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9TH NOVEMBER 1887, No. 3003 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From the Superintending Engineer, IV Circle, dated 20th October 1887, No. 419 E.W.
From the „ „ IV „ „ 20th „ „ „ 420 E.W.
From the „ „ IV „ „ 20th „ „ „ 421 E.W

ORDER—dated 9th November 1887, No. 3003 W., Public Works.

The following sums surrendered under Provincial are resumed and credited to the reserve with the Government under that head:—

	RS.
1. Constructing public offices at Ponáni	3,000
2. Do. Collector's office at Calicut	10,000
3. Improvements to the District Munsif's Court at Betatnad ...	314
4. Constructing 12 new cells for lunatics in the District Jail at Calicut	2,200
5. Extending the Organ Chamber, St. Stephen's Church, Ootacamund	400
6. Improving the roof of St. Stephen's Church, Ootacamund ...	124
7. Constructing the revetment for the protection of the town of Ponáni	300
8. Improving the water-supply of that portion of Ootacamund lying north of the lake	10,000
9. Constructing a raised foot-path from Charing Cross to the market at Ootacamund	150
10. Miscellaneous public improvements, repairs, Nilgiri division.	1,000
Total ...	27,488

2. The following appropriations are made from the Provincial reserve:—

	RS.
1. Law courts at Calicut	400
2. Converting into out-patients' wards the sweepers' quarters, and constructing a compound wall at the Lunatic Asylum, Calicut	472
3. Alterations to the buildings in the Fort at Tellicherry to fit it for use as a Sub-Collector's office	1,045
4. Government House, Ootacamund	5,000
5. Constructing a combined bench magistrate's court and third-class police station at Kótagiri	400
6. Widening and raising the clock turret at Stonehouse Hill, Ootacamund	930
7. Forming steps to the police huts at Devála	50
8. Repairing the Curator's house in the Government Gardens at Ootacamund	2,805
9. Civil buildings, minor works, Nílgiri division	250
10. Rebuilding a portion of the District Munsif's Court at Námakal	189
11. Improvements to the Central Jail at Coimbatore	531
12. Civil buildings, repairs, West Coast division	3,000
13. Do. do. Coimbatore do.	1,500
14. Tools and plant, Nílgiri division	6,000
15. Do. West Coast division	1,300
Total ...	23,872

3. Allotments have not been made for the new works detailed in the margin, the funds at the disposal of the Government to meet other emergent demands being limited.

	RS.
Renewing the roof of the Clerk's office, Stonehouse Hill, Ootacamund ...	2,250
Improvements to the Police station and Inspector's quarters at Wellington ...	1,200
Improvements to the Police station and huts at Coonoor	1,845

4. The special report on the Calicut-Vayitri road has been received and will be disposed of separately.

5. No funds have been allotted for the Vayitri-Gúdalúr road pending receipt of a revised estimate for the Sholadi bridge, which the Superintending Engineer states will soon be submitted.

6. As there is no reserve with the Government under Postal, Minor Works, the Superintending Engineer will apply to the Director-General of Post Offices for funds required under that head.

7. The additional allotment of Rs. 267 required for the West Coast division under Postal Repairs is appropriated from the reserve with the Government under that head.

8. A sum of Rs. 522 has already been appropriated for painting and repairing the lighthouse and store-room at Mangalore in G.O., No. 2866 W., dated 25th October 1887.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Examiner, Public Works Accounts.
„ Judicial Department.
„ Revenue „
„ Ecclesiastical „
„ Financial „
„ Public „

Exd. A. Aubert.
Spare Copies

3003/2

GENERAL.
ACCOUNT.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated November, 9th.

Recd. *Encl.*

G.O., 9th Nov. 1887, No. 3003 W.

NOVEMBER.

Funds

Orders on application from the Superintending Engineer, IV Circle, for certain modifications of allotments under Provincial, Imperial Civil Works and Excluded Local Funds.

3003/3

2nd March 1886, No. 551 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From Major A. C. SMITH, R.E., Executive Engineer, Nílgiri division, to the Examiner, Public Works Accounts, dated Ootacamund, 6th February 1886, No. 2730.

With reference to paragraph 136 of Mr. MacDonald's report printed with G.O., No. 2950 W., of 9th December 1885, in which he advocates the removal of the boat suspense account from the miscellaneous advance account of one of the Godávari divisions, I have the honor to inquire whether there would be any objection, from your point of view, to the principle therein enunciated being applied to the public cattle suspense account maintained in this division.

2. My own opinion is that it could be advantageously adopted in this connection.

3. Instead of debiting miscellaneous advances with the monthly expenditure incurred on account of public cattle, and then relieving that head by debiting at a fixed rate the works on which the cattle are employed, I propose to distribute the monthly expenditure direct to the works on which the cattle are employed, and so avoid the necessity of having a separate miscellaneous advance account. Cattle employed by officers and subordinates of the department and private parties could be hired out at a fixed rate, based on the prevailing market rate, and the recoveries on account credited as revenue.

4. As Mr. MacDonald suggests, an administrative account can always be prepared to see whether the cattle are paying or not, although in an exceptional district, like the Nílgiris, it would perhaps be necessary to maintain public cattle, whether they were paying or not.

No. 449 S.E.

Forwarded to the Secretary to Government, Public Works Department, for favor of orders.

2. The undersigned approves of the Executive Engineer's proposal.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

11th February 1886.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 24th February 1886, No. 57 E.W.

