8

(1) பக்கங்களின் எண்ணிக்கை 80

(2) புதுக்கித் திருப்பிய நாள் 7/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 1004 அச்சகம் / பலவகை

நாள் : 28-3-1888 ~~198~~.

வோ கண்டபடி கையாளவோ கூடாது

1—18,000—15-6-87.

1004/1

28th March 1888, No. 1004 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From the Superintending Engineer, VI Circle, dated 27th February 1888, No. 2154 T.J.

ENCLOSURE.

STATEMENT of Proposition for Temporary Establishment required for 1888-89.

Orders sanctioning the present Establishment—Government of Madras, P. W. Dept.		Office to which the proposition refers.	Nature of Change.												Proposition.					
			Present Scale.						Proposed Scale.						Permanent.		Temporary.			
Number.	Date.		Number.	Designation.	Pay.				Number.	Designation.	Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
					Minimum.	Increment.	Maximum.	Average or fixed.			Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
				Office Establishment.	RS.	RS.	RS.	RS.		*Office Establishment.*	RS.	RS.	RS.	RS.	RS.	RS.	MTHS.	RS.	MTHS.	RS.
No. 1464 W.	30th May 1887.	Ramnad Division.	1	Draftsman	..	..	..	40	1	Drafstman	..	..	..	40	..	..	..	..	..	..
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
			1	Clerk	..	..	..	40	1	Clerk	..	..	..	40	..	..	..	..	..	..
			1	Do.	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
			4	Clerks at Rs. 15 each ..	..	..	..	60	5	Clerks at Rs. 15 each ..	..	..	..	75	..	..	..	15	..	..
			1	Messenger	..	..	..	7	1	Messenger	..	..	..	7	..	..	..	..	..	..
			1	Do.	..	..	..	6	1	Do.	..	..	..	6	..	..	..	..	..	..
				Total ..	..	..	..	223		Total ..	..	..	..	238	..	..	..	15	..	..
				Petty Establishment.						*Petty Establishment.*										
			6	Lascars at Rs. 6 each ..	..	..	..	36	6	Lascars at Rs. 6 each ..	..	..	..	36	..	..	..	..	..	..
				Total per mensem ..	..	..	..	259		Total per mensem ..	..	..	..	274	..	..	..	15	..	..
				Office Establishment.						*Office Establishment.*										
No. 2235 W.	5th November 1887.	Madura Division.	1	Clerk	..	..	..	30	1	Clerk	..	..	..	30	..	..	..	..	..	..
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
				Total per mensem ..	..	..	..	50		Total per mensem ..	..	..	..	50	..	..	..	..	..	..
				Office Establishment.						*Office Establishment.*										
			1	Clerk	..	..	..	15	1	Clerk	..	..	..	15	..	..	..	..	..	..
				Petty Establishment.						*Petty Establishment.*										
No. 1376 W.	19th May 1887.	Vaigai Bridge.	5	Lascars on Rs. 6 each ..	..	..	..	30	5	Lascars on Rs. 6 each ..	..	..	..	30	..	..	..	..	..	..
				Total per mensem ..	..	..	..	45		Total per mensem ..	..	..	..	45	..	..	..	..	..	..
				Office Establishment.						*Office Establishment.*										
No. 2289 W.	25th August 1887.	Tinnevelly Division.	1	Clerk	..	..	..	30	1	Clerk	..	..	..	30	..	..	..	..	..	..
			2	Draftsmen on Rs. 40 each ..	..	..	..	80	1	Draftsman on Rs. 35 ..	..	..	..	35	..	..	..	..	..	45
				Total per mensem ..	..	..	..	110		Total per mensem ..	..	..	..	65	..	..	..	..	..	45
										Office Establishment.										
....	....	Superintending Engineer's Office.	..	....	..	..	..	..	1	Clerk	..	..	..	15	..	..	..	15	..	..
				Grand Total per month ..	..	..	..	464		Grand Total per month ..	..	..	..	449	..	..	..	30	..	45
				Grand Total per annum ..	..	..	..	5,568		Grand Total per annum ..	..	..	..	5,388	..	..	..	360	..	540
										Net decrease per annum ..	..	..	..	..	..	..	..	..	..	180

TRICHINOPOLY,
27th February 1888.

(Signed) J. W. RUNDALL,
Superintending Engineer, VI Circle.

Submitted to the Chief Engineer, Public Works Department, for sanction.

2. The five upper subordinates in the Ramnad division are working under the Executive Engineer's direct orders, there being no sub-divisions; consequently the work in the division office is heavier than would be the case if there were sub-division establishments. The additional clerk on Rs. 15 now applied for is absolutely necessary.

3. The continued employment of the temporary clerk on Rs. 30 in the Madura division office is recommended for the reasons given in the Executive Engineer's letter, No. 490 S.E., dated 3rd October 1887, printed with G.O., No. 2935 W., dated 5th November 1887. As it is proposed to spend nearly a lakh on irrigation works next year in the Dindigul sub-division, and there will be a very large number of works in hand, the office work will be greatly increased, and the services of an extra clerk on Rs. 20 per mensem are indispensable.

4. The establishment asked for is the same as at present sanctioned. The necessity of employing a special Executive Engineer in charge of the bridge will probably not exist after 30th November; but as it is uncertain when the arches will be finished, and what reductions can be made when the Executive Engineer leaves, establishment for the whole year has been asked for.

5. The services of the temporary clerk are indispensably necessary in order to get the records of the Tinnevelly division into proper order, and the temporary draftsman is required for completing the plans of the Government buildings and lands.

6. An extra clerk on Rs. 15 for the Superintending Engineer's office is also applied for. The office is in correspondence with seven Executive Engineers and four Collectors. Current and routine work is very heavy, and I consider an extra hand is needed. The present establishment frequently work extra hours.

TRICHINOPOLY,
27th February 1888.

(Signed) J. W. RUNDALL,
Superintending Engineer, VI Circle.

Office note from the Examiner, Public Works Accounts, dated 12th March 1888, No. 1194.
From the Superintending Engineer, VI Circle, dated 5th March 1888, No. 870 T.N.
Office note from the Examiner, Public Works Accounts, dated 17th March 1888, No. 1226.

ORDER—dated 28th March 1888, No. 1004 W., Public Works.

The statement of temporary establishment required in the VI Circle during 1888-89 is sanctioned.

2. This sanction has been registered as Provincial, No. 65 W. of 1887-88, and classified as Establishment, Temporary.

(True Extract.)

Captain, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

Exd. J. Moses.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated March, 28th.

Encl.

Recd.

G.O., 28th Mar. 1888, No. 1004 W.

MARCH.

Temporary Establishment required in the VI Circle during 1888-89

The proposition statement of —, sanctioned.

1004/4

6th November 1882, No. 2924 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 36.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 30th October 1882, No. 128 W :—

I have the honor to submit, for information and orders of Government, notes of my inspection of the office of the Tinnevelly Division.

2. The state of the accounts is satisfactory.

Enclosure.

Notes of Inspection by D. C. GORDON, Esq., Examiner of Public Works Accounts, of the Office of the Executive Engineer, Tinnevelly Division, on 17th October 1882.

J. W. Martin, Esq., is the Executive Engineer; Gopal Iyer, the Accountant.

2. The division was last inspected in March 1882.

3. There are two Officers who draws against the Executive Engineer's drawing account. The Executive Engineer has two imprest under him for Rs. 800 and Rs. 200. In the Tenkarai Sub-division there is one imprest holder for Rs. 300, and in the Shermádevi Sub-division two imprests, each Rs. 100. There is also a sum of Rs. 1,991 advanced in August last to the Chief Engineer, Travancore, for reconstructing the tower of Christ's Church. As the expenditure is not to be accounted for till completion of the work it would be better to treat the above item as a miscellaneous advance, till it can be finally charged off.

4. Five treasuries and sub-treasuries are drawn upon in the division, but the cheques are not properly distinguished by separate initials, and though initials are quoted in the head-quarter's cash-book, none are quoted by Sub-divisional Officers and the initials are not written on any cheques. Instructions were given to remedy this. A separate initial should be given to each treasury, and separate initials should be used by officers drawing on one treasury, and in every case these initials should be entered on cheques and counterfoils. The Executive Engineer fills in his own cheques, and the counterfoils are posted to show the remaining balances in the treasuries. The letter of credit should however be entered in full in the counterfoil of the Huzur Treasury, and the sums made over to sub-divisions then deducted to bear out the cash-book debits to "transfers within division."

