tank in the Nellore
Dt was returned
to the Supt Engr, II
Circle, for revision
with Memo No
4 W.R. dy 30 Jan/96.

Ruedx
8/3

E. I. Form No. 1—500—14-5-95

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

No. 257. dy 16 March/96.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Order thereon.

Communicated to the Supg Engrs concerned who will take immediate steps for regularizing the expenditure incurred on the items enumerated in the list appended to the letter from the Govt of India, the objections to which have not already been removed.

C
13 Mar

DT 1- APR. 96

To
The Chief Engr for I.
Supg Engrs. I
2. 3, V & VI
Circles
Supdg Engr.

ICCS
7/3/96

JJS
7/3

Ruedx
8/3

P. W. CURRENT No.

No. 846 dy 18-10-95 ✓
" 1739 - 15-2-96 ✓
" 603 - 18-1-96 ✓
" 593 - 18-1-96 ✓
" 11003 - 19-12-95 ✓
" 659 - 18-1-96 ✓
" 1129 - 3-2-96 ✓
" 1289 - 6-2-96 ✓

No 2

Statement of Objectionable expenditure upto end of Sept: 95

Recd: 11-3-96

~~No. 25. dy 16 March 96~~

E. I. Form No. 1—500—14-5-95

Recd. from Office 10/3/96.

U. S. 11/3

1872

Govt. of 1876 Madras.

PUBLIC WORKS.

	Department.	C. No.	Year.	clerk taking the paper or of attender.	Date returned.	attended