In returning your endorsement, No. 636 C., of 15th instant, I have the honor to state that I see no objection to the Executive Engineer's proposal to dispense with the suspense accounts in connection with the public cattle maintained in the Nílgiri division.

ORDER—dated 2nd March 1886, No. 551 W., Public Works.

The proposals of the Executive Engineer, Nílgiri division, are sanctioned.

(True Extract.)

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

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

Exd. E. Fernandez.
Spare Copies

3003/4

GENERAL.
ACCOUNT.

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated March, 2nd.

Recd. *Encl.*

G.O., 2nd March 1886, No. 551 W.

MARCH.

Suspense Accounts

The proposals of the Executive Engineer, Nílgiri division, to dispense with the — in connection with the public cattle maintained in his division, sanctioned.

3009/1

30TH SEPTEMBER 1886, No. 2565 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, 23rd September 1886, No. 97 W.:—

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

2. The possible reduction of the imprest with Sergeant Webb and the withdrawal of that with the Commandant at Wellington should have Executive Engineer's consideration. The more frequent submission of sub-divisional cash-books would be of great assistance in the furtherance of monthly accounts works; if the original and copies were written up together, there should be no trouble in at least a fortnightly submission.

3. The very large sums in Mr. Lord's cash chest are brought to notice of Government.

4. The accountant should be careful in regard to the proper record of liabilities for payments to be made at some future date, so that the grant at the Executive Engineer's disposal may be properly watched.

5. The discrepancies referred to in paragraph 8 require Superintending Engineer's attention and the delays in payments in Mr. Lord's sub-division, as noticed in paragraphs 4 and 10, should be inquired into; also the points in paragraph 10 (a), (b), (d), (e).

6. The rates for labor and for outturn seem to be excessive, and should be a matter for Superintending Engineer's consideration.

7. It would save a lot of unnecessary accounts work if charges for the upkeep of cattle were at once charged to tools and plant, any return from hire to private parties or for non-departmental purposes being treated as revenue. The delay in the recoveries of hire is not satisfactory.

8. With reference to paragraph 14 the Superintending Engineer's attention is necessary to Code paragraph 1073, and his orders are desirable.

9. The Executive Engineer's special attention is requisite to paragraph 15, as it is of very great importance to the persons concerned that the record of their services should be properly and punctually kept, that eventual verification of services for pension may be easy.

ENCLOSURE.

NOTES of inspection by F. G. HEAVEN, Esq., Deputy Examiner of Public Works Accounts, Madras, of the office of the Executive Engineer, Nilgiri division, on the 8th to 11th September 1886.

The last inspection of this office by an Accounts officer was in March 1886 (*vide* G.O., No. 1340 W., dated 29th May 1886). Since that time both the Executive Engineer and the accountant have changed, Mr. W. B. deWinton, Executive Engineer, 3rd grade, having taken over from Major A. C. Smith, R.E., in August 1886, and Mr. L. Taylor having been transferred to the division as accountant in June 1886, *vice* Mr. J. T. Maddox, deceased. Both the Executive Engineer and the accountant were present at the inspection.

2. The disbursers are, as at the date of last inspection, the Executive Engineer, drawing on (1) Ootacamund, (2) Coonoor, (3) Gúdalúr; Sub-Conductor A. C. Lord, Sub-Engineer, drawing on

all the above, and Sub-Conductor R. A. Bragg, Sub-Engineer, drawing on (1). Imprests are held by Sergeant H. Webb, Supervisor, Rs. 500, and the Commandant, Wellington, Rs. 200. The former was opened on the 19th August, and had not been recouped up to date of inspection; the latter was opened in order to pay for petty repairs, &c., executed on requisitions: it has not been sanctioned by Government, and should be withdrawn, advances being made, as required, against sanctioned requisitions, and the amount charged to works on receipt of completion certificates; this plan is the one adopted in the Presidency and other divisions, and is found to work well.

3. The treasury pass-book and the Executive Engineer's cheque books were examined and found in order; the balance of drawing account at end of August was proved correct. The certificate inside the cover of cheque books has not usually been signed by the Executive Engineer and accountant before the books are taken into use; this should receive attention. The pass book is sent to the treasury only twice a-month.

4. *Cash accounts.*—The divisional cash-book is very well kept by the head clerk; vouchers for August were readily produced; in September it was noticed that the Executive Engineer drew his salary for August before audit, contrary to Code paragraph 499: several telegrams relative to Messrs. Groves and Company's accounts for Wellington church appear somewhat unnecessary, as there is no immediate prospect of a final settlement of their accounts. The cash-book and vouchers are properly audited by the accountant.

5. Sub-divisional cash extracts are received only once a-month; it would facilitate the punctual preparation of work abstracts if they were submitted every ten days. In Sub-Conductor Lord's cash-book a tendency to delay payment of labor and maistries was noticed; thus, labor on Kullár-Gúdalár road for January and February 1886 was paid in April (this delay was noticed in paragraph 6 of the last report), and for June and July 1886 on the 21st August. Sometimes Mr. Lord has large amounts of cash in his chest for several days, *e.g.*, the closing balance was on 21st May nearly Rs. 1,200; 24th, Rs. 3,400; 25th, Rs. 2,300, paid away 29th; on June 11th, Rs. 1,200; 15th, Rs. 800; August 13th, Rs. 1,200, paid away 17th; this may be necessary, as payments have to be made along many miles of road; but perhaps the amounts might be lessened by judicious drawing on sub-treasuries. The extracts of both sub-divisional officers are very neat, and are usually received with fair punctuality, and accompanied by all vouchers relating to them. It would be well if pay lists of all men employed by the month and charged to works were submitted to the Executive Engineer monthly for sanction, and payments made in the same way as to regular establishment; this would improve the Executive Engineer's control over work establishment employed, ensure their punctual payment, and also enable such establishment to be entered in part I of the work vouchers for the month in which they are actually employed, which is not now the case.