5. Sub-divisional cash-books are received three times a-month and are posted into the cash abstract books punctually. In cases in which departmental labor is employed the muster rolls accompany the sub-divisional cash-books as vouchers. To obviate the extra work of keeping copies of these rolls, in order to see to whom arrears are due, Sub-divisional Officers need keep copies of only Part II, but if it would not cause any inconvenience the rolls themselves might be sent back to sub-divisions after check in the divisional office, and then no extra copies need be kept.

6. The register of works is complete and up to date and very neatly kept.

7. The register of buildings is said to be complete. No rents are now in arrears. There is no regular income from leasable lands, topes, &c.

8. The miscellaneous advance schedule is clear, the only items therein being capable of adjustment on audit by the Accounts office of items which are under reference.

9. Under deposits ordinary are three items of security from contractors shortly to be refunded. In contributions the balance at credit is Rs. 1,970-9-2 at the end of September. Of this Rs. 435 are for minor irrigation works, which ought not to have been received, and are under reference to the audit office. The rest is for works in progress.

10. The dues to petty contractors are all for current works; to other contractors Rs. 570 are due, some of which await claimants, and steps should be taken to settle up these as soon as possible.

11. There is no stock in the division. The materials at site are chiefly at the Palamcottah Jail and are said to be for current purposes.

12. The schedule of rates is stated to be serviceable for current estimates, but it is again being revised.

No. 37.

Order—dated 6th November 1882, No. 2924 W., Public Works.

Communicated to the Superintending Engineer, Sixth Circle, for the information and guidance of the Executive Engineer, Tinnevelly Division.

2. The arrangement now proposed by the Examiner, Public Works Accounts, in regard to the advance made to the Chief Engineer, Travancore, is approved, in supersession of that sanctioned in G.O., No. 2832 W., dated 27th October 1882.

3. Sums due to contractors should be adjusted without delay.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Offg. Secretary to Govt., P.W.D.

To the Superintending Engineer, Sixth Circle.
" Examiner, Public Works Accounts.

Exd, S. T. Austin.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated November, 6th.

Recd. Encl.

G.O., 6th Nov. 1882, No. 2924 W.

NOVEMBER.
Nos. 36-37.

Divisional Office, Tinnevelly.

Inspection Notes of the — by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, Sixth Circle, with remarks.

1004/6

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 25th October 1883, No. 134 W. :—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Tinnevelly division.

2. The balances of contribution works should be inquired into, and if the works are finished, these balances should be adjusted either by refund to contributors or by credit to Government, according to the terms upon which the contributions were obtained. For such works as are not completed, or for which further contributions are demanded, steps should be taken to settle up as soon as possible.

3. The office is in good order.

Enclosure.

Notes of Inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, of the Office of the Executive Engineer, Tinnevelly division, on the 19th October 1883.

The Executive Engineer, Mr. J. W. Martin, and the Accountant, Gopal Iyer, were present.

2. This office was last inspected by an accounts officer on the 17th October 1882, *vide* report printed with G.O., No. 2924 W., of 6th November 1882.

3. The drawing arrangements are still the same as at the last inspection. The Shermádevi sub-divisional office was inspected by the Executive Engineer in February 1883, the Tenkarai sub-divisional office in August 1883. The imprest accounts and all other cash accounts are in very good order. The accuracy of the Executive Engineer's drawing account balance on the 30th September 1883 was proved.

4. The work abstracts and works registers are very neat and complete. Copy of the abstract of the revised estimate of outlay on the Srívaikuntham anicut (please see G.O., No. 676 I., of 28th August 1882) should have been furnished to the Examiner's (Public Works Accounts) office. It is now about to be transmitted. The work is a Productive Public Work, estimated to cost Rs. 13,64,137, and outlay has been for some time in progress.

5. Materials at site of works are placed at twelve works, and only aggregate in value Rs. 4,389; of this, Rs. 1,250 worth are for the district jail at Palamcottah. It being impracticable to keep the materials actually on the jail premises, they are at a distance, but it was understood that the materials are well looked after; that all materials are serviceable; and that they are about to undergo count.

6. There are one or two items in the *deposits* account under *Contributions*, which it may be as well to mention—

Item No. 1, *Rs.* 141. *Revenue Department for executing certain works in Tenkarai taluk dating from June* 1877.—This appears to be the remnant of certain contributions, aggregating originally Rs. 1,550, from cultivators, collected through the Revenue Department, for work in connection with the Korumpallem tank. A further contribution is now being received, *vide* G.O., No. 780 I., dated 25th September 1883.

Item No. 13, *Rs.* 665. *Contributions received from the Assistant Engineer, Local Fund Board, for repairing and widening Road No* 10, *dating from August* 1880.—This is the remnant of Rs. 1,712 (Rs. 103 is still due by the Local Fund Board) contributed in the terms of G.O., No. 612 I., of 4th August 1883, sanctioning the revised estimate for raising the left flood-bank above the Srívaikuntham anicut of the Támbraparni river. The Local Fund Board was to pay for the extra cost involved in having a road and flood bank combined. The work has been lately at a stand-still. The total outlay up to date is Rs. 1,470. The revised estimate amounts to Rs. 2,751.

Of other items in the deposits account, two, Nos. 3 and 7, are the subjects of a reference to the Accountant-General, Madras, from the Examiner's (Public Works Accounts) office, and the remaining ones are receiving attention and need no particular notice here.

7. There is no contractor's account in dispute. There are one or two items due to contractors for a longish time, and if the men *cannot* be found, the amounts may be credited to revenue rather than have repeatedly to be reproduced in the accounts. The men can always have the money by applying for it.

8. The accounts and books are in excellent order, and there is nothing further to notice. The Executive Engineer speaks well of the accountant as regards his accounting, and says that if he could only draft letters and administer the office, he would be first rate.

PALAMCOTTAH,
20th October 1883.

ORDER—dated 12th November 1883, No. 3197 W., Public Works.

Communicated to the Superintending Engineer, Sixth Circle, for the information and guidance of the Executive Engineer, Tinnevelly division.

2. The attention of the Superintending Engineer is called to paragraph 2 of the Examiner's letter.

3. The report is satisfactory.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Sixth Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

Exd. A. F. Goodall.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 12th.

Recd. *Encl.*

G.O., 12th Nov. 1883, No. 3197 W.

NOVEMBER.

Tinnevelly Divisional Office

Passing orders on notes of inspection on the — submitted by the Examiner of Public Works Accounts.

1904/8

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner, Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 24th October 1884, No. 88 W:—

I have the honor to forward, for information and orders of Government, notes by Mr. Curry, Assistant Examiner, of his inspection of the office of the Tinnevelly division.

Paragraph 4.—It may be considered by Government unnecessary to require the remaining work done by convict labor to be given free of charge, as the work accounts have hitherto included the value of such labor.

Paragraph 6.—The periodical verification of these materials should be required.

Paragraph 7.—This matter was referred to the Superintending Engineer in last report.

2. The state of the office is satisfactory.

Enclosure.

Notes of Inspection by W. E. CURRY, Esq., Assistant Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Tinnevelly Division, on the 16th October 1884.

The Executive Engineer, Mr. J. C. Larminie, has just taken over charge of this division from Mr. W. L. Bird. He was out in the district at the time of inspection. The Accountant, J. Gopal Iyer, was present. This office was last inspected in October 1883 (*vide* G.O., No. 3197 W., dated 12th November 1883.)

2. The treasury account could not be compared with the cash book, as the pass book was at the treasury. The pass book should have been present; it should also remain in the possession of the Executive Engineer the greater part of the month.

3. There is nothing to remark about the accounts, except that they are bulky and in excellent order.

4. The new jail will shortly be finished. This is the only work done by departmental labor. Convicts are also employed; the value of their labor at 2 annas a-day amounts to Rs. 1,170 during the present official year. As their labor has now to be given gratis, there is no use in the Jail Superintendent submitting bills and sending them on to the local Accountant-General.

5. The muster rolls, ten-day reports, and work abstract for the jail are all very well kept by a writer employed for the purpose. The cost will apparently be considerably less than the estimate (Rs. 2,00,800), perhaps the schedule of rates, compiled in 1879, requires revising.