6. The cash abstract book and adjustment book are now kept by the accountant, and are extremely neat; columns have been opened in the former under "Provincial, Original Works" and "Repairs" for civil buildings, communications, and miscellaneous public improvements, and under "General Establishment" for "salaries" "travelling allowance," and "contingencies."

7. *Budget registers* are fairly neat: the re-distribution of Provincial grant made by G.O., No. 1594 W., dated 23rd June 1886, has been taken as correcting the budget figures, instead of as a transaction of June. There is no entry in the register of liabilities for the current year: the estimated value of lightning conductors indented for from England, and perhaps other items, should find a place there.

8. *Stock accounts.*—Initial accounts are rendered by the divisional storekeeper, by sub-divisional officers, and by the supervisor at Wellington; the three former are in order, but some discrepancies were observed in the Wellington accounts for March 1886; alterations were made by the divisional office in the accounts as submitted by the supervisor; the case has been since taken up by the present accountant and the necessary adjustments made in accounts for July. No half-yearly stock returns are received from subordinates, and no certificates of actual count at the end of last March are on record: the presumption is that the figures in the column "as actually counted" in the divisional return do not in all cases represent actuals. In one item, at all events, there is a difference: 3-inch pipes at Wellington are shown by the subordinate in charge as 1,326, and in the half-yearly return as 937, the difference (389) having been shown as an issue by the late accountant in October 1883; the work to which they were charged could not be traced, as work abstracts at that time were filed by works instead of by months: if, on further investigation, the work to be credited cannot be traced, or its accounts have been closed, the extra number may be used to reduce the rate: these pipes were ordered by G.O., No. 1142 W., dated 6th May 1885, to be sold; but as no purchasers are found, it is now proposed to retain them on stock. The stock abstract book is neat. Materials issued to the Director of Cinchona Plantations should now be placed under head "III. Interdepartmental Transfers, Other Departments."

9. *Transfer accounts* are in good order, advices and acceptances being as a rule punctually despatched.

10. *Work accounts.*—The work register for 1886-87 is neatly kept, and bears Executive Engineer's initials in token of inspection; in some cases rates, though entered in the work vouchers,

3003/6

do not appear in the register: this is stated by the clerk in charge of work accounts to be due to his writing up work vouchers from the work register and taking them home with him to strike rates: the work register should, of course, be complete in every respect before the schedule and the work vouchers are commenced; and the accountant stated that this was the case except as regards rates. Work abstracts are compiled in the divisional office: initial accounts are, as a rule, received in good time from subordinates; but in some cases in Mr. Lord's sub-division, as detailed below, they have been delayed; the clerical work of his sub-division is somewhat heavy, and he may perhaps need more assistance. Ten-day reports are, in all cases, clean and neat; in fact, they give rise to an impression that they are prepared in the office, and not on the works, and the same is the case with nominal muster rolls: the latter are kept in Mr. Bragg's sub-division and at Wellington for ten-day periods, and in Mr. Lord's sub-division for months, payments being made for the latter period. Since the cashier's appointment was abolished, payments have been made by sub-divisional officers, and are usually witnessed by two other persons. In the case of minor works ten-day reports are not received, quantities being taken from the muster rolls; the work done is thus brought into accounts of the month in which payments are made, which is not quite correct. Good vouchers were found, with one exception noted below, for all payments under "Departmental labor not vouched for to central office;" materials at site were acknowledged by sub-divisional officers as at the end of June and July 1886, respectively. The accounts of several individual works for May 1886 were gone into, and the following points may be noticed:—

(a) *Church at Wellington.*—This work is being carried out mainly by contract, some of the materials being supplied departmentally: the account of materials was in some confusion, containing much that should have been charged to the contractors or to the work. The matter was personally investigated by the present Executive Engineer in August, and the necessary adjustments will be made at an early date.

(b) *Repairing Bombay Castle (Mountstuart).*—For 102 cubic feet of brick in chunam the materials issued were 6,000 bricks, 25 paras sand, and in the next ten-day report 50 paras lime; for white-washing and concrete in chunam no materials issued. Payments made by cashier in presence of Sub-Engineer; no other witness.

(c) *Repairs to Government House.*—The estimate for 1885-86 was Rs. 8,190, of which Rs. 6,620 was spent in that year: the balance of Rs. 1,570 was re-sanctioned for expenditure in the current year, but the work register shows the whole estimate and expenditure including that of last year.

(d) *Annual maintenance, Kullár-Gúdalúr Road.*—Sub-heads are more numerous than those laid down in Code paragraph 1205; such refinements as the sub-division of "ordinary maintenance" into "mile peons," "mile coolies," "sweepers," and "assistant coolies" appear unnecessary. Quantities are in some cases entered in the work register in cubic yards, a unit not recognised by the Code; in the work abstract cubic yards and cubic feet are mixed up indiscriminately. The work abstract is kept by sections, *i.e.*, "Kullár Coonoor" "Coonoor Craigmore," &c., and these have to be abstracted again for the work register. Labor for March and April was paid on the 25th and 29th May. Commission on copper change: no voucher taken; it is perhaps unnecessary. Measurement sheets are attached to muster rolls. Attached to a piece-work bill for Rs. 289-4-1, dated 26th April 1886, was a note by the sub-divisional officer showing that value of 2 barrels and 2 bags Portland cement was to be deducted; this was not done when payment was made, and the matter should be inquired into. The issue of the cement from stock could not be traced. No measurement sheet was attached to a bill for supply of blue metal by Mr. E. W. Mitchell, nor was the measurement book in question in the divisional office.