6. There are 19 works done on the contract system for which "materials at site" accounts are kept The aggregate book value at end of September was Rs. 6,000. This is less than their actual value, as contractors are paid at a low rate for materials delivered.

7. There are 14 contribution works on the deposits schedule. These works are constructed from contributions and Government money in equal proportions. They have always been numerous in this division, but seem rather to drag in their execution. Some of the above are finished, and the rest are in progress. There is difficulty in finding out the proper persons to whom to pay unspent balances, and consequent delay in clearing them off the accounts.

ORDER—dated 3rd November 1884, No. 2711 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information of the Executive Engineer, Tinnevelly division.

2. Adverting to paragraph 4 of the inspection notes, and the Examiner's remarks thereon, it is observed that, under paragraph 3 of G.O., No. 1054 W., dated 25th April 1884, no change need be made in the method of accounting for labor on the district jail at Palamcottah if inconvenience would be caused thereby.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated November, 3rd.

Recd. *Encl.*

G.O., 3rd Nov. 1884, No. 2711 W.

NOVEMBER.

Notes of Inspection

Orders on —, submitted by the Examiner, Public Works Accounts, of the office of the Tinnevelly division.

29th June 1885, No. 563 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

No. 790 T.J.

Note on Plan and Estimate for alterations of Uppar Odai Weir.

For some years it has been known that the Korampallam surplus arrangements were not sufficient, and various proposals have been made. The Chief Engineer for Irrigation, in his memorandum, No. VI/3 T.N., dated 4th February 1885, directed that F.T.L. and M.T.L. should be the same ; that maximum discharge should be taken as 30,000 cubic feet for 1", and that falling shutters of a pattern used on the Ganges canal should be tried. The tracing of the plan of this work sent does not show all details. The undersigned has therefore designed what he believes is suitable, and forwards it to the Chief Engineer for Irrigation, who, having had the advantage of seeing the work on the Ganges canal, will be able to point out any modifications that may be advisable.

2. The shutters on the Ganges canal are 10 feet wide and 10 feet deep. It has been thought advisable to make the shutters in this work 10 feet wide and only 6 feet deep ; but it is right to point out that if the work is made thus the 48 vents will discharge [supposing the backwater is 3 feet above cill or 3 feet below F. or M.W.L., the discharge would be from the formula—

$$q = 2 l \sqrt{d}\,(3 d_2 + 2 d) \text{ ; in which } l = 48 \times 10$$
$$d = 3\, d = 3 \text{ (coefficient } = \tfrac{6}{8}\text{)}.$$

We have $q = 2 \times 48 \times 10 \sqrt{3}\,(9 + 6) = 24{,}912$, say] 25,000 cubic feet, and this will leave 5,000 cubic feet to be discharged from a surplus to be constructed (and occasionally used) at the north end of the tank. The disadvantage of this surplus is that water from it must pass across the Tuticorin fresh-water channel, the irrigation channel of the tank, and the greater part of the tank cultivation, and, of course, when used must cause considerable damage. As this, however, would only occur in exceptional years (in ordinary years the Uppar Odai surplus capable of discharging 25,000 cubic feet would prove ample) it is thought not objectionable.

3. The Superintending Engineer would propose that the following should be done. As soon as practicable three or four vents of the design now forwarded be built, that these be tried, and, should they be found to answer well, that the rest of the weir should be made with vents 10 feet in width and 8 feet in depth. A vent of this size, allowing the backwater to rise a foot from the extra discharge, or the head to be 2 feet, would surplus as follows :—

$$q = 2 l \sqrt{d}\,(3 d_2 + 2 d)$$
$$l = 10,\ d = 2,\ d_2 = 6$$
$$q = 20\sqrt{2}\,(18 + 4) = 620$$

If 48 vents $q = 29{,}760$ or, say, 30,000.

It is thought better to first try vents 6 feet in depth ; but should these be found to anwser, vents 8 feet deep can be tried ; the section of the present works allows either depth to be adopted. It is further thought that the northern end of the tank bank should be levelled down so that, if required, additional surplus can be made.

4. With regard to the design, it is proposed to remove the present roughstone in chunam faced with cut-stone apron, and to fill in between the face-wall foundation and first retaining-wall with a depth of 4 feet concrete, on this to build, at 10 feet intervals, the piers 2½ feet thick.

5. The floor of the vents to be concrete, but to have cut-stone below the groove stones, the shutter cill, and where the shutter falls also, and the end of the flooring. The piers to be built of brick-in-chunam with ordinary plaster, but the front grooves to be cut-stone and where the shutter stands also to be cut-stone; arches to be thrown over from pier to pier making a roadway of 5 feet width. In order to secure firmly the hooks to hold the chains, the pier in front of groove stones to be built of brick in Portland cement. This is considered a necessary precaution as the pressure on each of the chains is 1·6 tons.

6. These hooks to be of 1″ × ¾″ iron bedded in a cut-stone built in the pier. The chains to be of ½ inch iron and to have adjusting screws 9 inches long. The hook to be as shown in the drawing, is to have a catch that can be secured by a pin that can easily be removed when it is desired to open the shutters; but it will prevent the hook from being detached by accident or mischief.

7. To shorten the pier as much as possible the hooks are placed in front of the groove stones. This prevents the chains from being hooked on when the front balks are put in; the shutter, however, is to be, when lifted up, kept up by a balk being placed behind the top of it resting at each end in a cut-stone groove placed there for the purpose. As soon as thus secured the front balk, will be taken out and the shutter secured by the chains which will be tightened up by the adjusting screws. This will relieve the pressure on the balk placed behind the shutter, and it can be easily removed.

8. The estimate amounts to Rs. 490 per vent 10 × 6, the additional cost of vent 10 × 8 would be comparatively small; the total cost of 48 vents 10 × 6 would be Rs. 23,520, but there will, it is thought, be a saving on this as nothing is allowed for the old cut-stones and it is thought a cheaper wood than teak may be used for shutters.

9. The Superintending Engineer has ordered groove stones, bricks, and concrete materials to be collected in anticipation of sanction.

10. It is requested that authority may be given to put three vents, according to the design sent, in hand at once.

Trichinopoly,
24th March 1885.
(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

To the Superintending Engineer, VI Circle, dated 24th April 1884, No .VI/8 T.N.

From Lieutenant-Colonel H. R. MEAD, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Kodaikanal, 25th May 1885, No. 40 C.T.N.

With reference to your memorandum, No. VI/8 T.N., dated 24th April 1885, I have the honor to report that the balance of the amount required for falling shutters of Uppar Odai dam can be met from the following items, which are savings from the sanctioned estimates:—

North Main Channel.

	RS.
B. Land—	
1. Korampallem tank	3,800
N. Tanks and Reservoirs—	
2. Uppar Odai dam	4,549
3. Pottaikulam revetment	471
4. Korampallam tank, cutting the banks of surplus drain and reveting the tank bank	2,003
Total ...	10,823

100Y
11

Office note to the Examiner, Public Works Accounts, dated 4th June 1885, No. 172.
„ from „ „ „ 9th „ „ „ 180.

No. 117 I.

Note by the Chief Engineer for Irrigation.

The proposals of the Superintending Engineer are approved, and the estimate for providing three vents of the Uppar Odai weir with falling shutters is recommended for sanction from the available balance of Rs. 12,697 of the provision for unforeseen works of the Srívaikuntham anicut system, which will then be reduced to Rs. 11,227. If, to this amount, Rs. 10,823, the savings reported in letter, No. 40 C.T.N., dated 25th May 1885, from the Superintending Engineer, be added, sufficient funds will be available for providing the remaining vents of the dam with similar shutters if those first constructed are found to work satisfactorily.

Ootacamund,
17th June 1885,
(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

Order—dated 29th June 1885, No. 563 I., Public Works.

The estimate, amounting to Rs 1,470, for providing three vents of the Uppar Odai weir with falling shutters, is sanctioned from the balance of the lump sum provision in the revised estimates for the Srívaikuntham anicut project printed in proceedings of Madras Government, No. 380 I., dated 8th May 1882, for unforeseen works, which will then be reduced to Rs. 11,227.