(e) *White-washing military buildings at Wellington.*—The work voucher does not agree with the work register, as the latter includes last year's outlay. Ten-day reports were received in divisional office as under—

For 27th April to 6th May on 21st May.
" 7th to 16th May on 27th May.
" 17th to 26th May on 8th June.

They should be more punctual.

(f) *Lake brickfield, repairing trench kiln.*—Labor for 21st to 31st March was paid on 12th May. The rates for labor as taken from the ten-day reports are very high, *e.g.*—

	RS.	A.	P.
970 cubic feet earthwork cost	62	3	0
163 cubic feet earthwork and 985 cubic feet brickwork cost.	85	7	0
96 cubic feet earthwork and 900 cubic feet brickwork cost.	70	2	6

The rate for labor on brickwork taken from the data available in the office should be about Rs. 4-8-0 per 100 cubic feet and for earthwork not more than Rs. 10 per 100.

(g) *Brick manufacture at the Lake brickfield.*—The accounts of this work from commencement in March to end of July were gone into; the rates seem high, but the

Executive Engineer promises to endeavour to reduce them: the estimated outturn rate is Rs. 26 per 1,000; but taking work done to end of July it might perhaps be reduced to Rs. 24, arrived at as under—

	RS.	A.	P.
Moulding	5	3	0
Loading	1	7	0
Unloading	1	6	0
Firing	9	9	0
General charges	0	7	0
Land and kilns	6	0	0
Total ...	24	0	0

The quantities in the ten-day reports are taken from a daily report kept by the storekeeper in charge of the operations. June's ten-day reports did not reach the divisional office till 27th July, and so had to be taken in July's accounts; those for July reached on the 13th August, and those for 1st to 20th August on the 2nd September and for 21st to 31st August on the 6th September. Satisfactory vouchers were found for all payments.

11. Measurement books are now neatly kept, and measurements of contract work cancelled by red lines when the bill is submitted.

12. *Account of public cattle.*—This is still kept under deposits and miscellaneous advances. The five months to end of August show a profit of Rs. 495, the rate charged, both to works and to private individuals, being Rs. 1-8-0 per pair per day. Last year the account closed with a small loss, and it is probable the profit will disappear in the cold weather, when less work is done; if not, the rate charged to works may be lowered, that charged to private individuals, which does not exceed the market rate, being continued. In G.O., No. 551 W., dated 2nd February 1886, it was ordered, on the late Executive Engineer's representation, that charges for upkeep of these cattle should be debited direct to works, but this was found impracticable, and the G.O. has not been acted on: the present system works well; but if any alteration is made, all charges in connection with the upkeep of the cattle should be debited to "General tools and plant, repairs and carriage," no charge being made to *works* on which they may be employed, and recoveries from private individuals being credited to "Provincial Revenue." Charges not supported by vouchers sent to the Central office were looked into with satisfactory results; they are for wages of drivers and grass cutters, and for tolls, forage and batta paid to drivers when sent away from headquarters.

13. *Miscellaneous advances.*—The outstandings at end of August includes Rs. 9 due from Mr. Larminie, Executive Engineer, and Rs. 3 from Mr. Morison, contractor, for hire of cattle in July, bills for which amounts have been submitted; there is also an advance made, on the authority of G.O., No. 1563 W., dated 21st June 1886, to the Director of Cinchona, accounts for which have been received, and will shortly be adjusted. Stamped contract bonds and blank service books were satisfactorily accounted for.

14. The *schedule of rates* is dated February 1885, and has apparently been since corrected by the head draftsman, who is now on leave; the details from which rates are arrived at are as old as 1877, and should be revised.

15. *Service books* are maintained in all cases where necessary; some were examined and the following points noted:—

(*a*) Sergeant Webb; attested 28th August 1881, should now be re-attested.
(*b*) Raghavendra Rao, clerk; opening entries not attested.
(*c*) J. Dongroji Rao, clerk; increments not attested by Executive Engineer's signature.
(*d*) Sayid Jan, lascar: date of appointment blank.
(*e*) Batay, messenger; date of birth altered from 1862 to 1854; no initials to correction.
(*f*) Viraswami, lascar, transferred to West Coast division in July; service book still in this division.
(*g*) P. Davasikhamani and T. K. Muthuvelu Pillai, clerks; opening entries not attested since 1880.

It would be well for Executive Engineers to make a thorough inspection of all service books yearly or half-yearly, and see that they are kept complete and up to date.

16. Deposit account, contractors' ledger, registers of buildings and churches, tools and plant accounts, monthly road metal returns, postage label account,—are all in order, and call for no special remark. The Public Works Department Code and Forms are complete, with standing orders up to date.

17. With reference to paragraph 9 of last report, the cashier's services have been dispensed with, and the accountant is now assisted by Raghavendra Rao (Rs. 42) and Narsinga Rao

(Rs.30): the former is about to be transferred to the Central office, and is to be replaced by a clerk from the Superintending Engineer's office, who will, it is to be hoped, have some experience in accounts work. The present accountant does a fair share of the work himself, and if he does not get a competent assistant, the accounts must suffer.

ORDER—dated 30th September 1886, No. 2565 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, for the information and guidance of the Executive Engineer, Nílgiri division.

2. The imprest with Sergeant Webb should, if possible, be reduced, and that with the Commandant at Wellington withdrawn. Some explanation of the necessity for the large balances in Mr. Lord's cash-chest should be afforded, and endeavours made to reduce them in future.

3. The attention of the Superintending Engineer willbe drawn to the matters referred to in paragraph 5 of the Examiner's letter, and the subject of paragraph 6 will receive his consideration. The proposal that charges for the upkeep of public cattle should be at once charged to tools and plant will be referred for the Superintending Engineer's opinion with advertence to G.O., No. 551 W., dated 2nd March 1886.

4. Steps should be at once taken for the revision of the schedule of rates, and a copy of the revised schedule should be submitted for information. The Executive Engineer will see that all service registers are completed and kept up to date.

5. In paragraph 10 (*g*) of the Deputy Examiner's notes, it is stated that the estimated outturn rate per 1,000 for bricks manufactured at the Lake brickfield is Rs. 26, but that taking the work done to the end of July last, the rate might perhaps be reduced to Rs. 24, but in his letter recorded in G.O., No. 1957 W., dated 6th August 1886, the Superintending Engineer reported the cost to be Rs. 21-6-0 per 1,000; and he will now be requested to explain the discrepancy.

(True Extract.)

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

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

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated September, 30th.

Recd. *Encl.*

G.O., 30th Sept. 1886, No. 2565 W.

SEPTEMBER.

Inspection Notes

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

3003/8

24th August 1887, No. 2272 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 30th July 1887, No. 317 E.W.:—

I have the honor to submit, for the sanction of Government, a plan and estimate, amounting to Rs. 930, for widening and raising the clock turret at Stonehouse Hill, Ootacamund, together with a copy of the letter from the Executive Engineer, Nílgiri division, No. 1357, dated 23rd instant, which explains the necessity for the alteration now proposed.

Order—dated 24th August 1887, No. 2272 W., Public Works.

The estimate, amounting to Rs. 930, for widening and raising the clock turret at Stonehouse Hill, Ootacamund, is sanctioned against the minor works grant to the Nílgiri division.

2. This sanction has been registered as Provincial, No. 76 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with two enclosures.
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, IV Circle.
" Public Department.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated August, 24th.

Recd.

Encl.

G.O., 24th Aug. 1887, No. 2272 W.

AUGUST.

Clock Turret at Stonehouse Hill, Ootacamund

Estimate for widening and raising the —, sanctioned.

3003
9

7th September 1887, No. 2415 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 15th August 1887, No. 342-E.W.

I have the honor to submit, for your opinion and for sanction, if considered necessary, a revised estimate, amounting to Rs. 915, for making three archimedean screws for use in the West Coast division.

2. I have to inform you that I sanctioned an estimate of Rs. 395 (viz., three archimedean screws Rs. 260, and the despatch charges Rs. 135) in last month, as the amount of the estimate was within Rs. 500, and the necessity for submitting a revised estimate is explained in the accompanying letter of the Executive Engineer, West Coast division, No. 484 of 9th instant.

3. The Executive Engineer, West Coast division, was, I consider, reasonably misled by the letter of the General Superintendent, which stated that "the estimated cost of making three archimedean screws will be Rs. 260, and the despatch charges Rs. 135."

4. I have informed the Executive Engineer, West Coast division, that he should delay payment of the workshop bill, pending your sanction to the revised estimate, as it seems to me that, under the circumstances, the charges should be only Rs. 395.

No. 2778 C.

Referred, through the Superintending Engineer, V Circle, to the General Superintendent, Public Works Workshops, for explanation of his statement in No. 756 W., dated 27th June 1887, that the cost of the three screws would be Rs. 260.

(By Order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Deputy Chief Engineer.

18th August 1887.

From A. JOYCE, Esq., General Superintendent, Presidency Workshops, to the Superintending Engineer, V Circle, dated Madras, 25th August 1887, No. 1264 W.

With reference to your endorsement, No. 2159, dated 22nd August 1887, I have the honor to state that in my letter, No. 756 W., dated the 27th June 1887, the word "each" was left out after "Rs. 260," as the cost of *each* archimedean screw is Rs. 260.

2. The papers received with your endorsement are herewith returned.

No. 2228.

Forwarded to the Chief Engineer, Public Works Department.

29th August 1887.

(Signed) H. M. VIBART, Col., R.E.,
Superintending Engineer, V Circle.

ORDER—dated 7th September 1887, No. 2415 W., Public Works.

The estimate, amounting to Rs. 915, for three archimedean screws required for use in the West Coast division, is sanctioned.

2. This sanction has been registered as Provincial, No. 83 W. of 1887-88, and classified as Tools and Plant.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
" Examiner of Public Works Accounts, with the estimate.

Exd. J. Henricus.
Spare Copies

3003/10

GENERAL.
ACCOUNT.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated September, 7th.

Recd. *Encl.*

G.O., 7th Sept. 1887, No. 2415 W.

SEPTEMBER.

Archimedean Screws

Estimate, amounting to Rs. 915, for three — required for use in the West Coast division, sanctioned.