2. This sanction has been registered as No. 78 I. of 1885-86, and classified as shown below:—

N. Productive Public Works.
Capital Account.
51. Irrigation and Navigation.
Srívaikuntham Anicut System.
Northern Section.
I. Works.
(2) Main Canals and Branches.
N. Tanks and Reservoirs.
Uppar Odai Weir.
Providing 3 vents with falling shutters, Estimate ... ... Rs. 1,470

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, VI Circle, with three enclosures.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. E. Fernandez.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated June, 29th.

Recd. *Encl.*

G.O., 29th June 1885, No. 563 I.

JUNE.

Uppar Odai Weir, Tinnevelly District

Estimate for providing the vents of the —, with falling shutters, sanctioned.

2004/12

4TH JANUARY 1886, No. 6 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from D. C. GORDON, Esq., Examiner, Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 18th December 1885, No. 94 W.:—

I have the honor to submit, for information and orders of Government, notes by Mr. Heaven, Deputy Examiner, of his inspection of the office of the Tinnevelly division.

2. The office is in good order. The Superintending Engineer's attention is necessary to the remarks in paragraph 4 of the report (in connection with code paragraph 1090, standing order No. 146 of 1885), also to paragraphs 10 and 12.

ENCLOSURE.

NOTES of inspection by F. G. Heaven, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Tinnevelly division, on the 11th and 12th December 1885.

The Executive Engineer, A. M. Hayes, Esq., and the accountant, J. Gopala Aiyar, were present: the last inspection of this office by an Accounts officer was on the 16th October 1884, *vide* G.O., No. 2711 W., dated 3rd November 1884.

2. The sub-divisions are—

1. Head-quarters } both in charge of the Executive Engineer.
2. Shermádevi }
3. Tenkarai, in charge of W. V. Baker, Esq., Honorary Assistant Engineer.

Imprest-holders are—

Head-quarters sub-division, Mr. T. C. Fitzgerald, supervisor, Rs. 100 as detached officer, Tinnevelly; Rs. 50 as detached officer, Srívilliputur.

Shermádevi sub-division { M. Arumanayakam Pillay, overseer, Rs. 100.
{ M. Muttuvira Pillay, overseer, Rs. 100.

3. The Executive Engineer draws on—

1. Huzur treasury
2. Ambásamudram }
3. Tenkási }
4. Srívilliputur } sub-treasuries
5. Sankaranainárkoil }
6. Tenkarai }

of Tinnevelly district: the Shermádevi sub-divisional officer on Nos. 2, 3 and 5, and the Tenkarai sub-divisional officer on No. 2.

Cheque books and the pass-book were examined with satisfactory results.

Cash accounts are all in excellent order: the divisional cash-book is kept by the accountant, and is very neat, with the exception of one erasure: copies of sub-divisional cash-books are received three times a-month and at once posted into cash abstract books: the check of vouchers before payment appears complete.

4. Imprest accounts are in order, but most of the disbursements are salaries of maistries, &c., which might be paid by cheques from sub-divisional officers, obviating the necessity for imprests.

5. Work accounts are in good order; work abstracts are well prepared by sub-divisional and detached officers, and the work register is neat. All charges are satisfactorily vouched for, measurement sheets being filed with duplicate contract certificates, which agree with originals in all cases where checked. The contractors should not be called on to sign the duplicate receipts

(code paragraph 1929 A). All work done by contract should be included in part I of the work abstract of the month in which it is measured up and accepted by the officer in charge, whether paid for in that month or not. There are no large amounts of materials at site. Part IV of work abstracts is signed by officers in charge. Part II of work abstracts in the case of officers who make payments from imprest should not be filled up by them, but by the officer in whose cash-book the disbursement appears when the imprest is recouped.

6. There is no stock in the division; tools and plant accounts are in order, except that the storekeeper's book of daily receipts and issues should show his own transactions, *e.g.*, receipts and issues from and to sub-divisional officers; at present he only enters transactions beyond the division.

7. No register of liabilities (form M 77) is maintained; it should be used for indents sent to the Public Works Stores, &c.

8. The appropriation registers are correct except that an alteration advised in discrepancy note on return of grants has been noted on the office copy of form M 78 instead of at once in the register.

9. Money deposited for contribution works is entered in the "Revenue" part of form M 78, which appears incorrect.

10. Registers of buildings and churches are maintained; the rents require revision in some cases. In accordance with G.Os., No. 2944 W., dated 28th November 1884, and No. 1509 W., dated 29th June 1885 some buildings in the Provincial and Imperial registers should be classed as Local (Port Fund).

11. Service books require re-attesting in some instances; it would be well if all entries were clearly ruled off so that it might be known to which entry each signature refers.

12. Measurement books have not, since 1883, been filed in the divisional office; this should be insisted on.

13. The accounts generally are neat and systematically filed.

ORDER—dated 4th January 1886, No. 6 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information of the Executive Engineer, Tinnevelly division.

2. Attention is directed to paragraphs 4, 10 and 12 of the notes. The report is satisfactory.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated January, 4th.

Recd. *Encl.*

G.O., 4th Jan. 1886. No. 6 W.

JANUARY.

Notes of Inspection

Orders on — submitted by the Examiner, Public Works Accounts, of the office of the Tinnevelly division.

1004/14

22nd November 1886, No. 3087 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 18th November 1886, No. 134 W:—

I have the honor to forward, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Tinnevelly division.

2. The Executive Engineer's attention is required to paragraph 3. The applications for funds have been far beyond requirements, and should be more carefully estimated in future.

3. The Superintending Engineer might be asked to report on the matter of paragraph 9 (*c*) and (*d*).

4. The office continues in good order.

Enclosure.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Tinnevelly Division, on the 8th to 10th November 1886.

The Executive Engineer, Mr. A. M. Hayes, was present, also the Accountant, Gopala Aiyar. The previous inspection of the office by an Accounts officer was in December 1885 : see papers with G.O., No. 6 W., of 4th January 1886.

2. The sub-divisional arrangements are the same as last reported. The maintenance of a sub-divisional cash book and drawing account for the Shermádevi sub-divisional office, now that it is at Palamcottah in the same building as the divisional office and under the Executive Engineer, is unnecessary, and gives additional work without any corresponding advantage.

3. The applications for credit have sometimes far exceeded the requirements of the division :—

Month.		Outlay.	Balance in Treasury at close of Month.
		RS.	RS.
April	1886	5,102	16,044
May	„	14,216	14,119
June	„	22,594	3,454
July	„	13,577	5,106
August	„	23,316	10,261
September	„	14,463	15,236
October	„	16,083	19,855

4. The balance of the Executive Engineer's drawing account on the 1st November 1886 was proved correct.

5. The cash balance in the Executive Engineer's office was counted and found to agree with the account, which was checked through for October and for June and July 1886.

6. The only imprest holders are—

	RS.
Mr. F. C. Fitzgerald, supervisor, called "detached officer," being in charge of two taluks and works therein	100
Mr. M. Arumynayagam, supervisor, "detached officer," also in charge of taluks	100

The recoupment of the above imprests is frequent, and the accounts are well kept and properly disposed of in the Executive Engineer's office.

7. The cash accounts generally are very praiseworthy, and seem to have much personal attention from the Executive Engineer.

8. The division is very light as regards accounts work. The average number of works in progress per month since April 1886 inclusive has been only 46, that of contractors employed, 28. Departmental agency is not often resorted to, but about 40 work abstracts have to be prepared every month. Of these the greater number are for works under "detached officers" mentioned in paragraph 6, and these are prepared by the detached officers themselves and submitted to the Executive Engineer. About 100 of such back work abstracts so prepared were examined at the inspection, and the local clerk of Mr. Fitzgerald's office was interrogated, with satisfactory result. The abstracts are never heavy, almost all the work being piecework or contract work, there were but few errors, and the documents are very punctually rendered.

9. Works' accounts generally were examined for June and July 1886, and were found in unusually good order, but one or two notes may be offered:—

(a) *Constructing Vannankuttam Tank.*—The contract time expired in May 1885. But work is said to be still in progress. No fresh agreement with contractor. Last measurement of work in March 1886, since which Rs. 147-15-4 due to the contractor.

(b) *Raising left Bank of Támbraparni River.*—Last measurement in March 1886. Work still in progress. Due to contractor Rs. 51-12-0, who has not lately been heard of. He will now be inquired for.

(c) Rs. 130 was contributed by ryots in 1883 for *repairing the channel of Kuthalampillaikulam tank.* But that channel has not been repaired to this day, and the above sum has been for three years making a monthly appearance in the deposits schedule as unexpended, because of some dispute which is still unsettled.