27TH SEPTEMBER 1887, No. 2563 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from M. A. LAWSON, Esq., Government Botanist and Director of Cinchona Plantations, Nílgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 15th August 1887, No. 232:—

The Curator's house in the Government Gardens, Ootacamund, is in a state of very bad repair; the roof, which is old, and which is formed of mats and country tiles, leaks badly; the floors, too, are in most of the rooms rotted and full of holes, and the whole building requires extensive repairs.

2. The cost of these repairs would be, according to the estimate of the Public Works Department, Rs. 2,805, but as this amount exceeds one-fourth of the estimated value of the building, which is Rs. 7,530, it cannot be sanctioned by the Superintending Engineer of this division without permission being specially obtained from Government.

3. I have the honor therefore to request that you will be good enough to obtain for me the sanction of Government for the amount, viz., Rs. 2,805.

No. 5122, Revenue.

Approved and transferred to the Public Works Department for sanction.

OOTACAMUND,
29th August 1887.

(Signed) J. F. PRICE,
Ag. Secretary to Government.

ORDER—dated 27th September 1887, No. 2563 W., Public Works.

The estimate, amounting to Rs. 2,805, for repairing the Curator's house in the Government Gardens at Ootacamund, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No, 96 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with two enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Revenue Department.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated September, 27th.

Recd. *Encl.*

G.O., 27th Sept. 1887, No. 2563 W.

SEPTEMBER.

Government Gardens, Ootacamund

Curator's residence.—Estimate for repairing the —, sanctioned.

3003/12

IV Circle P.W.D

Statement showing the surrenders and demands under Imperial Civil Buildings

3803/13

Division	Item No	Works	Amount of Estimate	No. and date of sanction	Outlay Up to 1886-87	Outlay During the current year up to Sept	Balance of Estimate	Existing grant for 1887-88	Proposed Increase or Decrease	Revised or Proposed grant	Remarks
West Coast		Imperial Civil Buildings Original works Surrenders Nil									
		Appropriations									
	1	Excavating well for the Post Office at Mallapuram	176	M.W "	"	"	176	"	176	176	Estimates have been prepared and approved by Postal authorities. The works have not been put in hand for want of funds.
	2	Fixing round iron bars to four windows and shutters for two doors to the Post Office building Manantoddy	140	M.W "	"	"	140	"	140	140	
	3	Fixing iron bars to the windows and doors of the Post Office Vayitri	172	M.W "	"	"	172	"	172	172	
									448		
		Repairs									
	4	Lump sum	676			242	334	400	276	676	

Supg. Engineer's Office, IV circle,
Coimbatore 20th October /87.

E. Beatty Colonel RE
Supdg. Engineer IV Circle

P.W.C. No. 8436

3809/14

From

Colonel J. Beatty R.E.
Supg: Engineer
4th Circle

Dated 20th } October 1887
Received 22 }

No. 419
W

Statement showing the
surrenders and demands
under "Imperial Civil
Buildings"

		Civil Buildings B. forward								17367	
		Repairs									
	"	Lump sum West Coast Dn.						5,000	3,000	8,000	The Original grants were very insufficient. The estimates sanctioned under this head up to date amount to the sums now applied for.
		Lump sum Coimbatore Dn.						4,000	1,500	5,500	
		Communications									
West Coast	15	Calicut Vayitri Road	375578	G.O. No. 950 W. of 30th March 1887.	154707	76,010	144861	100,000	30,000	130,000	A special report is expected from the Executive Engineer which will follow.
West Coast	16	Vayitri Gudalur road	410,000	G.O. No. 2412 W. of 15th October 1885.	14850	6,482	388662	7584	4,000	11,584	Revised estimate of Sholadi bridge will be submitted as soon as possible. Work has been temporarily stopped pending sanction of the revision.
		Tools & Plant									
West Coast	"	Tools & Plant New supplies and Repairs	"	"	"	"	"	5,000	6,000	× 11,000	× The total of Rs 11,000 required under Tools & Plant is made up as follows:— For upkeep of Public Cattle Rs 9,000 Purchase & Repairs tools & Plant 2,000 11,000
Nilgiris	"	Do. Do. Do.	"	"	"	"	"	1,000	1300	* 2,300	* Required to meet the revised estimate for Archimedian Screw sanctioned in G.O. No. 2415 W. d/17th Septr./87.
				Total of the proposed appropriations						63,167	

Supg: Engineer's Office IV circle,
Coimbatore, 20th October /87

AP

L. Beatty Colonel RE
Superintending Engineer IV Circle

27488
23683
3805

63167
23683
39484

3000
4000
189
1845
1200
2250
39484

	B. forward								10547	
Nilgiri										
9	Repairing the Curators house in the Government gardens at Ooty	2805	G.O. No 2563 W d/ 27-9-87	.	-	2805	-	2805	2805	
10	Improvements &c to Police station & inspectors Quarters at Wellington							1200	1200	Estimates are now ready for submission. If there is a difficulty in providing funds these two works may be deferred.
11	Improvements to Police station & huts at Coonoor							1845	1845	
Coimbatore										
12	Lump sum				1934	-	2000	250	2250	
13	Rebuilding a portion of the District Munsiffs Court House at Namakal	3595	G.O. No 2915 W d/ 5th November 1886	2514 1081 189 378	861	220	1081	189	1270	There will be a slight excess on this work.
14	Improvements to the Central Jail at Coimbatore Deduct cost of convict labor	5745 740 5005	G.O. No 1071 W d/ 28-4-86	4474	411	120	.	531	531	A sum of Rs 474 was applied for in the statement of incomplete works but it was not sanctioned being within Rs 500. The amount now applied for is required to complete the work
	C.O.								17367	