(d) There was a contribution of Rs. 3,553-13-6 received by irregular deposits from June 1883 until August 1886 for *renewing the revetment of the Srivaikuntham Periyakulam tank*, the sanctioned estimate for which amounts to Rs. 9,620. The cost of the work was to have been shared equally between Government and the contributors, and according to the rules (code paragraph 1598 E), all the contribution should have been realised before the commencement of the work, which should not have been till after written consent of contributors to the estimate, which should, unless the contribution was to be in a lump sum, have included provision for establishment and tools (code paragraph 1598 F); but in the case of the above work, which was begun in 1882-83 before any contributions had been received, the above conditions have not been observed, nor has the deviation from rule been sanctioned by Government (code paragraph 1598 E), or anything more than the sanction of the Superintending Engineer to the estimate been received. The outlay, instead of being divided every month between Government and the contributors in the ratio of the contribution, has been so divided as to first of all exhaust State provision and then utilise the contribution. Of the total outlay on the work, Rs. 6,965, only Rs. 2,792 has been charged to the contributors, the Collector has opined, in reply to a call for more contributions from ryots, that it will be difficult to get any further money for the work, and that it would be positively unfair to require, in addition to the half of the cost of the work to which they agreed, a percentage for establishment and tools to be paid by the contributors. This will probably be concurred in by Government.

(e) Measurements are all in excellent order, but require cancelment in terms of standing order, No. 158 of 1885, on the directions at back of form M-19.

10. Tools and plant accounts are well kept. Famine tools, of which there are only a few, are separately stored, but they are in the same account as the provincial tools. It is desirable to alter the daily register of tools transactions so as to prevent the waste of an entire page of the book every month. This was thoroughly explained to the accountant.

11. The budget registers are in order; service books are properly kept and cared for; the register of buildings is in order.

12. The accountant is very painstaking and industrious, and is well spoken of by the Executive Engineer. He is liberally assisted.

Madras,
18th November 1886.

(Signed) H. RAINIER,
Dy. Examiner, P. W. Accounts.

1004
15

Order—dated 22nd November 1886, No. 3087 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information and guidance of the Executive Engineer, Tinnevelly division, whose special attention will be directed to paragraph 3 of the notes. Applications for funds should be more carefully estimated in future.

2. The Superintending Engineer will be requested to report without delay on the subjects of sections (*c*) and (*d*) of paragraph 9 of the notes.

(True Extract.)

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

To the Superintending Engineer, VI Circle.
" Examiner of Public Works Accounts.

Exd. A. Raitt.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated November, 22nd.

Recd. *Encl.*

G.O., 22nd Nov. 1886, No. 3087 W.

NOVEMBER.

Inspection Notes.

Orders on the — on the Tinnevelly division office, submitted by the Examiner of Public Works Accounts.

30th May 1887, No. 1464 W., Public Works.

1004/16

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper:—

From Lieutenant-Colonel J. PENNYCUICK, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Kodaikánal, 25th April 1887, No. 18 R.N.

With reference to Proceedings of Madras Government No. 1078 W., dated 18th instant, I have the honor to submit, herewith, for sanction a revised statement of proposition for the temporary establishment required for the Ramnad division, which is to be reconstituted as a temporary division from 1st May 1887.

2. The temporary establishment of the late Ramnad division consisted of—

	RS.
1 Executive Engineer on ...	550
2 Overseers on Rs. 80 per mensem ...	160
1 Overseer on ...	60
1 Sub-Overseer ...	35
	255
1 Clerk on ...	50
1 Do. ...	30
2 Clerks, at Rs. 20 each ...	40
1 Draftsman on ...	40
1 Do. ...	20
1 Messenger ...	7
1 Do. ...	6
3 Clerks, at Rs. 15 each ...	45
8 Lascars, at Rs. 6 each ...	48
	286
Total (exclusive of the Executive Engineer's pay) ...	541

3. In G.O. No. 827 W., dated 17th March 1887, the division was converted into a subdivision, and the following temporary establishment was sanctioned in G.O. No. 942 W., of the 28th March 1887:—

	RS.
1 Executive Engineer on ...	550
1 Overseer on ...	80
1 Draftsman on ...	40
1 Do. ...	20
1 Clerk ...	30
1 Do. ...	20
2 Clerks, at Rs. 15 each ...	30
1 Messenger ...	6
4 Lascars, at Rs. 6 each ...	24
Total (exclusive of Executive Engineer's pay) ...	250

4. The temporary establishment which I consider necessary for working the division from the 1st May 1887 is—

		RS.
1	Overseer on	80
2	Overseers, at Rs. 60 each	120
1	Draftsman	40
1	Do.	20
1	Clerk	40
1	Do.	30
1	Do.	20
4	Clerks, at Rs. 15 each	60
1	Messenger	7
1	Do.	6
6	Lascars, at Rs. 6 each	36
		459

5. This is more than the amount sanctioned for the subdivision in G.O. No. 827 W., of 17th March, but less than that originally sanctioned for the division.

ENCLOSURE.

REVISED STATEMENT of Proposition for temporary establishment for Ramnad division for 1887-88.

ORDER SANCTIONING THE PRESENT ESTABLISHMENT. GOVERNMENT OF MADRAS, PUBLIC WORKS DEPT.		Office to which the proposition refers.	NATURE OF CHANGE.												PROPOSITION.					
			Present Scale.						Proposed Scale.						Permanent.		Temporary.			
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
G.O., No. 942 W.	28th March 1887.	Ramnad division.		*Office Establishment.*	RS.	RS.	RS.	RS.		*Office Establishment.*	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.
			1	Draftsman, temporary.	..	..	..	40	1	Draftsman	..	..	..	40	..	..	..	..	..	..
			1	Do. do. ..	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
									1	Clerk	..	..	..	40	..	..	..	40	..	..
			1	Clerk	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
			2	Clerks, at Rs. 15 each ..	..	..	..	30	4	Clerks, at Rs. 15 each * ..	..	..	..	60	..	..	..	30	..	..
			1	Messenger	..	..	..	6	1	Messenger	..	..	..	7	..	..	..	1	..	..
									1	Do.	..	..	..	6	..	..	..	6	..	..
					..	..	..	146			..	..	..	223	..	..	..	..	..	..
				Petty Establishment.						*Petty Establishment.*										
			3	Lascars, at Rs. 6 each ..	..	..	..	18	6	Lascars, at Rs. 6 each † ..	..	..	..	36	..	..	..	12	..	..
			1	Lascar	..	..	..	6												
					..	..	..	24			..	..	..	..	..	..	..	..	..	..
				Total per mensem ..	..	..	..	170		Total per mensem ..	..	..	..	259	..	..	..	89	..	..

* One Clerk for Executive Engineer's office and three Clerks for three temporary Overseers.
† Three Lascars for Executive Engineer's office and three Lascars for three temporary Overseers.

KODAIKANAL,
25th April 1887.

(Signed) J. PENNYCUICK, Lieut.-Colonel, R.E.,
Superintending Engineer, VI Circle.

Office Note from the Examiner of Public Works Accounts, dated 12th May 1887, No. 109.

ORDER—dated 30th May 1887, No. 1464 W., Public Works.

The statement of temporary establishment required for the Ramnad division during 1887-88 is sanctioned; but the provision made therein for Upper Subordinates has been struck out, as they have been separately provided for. *Vide* G.O. No. 1135 W., dated 25th April 1887.

2. This sanction has been registered as Provincial No. 10 W. of 1887-88, and classified as Establishment, Temporary.

(True Extract.)

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

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

Exd. F. R. Bantleman.
Spare Copies

GENERAL.
ESTABLISHMENT.

Gobt. of {1887} Madras.

PUBLIC WORKS.

Dated May, 30th.

Recd. *Encl.*

G.O., 20th May 1887, No. 1464 W.

MAY.

Establishment

A statement of temporary — required for the Ramnad division during 1887-88, sanctioned.

1885. 109/19

P. W. DEPARTMENT.

Current No. 6937.

From
The Examiner
P.W. Accts

ENCLOS.—

No. 254 S.E. 6th
Dated 5-8-85
Received 6-8-85

SUBJECT.