J. 3603

		B. forward							872		
West Coast	3	Alterations to the buildings in the Fort at Tellicherry to fit it for use as a sub collectors office	2710	G.O. No 2340 w d/ 31st August /87	1665	386	659	"	✓ 1045	✓ 1045	To complete this work as per revised estimate.
	4	Government House and all subsidiary buildings at Ootacamund	779150	Do No 2459 w d/ 3d Septr /83	682508	12200	84442	10,000	✓ 5000	✓ 15000	Vide G.O. No 2402 w of 6th September 1887.
	5	Constructing a combined Bench Magistrates Court and 3d class Police station, Kotagiri	8060	Do No 902 w d/ 15th April 1885.	5442	2165	453	✓ 2618	✓ 400	3018	There will be an excess of about 5 per cent owing to extra work found necessary.
Nilgiri	6	Widening and raising the clock Turret at Stone House Hill Ootacamund	✓ 930	G.O. No 2272 w d/ 24th August /87	"	"	"	"	✓ 930	✓ 930	Estimate just sanctioned Work will be commenced when the Govern't leaves Ooty.
	7	Renewing the Roof of the Clerks Offices on Stone House Hill Ootacamund	2250		"	"	"	"	× 2250	✓ 2250	Estimate countersigned by the Chief Engineer Estimate [illegible] for [illegible] when funds are available
	8	Forming steps to the Police huts at Devala	"		"	"	"	"	✓ 50	✓ 50	Estimate sanctioned
		C.O.							10547		

3001

3003
J

	B. forward								16,338	
	Nilgiri									
8	Improving water supply of that portion of City lying North of the Lake	170,000	G.O. No 1545 W d/18th June /86	110,085	13,800	46,115	60,000	10,000	50,000	Surrendered because there will be savings on some heads and it is unlikely that the system will be entirely completed by the close of the year.
9	Constructing a raised foot path from Charing Cross to the market City	1560	Dr No 321 W d/5th Feby 1887	189	750	621.	1371	150	1221	
10	Miscellaneous Public Improvements	409	〃	〃	215.	194	2,000	1000	1000	
	Total of the proposed surrenders								27,488	
	West Coast									
	Purchasing the land and existing buildings of Messrs Francis & Co and fitting them in good order to fit for use of Court house at Calicut	120,200‡	G.O. No 1553 W d/20th June 1884	103,913	1860.	14427	2788	400	3,188	‡Revised estimate has been submitted thro' the District Judge. The Extra grant of Rs 400 is needed to meet the liabilities incurred. Work stopped pending sanction to the revised estimate.
2	Converting into out-patients wards the Sweepers Quarters & constructing a compound wall at the Lunatic asylum Calicut	3573	G.O. No 2251 W d/22d August /87	2268	450	855	833	472	1,305	Required to complete the work
	C.O.								872	

104570
2836
107406

103913
2788
106701

833
472
3573

3583
16

IV Circle P. W. D

Statement showing the surrenders and demands under "Provincial"

Division	Item Nos	Name of works	Amount of Estimate	Number and date of sanction	Outlay: Outlay up to 1886-87	Outlay: Outlay in the current year up to 30th Septr/87	Balance of Estimate	Existing grant for 1887-88	Proposed Increase or Decrease	Revised or Proposed grant	Remarks
		[illegible] Buildings Original works Surrenders									
West Coast division	1	Constructing Public Offices at Ponnani	74,521	G. O. No 2597 W d/23d October/84	50,784	9184.	14,553	23,733	3,000	20,733	Savings on this work are antici-pated.
	2	Constructing Collector office, Calicut	"	Do No 1243 W d/7th May/87	10,000	107	10107	20,000	10,000	10,000	Surrendered as the Estimate has not yet been sanc-tioned
	3	Improvements to the District Munsiff's Court Betutnad	4295	Do No 2002 W d/28th August 1885	2000	1981	314	2295	314	1981	Completed with a saving.
	4	Constructing 12 new cells for Lunatics in the District Jail, Calicut	5820	Do No 926 W d/18th April 1885	"	"	"	3,200	2,200	1,000	Surrendered as the question of the site has not yet been settled, and the estimate will have to be revised
Nilgiri	5	Extending Organ chamber St Stephen's Church Ootacamund	3,680	Do No 3123 W d/24th Novr 1886.	2855	400	425	1025	400	625	Work completed
	6	Improving the roof of St Stephens Church Ootacamund	1469	Do No 1320 W d/14th May 1887.	.	1345	124	1469	124	1345	Work completed
		Mis: Public Improvements									
West coast	7	Completing the revetment for the protection of the town of Ponnani	4,280	G. O. No 2723 W d/16-10-86.	3295	600.	385	985	300	685	Completed with saving
		C. O							16,338		

From
Colonel J. Beatty. R.E.
Supdg: Engineer
4th Circle.

Dated 20th } October 1887
Received }

No. 420/RW

Statement showing
the surrenders and
demands under
"Provincial"

3003/20

II Circle P.W.D.

Statement showing the surrenders and demands under Excluded Local Funds.

Item No.	Division.	Name of works.	Amount of estimate	Number and date of Sanction	Outlay.		Balance of Estimate	Existing grant for 1887-88	Increase or Decrease Proposed.	Revised or proposed grant	Remarks.
					Up to end of March 1887	During the current year up to September					
		Surrenders Nil Appropriations. Repairs.									
1		Painting & repg: the light house & store room at Mangalore	522	G.O. No 4424 (Marine Dept) d/22-9-87	"	"	522	"	522	522	already provided in G.O. No 2866 dy 25th Octr 1887 - W
		Total of the proposed appropriations							522		

Supdg: Engineer's office IInd Circle
Coimbatore 20th October 1887

J. Beatty. Colonel R.E.
Superintending Engineer

3003/24

2402 w 6.9.87
2439 w 9.9.87
2459 w 3.9.83.
1915 w 9.7.83
2415 w 7.9.87
2464 w 13.9.87
2565 w 30.9.86
1340 w 29.5.87
551 w 2.3.56
2563 w 27.9.57
2272 w 24.8.87

PWC No. 843

3003

From

Colonel J Beatty R.E.
Supg: Engineer
4th Circle

Dated 20th }
Received 22 } October 1887

No. 421/8W

Statement showing the Surrenders and demands under "Excluded Local Funds."

B

Dw 3003/22

Proposed to alter para 4 of this dispr as shown in pencil

Ch
1.11.87

3003 W

Yes.

WW
1.11.87

3003/27

PUBLIC WORKS DEPARTMENT.

No. 3003 W

PROCEEDINGS OF THE MADRAS GOVERNMENT:

UNDER date the 9th Nov/87

READ the following

From the Supdt. Engineer IV Circle. H. E. No: 419 E. W. d/20th October 1887
——— Do ——— Do ——— H. E. No: 420 E. W. d/20th October 1887
——— Do ——— Do ——— H. E. No: 421 E. W. d/20th October 1887

The following sums surrendered under Provincial are resumed and credited to the reserve with the Govt. under that head:—

	Rs
1. Constructing public offices at Ponani	3000
2. Constructing Collector's office at Calicut	10,000
3. Improvements to the District Munsif's court at Betatnad	314
4. Constructing 12 new cells for lunatics in the District Jail at Calicut	2,200
5. Extending the Organ Chamber, St. Stephen's Church, Ootacamund	400
6. Improving the roof of St. Stephen's Church, Ootacamund —	124
7. Constructing the revetment for the protection of the town of Ponani	300
8. Improving the water supply of that portion of Ootacamund lying north of the lake —	10,000

9. Constructing a raised foot path from Charing Cross to the Market at Ootacamund	150
10. Miscellaneous Public Improvements, Repairs, Nilgiri Division	1,000
Total Rs.	27,488.

2. The following appropriations are made from the Provincial reserve:—

	Rs
(1) Law Courts at Calicut ——	400
(2) Converting into out patients' wards the sweepers' quarters and constructing a compound wall at the Lunatic Asylum, Calicut —	472
(3) Alterations to the buildings in the Fort at Tellicherry to fit it for use as a Sub-Collector's office	1,045
(4) Govt House Ootacamund ——	5,000
(5) Constructing a combined Bench Magistrate's court and third class police station at Kotagiri	400
(6) Widening and raising the clock turret at Stone House Hill Ootacamund —	930
(7) Forming steps to the police huts at Devala —	50
(8) Repairing the Curator's house in the Govt Gardens at Ootacamund —	2,805
(9) Civil Buildings, Minor Works, Nilgiri Division —	250
(10) Rebuilding a portion of the District Munsif's Court at Namakal	189

3 PW3/24

(11) Improvements to the Central Jail at Coimbatore —	531
(12) Civil Buildings, Repairs, West Coast Division	3,000
(13) —— Do —— Do. Coimbatore Dn	1,500
(14) Tools and Plant, Nilgiri Dn —	6,000
(15) —— Do ——, West Coast Dn —	1,300
Total Rs	23,872.

3. Allotments have not been made for the new works detailed in the margin,* the funds at the disposal of the Govt. to meet other emergent demands being limited.

	Rs
*Renewing the roof of the Clerk's office, Stone House Hill, Ootacamund	2,250
Improvements to the Police Station and Inspector's quarters at Wellington —	1,200
Improvements to the police station and huts at Coonoor ——	1,845

~~4. The question of providing the additional funds required for the Calicut-Vayitri road will be considered on receipt of the special report referred to by the Supty. Engineer~~

4. The special report on the Calicut-Vayitri road has been received, & will be ~~disposf~~ disposed of separately.

5. No funds have been allotted for the Vayitri-Gudalur road pending receipt of a revised estimate for the Shokadi bridge which the Supty. Engineer states will soon be submitted.

6. As there is no reserve with the Govt under Postal minor works, the Supty. Engineer will apply to the Director General of Post Offices for funds required under that head.

7. The additional allotment of Rs.

Rs. 267 required for the West Coast Division under Postal Repairs is appropriated from the reserve with the Govt. under that head.

8. A sum of Rs 522 has already been appropriated for painting and repairing the light house and store room at Mangalore in G. O. No 2866 W dated 25th October 1887

27.10.87

To

The Supdg. Engr. IV Circle
" Examiner of P. W. Acts
" Judicial Department
" Revenue Department
" Ecclesiastical Department
" Financial Department
" Public Department

27/10

84 3/8 lo

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated Pisd from

Recd.   Pud.

G.O., 9 Nov. 1887. No. 3003 W

Funds

Orders on application from the Supdg. Engr. IV Circle for certain modifications of ~~the~~ allotments under Provincial, Imperial civil works, & Excluded Local funds.

X10

120/12

J.A. 16/11

Ex 10/11