Forwardg Inspection Report of the Office of the Exec: Engr, Tinnevelly Divn by the Supg Engr 6th Circle

DISPOSAL.

No 1464 C Dated 4th Sept/85

Returned with remarks by the Chief Engr, P.W.D.

B W

Despd 5/9

To The Supg Engr VI Circle through the Exr P.W. Accts

3d 11/9

PWC No. 57

To. The C. Engr P.W.D

G.O. A/5633 I d/ 29-6-83.
" 2711 W d/ 3-11-82.
No. 632 C d/ 15-3-82.
G.O. A/3197 W d/ 12-11-83.
" 2924 W d/ 6-11-82

1884. 1004/2d

P. W. DEPARTMENT.

Current No. 2121.

From The Supg Engr
VI Circle

No 1423 SE 6th
Dated 7-3-83
Received 8-3-84

SUBJECT.

Forwarding Inspection Report of the office of the E.E. Tinnevelly Divn on the 7th Febry/84.

DISPOSAL.

No. 632 C Dated 15 March/84

Returned with remarks

To the S.E. VI Circle
thro. C

Dd 16/3

Entd in Despd Regr Ks 18/3 Id 18/3

G.O. 3197 W A/12-11-83
" 2924 W a/ 6-11-82

1886. 109/24

P. W. DEPARTMENT.

Current No. 8550

From

The Supdg. Engineer VI Circle

Enclos.—

No. 310 T.N.
Dated 25th October 1886
Received 3rd November 1886.

Subject.

Report of Inspection of the Executive Engineer's Office Tinnevelly by the Supdg. Engineer VI Circle.

Disposal.

No. 3902 Dated 6th November 188

Returned with remarks of the Chief Engineer.

(Sd) J.O.H.

To S.E. VI Circle.

6/11

No 6 W d/ 4-1-86
- 1464 C - 4-9-85
- 563 I - 29-6-85
- 2711 W - 3-11-84
- 632 C - 15-3-84
- 3197 W - 12-11-83
- 2924 W - 6-11-82

1888. 100/22

P. W. DEPARTMENT.

Current No. 2335

From Supdg Engr VI Circle

ENCLOS.—

No. 870 I. A.
Dated 5 - 3 - 88.
Received

SUBJECT.

Supplemental statement of proposition for temporary Establishment required for the Tinnevelly Division for 1888-89.

DISPOSAL.

No. 1057 C Dated 12th March [illegible]

12/3

Forwarded to the Examiner of P.W. Accounts in continuation of this office No. 918 C d/5th March 1888 for check and return.

12/3.

for Supdg Engr VI C.
12/3/88

No 918 C d/ 5-3-88.
" 2935 W. d/ 5-11-87
" 2287 W. d/ 25-8-87
" 1464 W. d/ 30-5-87
" 1376 W. d/ 19-5-87
" 823 C d/ 28-2-88
" 70.7 C d/ 18-2-88
" 2564 C d/ 2-8-87.
" 1464 C d/ 14-9-85
" 3087 W. d/ 22-11-87
" 6 W. d/ 4-1-86

6004/23 1888.

P. W. DEPARTMENT.

Current No. 2042

From

The Supdg. Engineer
VI circle

ENCLOS.—

No. 2154 T.J.
Dated 27th Feby 1888
Received 2 March 1888

SUBJECT.

Statement of proposition for temporary Establishment required for 1888-89.

DISPOSAL.

No. 918 C Dated 5th March 188

To.

C.

For favor of check as regards "present scale" and return.

(Sd) W. L. C. B.

D. W.

W/53

Despd. 5.3.88.

No. 2935 W d/5-11-87
" 2287 W - 25-8-87
" 1464 W - 30-5-87
" 1376 W - 19-5-87

1004/24

When is the revised form to be brought in?
Modifications were made in view to simplifying the matter but the old forms continue to come in, so that advantage is not apparently being taken of relief afforded.

CW
25/8

From a recent report received by S.A.W. from [illegible] Sub-branch, it would appear that the new form has not been received.

Dr.-

The revised forms were issued about the end of June '85.-
A para has been added asking the Sles concerned to submit their reports in future in the revised form.-

26/8

CW

100/23 PWC No. 5782
1751

No. 272 T.N / 20.7.87. CCN. 4?

P. W. D. Form.
No. M 98.

REFERENCE TO MADRAS P. W. D. CODE,

PARAS, 264 AND 271.

No. 3902 C. 6.11.86
G.O. 3087 W. 22.11.86
" 64 W. 4.1.86.
No. 1464 C. 4.9.85
G.O. 563 I. 29.6.85
" 2711 W. 3.11.84
No. 632 C. 15.3.84
G.O. 3137 W. 12.11.83
" 2974 W. 6.11.82

Division Tinnevelly

Name and Grade of Executive Engineer. } Mr. A. S. Russell ~~[illegible]~~ 3rd G. sub-prorem.

Date of assuming charge 25-2-87

Date of last inspection—

By Superintending Engineer 25-10-86

By Examiner or Deputy 8-11-86

Date of present inspection 20-7-87

Report of Inspection of the Executive Engineer's Offie by Superintending Engineer, 6th Cirle.

R. 26.7.87

a
13/8

EXECUTIVE ENGINEER
No. 1752
2/7/87
P. W. D.
TINNEVELLY

SUPERINTENDING ENGINEER
4 AUG 87
6th CIRCLE

No. 312 T.N.

Forwarded to the Exe: Engineer, Tinnevelly Dn. for information.

Lt. Col. R.E.

Supg. Engr. 6th Cir.
8/8/87

D/10.
To be returned With remarks

To. The E. Engr. P.W.D.

No. 1773 T.N. R 5/ 15-8-87

Noted & returned
Hd. Clerk D.P.W.
15.9.87

9am
LS. 13/7.

R 29.7
Bellary 28.7.8 R. 1.8.8

No.	Queries or points to be noted.	Remarks by Inspecting Officer.	Orders of Chief Engineer.
1	Are laborers paid up punctually and regularly? Are there any arrears of more than a month's standing? and, if so, why?	No departmental works.	
2	Are the precautions taken for the safe custody of Cash and Stores throughout the Division, and for drawing and remitting money, sufficient in all cases?	Yes	
3	Are proper precautionary measures adopted to ensure that value has been received for the amount of the bill, certificate or order, on which money is paid, and that the document is free from clerical errors?	Yes	
4	In whose custody does the current Cheque Book (or Books) remain?	Executive Engineer or Sub-Division Officer.	
5	At what intervals are the originals of Sub-divisional Officers' Cash Books submitted to the Executive Engineer's Office (Alternate books or loose sheets being used)?	Every ten days Loose sheets.	
6	What record is kept of rents and other Public Works revenue which may become due?	A register, of which an extract is sent monthly to Examiner—	
7	Are demands for rents and other revenue promptly made upon the parties responsible?	Yes.	
8	What rents or other revenue are now more than one month over-due, and what steps have been taken for the recovery thereof?	None.	
9	Are note-books regularly kept up, and do the remarks entered therein show that works are regularly and systematically inspected? [Para. 1525].	Yes.	
10	Are separate Measurement books kept up, and do these show that works are regularly measured?	Yes.	
11	Are proper Plans and Registers kept in the Executive Engineer's Office of all the buildings, &c. in his Division, showing whether the buildings are maintained from Imperial, Provincial, or Local Funds? [Para. 1194].	A register is kept, but the plans are not complete; this is about to be dealt with separately—	
12	Are accurate Plans kept of all Cantonment or other Government lands in charge of the Department? Are the Subordinates acquainted with the boundaries, and do they see that they are respected?	Plans are not complete but every effort is being made to complete them. Subordinates are generally acquainted with the boundaries—	

No.	Quiries or points to be noted.	Remarks by Inspecting Officer.	Orders of Chief Engineer.
13	Are the accounts of Sub-divisional Officers despatched, as a rule, to the Divisional Office by the 5th of the month following? If not, what steps have been taken to ensure punctuality?	Yes, The Sub-Dn Officers' have no accounts but the ordinary cash accounts.	
14	Is the Register of Works written up from the Original Work Abstracts previous to the preparation of the Work Vouchers and Schedule? If not, from what are the latter prepared?	Register of works is written up from Work Abstracts which are themselves written from Contractors bills.	
15	Do the Work Abstracts and Registers clearly show the quantity and value of materials at site of each work? Have the materials been verified?	Yes. They are verified by Sub-Dn Officers from time to time but this might be done oftener with advantage.	
16	Are the materials collected not in excess of the actual requirements of the work in each case? And are transfers of materials from one work to another of frequent occurrence?	Not in excess. No.	
17	Before any work is begun, does the Executive Engineer see that the Officer in charge is supplied with fully detailed instructions in writing and proper working drawings? [Paras. 329, 1519, 1520, 1523 and 1524.]	Yes.	
18	Are works carried on as rapidly as is possible with reference to the funds appropriated and soundness of execution? [Para. 1521.]	As rapidly as possible, but the difficulty of obtaining Competent Contractors who will adhere to contract time is very great.	
19	Are there any works commenced without sanction, appropriation of funds and written orders by competent authority for their commencement? In the case of such works, are the rates fair and such as will be covered by the ordinary rates of the station? [Paras. 311, 1513, 1518 and 1519.]	Only one case of a contribution work which has been specially reported.	
20	Does the Executive Engineer make frequent inspections of out-stations, and see that the work carried on by his subordinates is sound and economical? [Para. 330.]	Yes.	
21	Are Work Abstracts prepared by Sub-Divisional Officers, or in the Divisional Office?	In both.	
22	Are Completion Reports sent in immediately on the completion of each work? And is the fact recorded as a closing entry in the Register of Works? [Para. 323.]	Yes. There appears no undue delay. Any such case is always specially brought to notice in the O. I. statement.	
23	Are contract work and petty contract work availed of to the fullest extent practicable or desirable?	Yes.	

No.	Queries or points to be noted.	Remarks by Inspecting Officer.	Orders of Chief Engineer.
24	Has security been taken in all cases for the due fulfilment of contracts? And where security is not taken, is the usual reserve (Code para. 1618 *b*) invariably retained from each payment?	In all except very small ~~cases~~ works security is taken. In all cases the reserve is invariably retained –	
25	What steps are taken to ensure that contractors or petty contractors shall acknowledge from time to time the correctness of the balance of their accounts?	They are required to sign all measurement sheets & bills and from time to time the ledger –	
26	Are there any disputed accounts with contractors? If so, state briefly the particulars and the steps taken to obtain a final adjustment.	One case of woodwork in the Ossar odai Dam in which the contract has been cancelled for delay and bad work, the Contractor threatens legal proceedings, if he carries out the threat a special report will be made.	
27	Are there any contract works not measured and paid for, for a period of more than three months, and, if so, what is the reason for non-measurement?		
28	What was the balance of stock in the Division at the end of the month for which accounts were last submitted?	None	
29	Have tenders been invited for the supply of Stores at Schedule rates as wanted, so as to obviate the necessity of keeping more stock on hand than can be helped?	No stock.	
30	Is balance of Stock under or in excess of sanctioned reserve, and if the latter, why?	″	
31	When and by whom was the stock in each Sub-division last counted, and were the quantities on that date duly certified to? If incorrect, have the discrepancies been duly accounted for?	″	
32	Are the prices at which the stock is now rated fair and reasonable with reference to the rates at which it is now manufactured or purchased?		
33	Are there any surplus materials in the Division on which there have been no transactions during the past six months, and which are not likely to be required? And is there any Stock or Tools and Plant that it would be advisable to sell or otherwise dispose of?	There are some small quantities of stores, chiefly iron which have been charged to works and not used. The Exe: Engr has been requested to submit definite proposals for dealing with these –	

1004
28

No.	Queries or Points to be noted.	Remarks by Inspecting Officer.	Orders of Chief Engineer.
34	What is the balance under the head of Stock Manufactures? I.—For Bricks? II.—For other Materials? Is this amount reported by the Executive Engineer to be fully covered by materials in course of manufacture? What steps have been taken by the Executive Engineer to satisfy himself on this point?	None	
	How does the outturn compare with the estimate?		
	Are the arrangements made all economical?		
	Are materials of the kind manufactured, obtainable locally?		
35	Are there any items in the Miscellaneous Advance account which appear objectionable or outstanding for too long a time?	No	
36	Are all Surveying and Drawing Instruments not in use by Subordinates kept in the personal custody of the Executive Engineer and his Assistants (Para. 1967), and are same in good and serviceable order?	Yes – But some of the compasses require some adjusting – This is the case everywhere, as far as I know; it will be attended to –	
37	Are none but instruments required for actual use kept up in the Division, and the orders of the Superintending Engineer taken with regard to the remainder? [Para. 1962.]	Yes	
38	When and by whom were the tools last counted in each Sub-Division? Are the count certificates attached to the half-yearly Returns? And have all discrepancies been enquired into and adjusted?	By Sub-Dn. Officers & by Exec Engr Yes no discrepancies.	
39	Is there any Divisional Rate-book kept up? If not, on what data are the rates for estimates calculated? [Para. 266.]	Yes	
40	Are there any persons employed in the Office who are beyond the strength of the permanent and temporary establishment sanctioned for the Office, and if so, how are they paid?	No.	

No.	Queries or points to be noted.	Remarks by Inspecting Officer.	Orders of Chief Engineer.
41	Are the books and primary accounts kept in the prescribed manner, and are they attended to by the Executive and Assistant Engineers and not left too much in the hands of Accountants and Subordinates? [Para. 270.]	Apparently so	No. 2564C of 2nd August 1887
42	Are the Subordinate, Office and Petty Establishments efficient, actually necessary and adequate to the management of the Division? Are they acquainted with the Code Rules? [Para. 269.]	The Establishments are efficient though hardly strong enough: The office is in fair order except as regards the records which are somewhat in confusion; this is being gradually remedied but it will probably be necessary to apply for sanction to a small additional temporary establishment for this purpose.	The report is satisfactory but steps should be taken to complete the plans referred to in queries Nos. 11 and 12. The inconvenience felt by the removal of the Accountant, and the delay in the joining of his successor should be brought to the special notice of the Examiner of Public Works Accounts.
	GENERAL REMARKS.	A good deal of inconvenience was caused by the Accountant being removed on the 5th March a few days after the present Executive Engineer joined, and a new Accountant not being posted till the 23rd April so that for seven weeks the Division was without an Accountant.	WWB 28.7.87 For 30/7/87

Dated 20' July 1887.

5|25

Lt Col RE

Superintending Engineer. 6 circle

Dated

(By order)

W W Baddeley Captn R.E.

Dy. Chief Engineer. P.W.D.

1884/30

[No. 51 of 1885.]

100
(2)

No. 808 T.N. Office of the Supdg. Engineer, 6th C.
Trichinopoly. 11th February 188
D 13/-

From.

J. W. Rundall Esquire
M.I.C.E.
Supdg. Engineer, Circle.

To,

The Chief Engineer
P. W. D.

Sir,

I have the honor to bring to your notice that there are already 2 temporary draftsmen attached to the Tinnevelly Dt. & the Exec. Engineer has applied for their confirmed employment during 1888-89 and also for a third man on Rs 35. Mr. Russell has forwarded a list of plans of the Public buildings in the Tinnevelly District of which plans are still wanted, showing that 84 site plans & 82 plans of buildings have to be prepared to complete all that should be on record.

2. It seems to me however that although it is desirable, as a rule, that these plans should be ready for reference, yet that it is hardly —

requisite to employ extra Establishment for the purpose & that it would be sufficient if the Executive Engineer had plans prepared where the works had to be repaired or altered.

3. The preparation of these plans was ordered by my predecessor & his proposals were apparently concurred in by you vide your No. 2564 C of the 2d August 1887. I am not willing therefore to cancel Lt Col Pennycuick's orders except with your special concurrence.

4. Please therefore let me know whether the sd Draftsman should be allowed for in the proposals for Temporary Establishment for next year.

I have the honor to be
Sir
Your most obedient servant

J. W. Pennicott

Supg Engineer, Circle

No. 2564 C d/ 2-8-87 No 563 d/ 29-6-85
" 2289 W - 25-8-87 - 2711 W - 3-11-84
" 3087 W - 22-11-86 - 632 C - 15-8-84
" 3902 C - 6-11-86 - 3197 W - 12-11-83
" 6 W - 4-1-86 - 2924 W - 6-11-82
" 1464 C - 4-9-85

No. 707 C d/ 18th Feby 1888

Memo

Adverting to his letter No. 808 T.N. d/ 11 Feby 1888 the Supg. Engr. VI Circle is requested to be so good as to send for reference the Chief Engineer's remarks mentioned in para 3. They were forwarded to the S.E. under cover of endorsement No. 2564 C d/ 2d August 1887.

17.2.88

17/2/88

S.E. VI Circle
S.E. VI C. for Cor.
No. [illegible] 18.2.88.

P.W.C No 1466

From
The Supdg. Engineer
6th circle.

To
The Chief Engineer
P.W.D.

No. 808 T.N.
Dated 11th
D° 13th } February 1888.
Recd. 16.2.88

15 2 88
DEPARTMENT

No. 707 C d/ 18th Feby 1888

Temporary Establishment required for the Tinnevelly Dn.

Reports on the —
& requests whether the — shd be allowed for. —

both districts

1304/33

…w:
…u are working under the Secy. Engrs. direct orders,
…Dn. Office is heavier than would be the case if there
…75, now applied for, is absolutely necessary.
…30 in the Madura Dn. Office is recommended for the
…G. O. No. 2905 W / 5-11-87. As it is proposed to spend nearly a lac
…Dn. & there will be a very large number of works in
… the services of an extra clerk on Rs. 20 per mensem

…sent sanctioned. The necessity of employing a Special Secy.
…ist after the 30th June; but as it is uncertain when the arches
…ade, when the Secy. Engr. leaves, establishment for the whole

…specially necessary in order to get the records of the
draftsman is required for completing the plans of the Govt. buildings and lands
Office is also applied for. The Office is in correspondence
…e work is very heavy; and I consider an extra hand
work extra hours.

J. W. Rundall
Supg. Engr., 6th Circle

No 918 C d/ 5th March 1888

EXAMINER
No 832
6 MAR 1888
P. W. ACCOUNT

To

C

For favor of check as regards "present scale" and return.

3.3.88

D.W.

From

The Supg Engr
6

To

The Chief Engin
P.W.

No 2157 I.A.

Dated 27th February 1888

Recd 2.3.88

Sixth Circle.

1084/34

P. W. Department

Memo.

From the Supg. Engr. 4 Circle No 808 I.A. d/ 11 Febry 1888.
——— do ——— do ——— No 832 I.A. d/ 21 Febry 1888.

It is of importance that the plans in question should be prepared. The services of an extra draftsman for this duty may therefore be applied for in the statement of temporary establishment to be submitted for next year, this memo being quoted as the authority for the application.

23.2.88

D.E.W.

To

The Supg. Engr.
4 Circle

53

Public Works Department

Memo

From the Superintending Engineer VI Circle No. 808 J.A. d/11th Feby/88

Vide No. 707C
d/18-2-88

The Superintending Engineer is requested to be so good as to explain more fully the necessity for the two extra draftsmen in the Tinnevelly Division. They were allowed for some years as there was much work to be done with regard to the Srivaikunthan anicut project – but now there is, it is believed, but little work to be done; – certainly not more than in any ordinary divisions.

2. It is considered that the plans of all buildings could be verified and corrected, (not redrawn, as this is not necessary) with a little assistance.

3. The Superintending Engineer is requested to report what extra establishment is

is required for this purpose.
Three extra draftsmen certainly
do not appear to be needed.

24.2.88

24/2/88

No. 707 C d/18-2-88
" 2564 C " 2-8-87
" 2289 W " 25-8-87
" 3087 W " 22-11-86
" 3902 C " 6-11-86
" 6 W " 4-1-86
" 1464 C " 4-9-85
" 5633 " 29-6-85
" 2711 W " 3-11-84
" 632 C " 15-3-84
" 3197 W " 12-11-83
" 2924 W " 6-11-82

R. S.

No 823 C d/28 Feby 1888

To

The Supdg Engineer VI Circle

29/2

[C. No. 8.]

GOVT. OF MADRAS. 1888. P.W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 12 March 1888.

OFFICE NOTE No. 1194

To

W.

Your O. N. No. 618 C. dated 5th. March 1888.

Entries in the column "Present Scale" of the proposal statement have been checked and found correct, except that the 2 draftsmen on Rs. 40 per mensem sanctioned for the Tinnevelly Division in G. O. No. 2289 W. dated 25th. August 1887 have been omitted.

12/3

C.

12/3

12/3

KEEP-WITH Genl. No.

dated 188 .

1,000—7-2-88.

P.W.C. No. 2473

No. 1057C d/ 12-3-88
" 918C " 5-3-88
" 823C " 28-2-88
" 707C " 18-2-88
" 2935W " 5-11-87
" 2289W " 25-8-87
" 2564C " 2-8-87
" 1464W " 30-5-87
" 1376W " 19-5-87
" 3087W " 22-11-86
" 3902C " 6-11-86
" 6W " 4-1-86
" 1464C " 4-9-85
" 563J " 29-6-85
" 2711W " 3-11-84
" 632C " 15-3-84
" 3197W " 12-11-83
" 2924W " 6-11-82

Rg 13.3.88

1004 W

Circ. 26-3-88 R. 28-3-88

Sixth Circle.

Statement of proposition for temporary Establishment required for the Tinnevelly Dn. for 1888-89. 1804/38

Order sanctioning present Establishment Government of Department		Office to which the proposition refers.	Nature of change												Proposition						Remarks by Local Government.
			Present scale						Proposed Scale.						Permanent		Temporary				
					Pay						Pay				Increase per Month	Decrease per month	Increase per month		Decrease per month.		
No	Date		No	Designation	Minimum	Increment	Maximum	Average fixed	No	Designation	Minimum	Increment	Maximum	average fixed.	Amount	Amount	Period	Amount	Period	Amount	
				Office.						Office.											
2289 N	25th August 1887	Tinnevelly Division.	2	Draftsmen at Rs 40 per mensem	"	"	"	80	1	Draftsman at Rs 35 per mensem	-	-	-	35	-	-	-	-	-	45	
				For 1 month				80		For one month	-	-	-	35	-	-	-	-	-	45	
				For 6 months.				480		For 12 months	-	-	-	420	-	-	-	-	-	60	

No. 870 Th

Submitted to the Chief Engineer, P.W.D. for sanction with reference to his No. $\frac{823C}{28.2.88}$ & in confirmation of this office No. $\frac{2545 T}{27.2.88}$.

2. The Temporary Draftsman now applied for is required for completing the plans of Government Buildings & lands. No further hands are needed.

J. W. Rundall

Supt. Engineer, 6 Circle.

Ambasamudram

Dated 5th March 1888.

No 1057 C d/12th March 1888

From
The Supdg Engineer
VI Circle
Trichinopoly

EXAMINER
884
1888
ENCLOSURES
ACCOUNTS

Forwarded to the Examiner of P.W. Accounts in continuation of this office No 918 C dated 5th March 1888 for check and return.

10.3.88

To
The Chief Engineer
P.W.D.
Madras.

No 870 T.K

Dated 5th }
Despd 7th } March 1888

Recd 22/3

No 1226
17.3.88

To W.

Entries in the column "Present Scale" of the proposal statement have been checked and found correct.

17/3 C.

17/3
88.
17/3.

Supplement &c.

Statement of propositions for temporary Establishment for the Tinnevelly Division for 1888-89.

To The Examiner P.W. Accts

26-3-88 R. 28-3-88

1004/38 Genl Establt

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supdg. Engineer VI Circle. H. E. No: 2154 T.J. d/27th February 1888.
Office note from the Examiner of P.W. Accts. H. E. No: 1194 d/12th March 1888.
From the Supdg. Engineer VI Circle. H. E. No: 870 T.K. d/5th March 1888.
Office note from the Examiner of P.W. Accts. H. E. No: 1226 d/17th March 1888.

"The statement of temporary establishment required in the VI Circle during 1888-89 is sanctioned."

2. — This sanction has been registered as Provincial No: 65 W of 1887-88, and classified as Establishment, Temporary.

26.3.88

26/3/88

D 772

To
The Supdg. Engr. VI Circle
" Examiner of P.W. Accts.

Cire. 26-3-88

Govt. of [1888] Madras.

PUBLIC WORKS.

29/3/88

Dated

Recd.

G.O. 28 Mch 1888 No. 1004 W.

Temporary Establishment required in the VI Circle during 1888-89.

The proposition statement of —, sanctioned.

10/3

8026
28/3