(1) பக்கங்களின் எண்ணிக்கை 52.

(2) புதுக்கித் திருப்பிய நாள் 7/89

(3) ஆதாரங்குறிப்பவர் கருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

(81)

PWD துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 1916

அச்சகம்
பலவகை

நாள் : 17.7.1989

1989.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

25 sheets

ஆவண. கா-1—18,000—15-6-87.

1916

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Colonel H. M. VIBART, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 22nd June 1889, No. 276 E.W.

I have the honor to forward, for sanction of Government, a plan and estimate, amounting to Rs. 10,000, for providing iron girders on the existing sound masonry piers and abutments of the Sígúr bridge on the road from Ootacamund to Mysore in the Nílgiri district, together with a report, specification, and the extract from the proceedings of the District Board.

2. The waterway through the bridge from the highest water-mark to the bottom of the two centre girders has now been shown in this office as 5 feet.

3. Rupees 6,390 have been provided in the current year's budget for the work. It is expected that the bridge will be completed early in the ensuing official year.

4. The required iron works it is proposed to obtain from Messrs. Richardson and Cruddas, Bombay.

Note by the Chief Engineer, General Buildings and Roads Branch.

The sections of the main plate girders should be fastened with rivets, and not be merely bolted together. The centre longitudinal teak joist might with advantage be replaced by an iron joist ; and the bed plates for the rolled beams should be of stone in preference to wood.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
9th July 1889. Ag. Chief Engineer, P.W.D.

ORDER—dated 17th July 1889, No. 1916 W., Public Works.

The estimate, amounting to Rs. 10,000, for the reconstruction of the Sígúr bridge in the Nílgiri district, is sanctioned.

2. Attention is drawn to the Note by the Chief Engineer above recorded.

3. This sanction has been registered as Local No. 14 W. of 1889-90.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Local and Municipal Department,
with four enclosures.

Exd. P. L. Pereira.
6pare Copies

181

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated July, 17th.

Recd. *Encl*

G.O., 17th July 1889, No. 1916 W.

JULY.

Sigur bridge, Nilgiri district

Estimate for reconstruction of the —, sanctioned.

1916

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following papers :—

From L. R. BURROWS, Esq., President, District Board, Nílgiris, to the Chief Secretary to Government, Local and Municipal Department, dated Ootacamund, 11th January 1889, No. 1012.

I have the honor to submit the revised estimate of the District Board for 1888-89 and the budget estimate for 1889-90, with the prescribed statements stitched into the form of a book. The report was prepared by a sub-committee, and approved and passed by the District Board at the meeting held on 21st November 1888, and a copy of the resolution is herewith forwarded.

A few alterations have since been made in accordance with G.O., No. 2228 L., dated 27th November 1888, received on the 7th December.

The pay of the inspecting schoolmaster has been raised from Rs. 40, as originally fixed by the Board, to Rs. 50 per mensem under recommendation of the Director of Public Instruction, conveyed in his letter No. 9217, dated 8th December 1888.

The sanction of the Board for this arrangement will be obtained at the next meeting, which will take place on the 23rd January 1889, and the resolution submitted to Government. In other respects the report is as passed by the Board.

REVISED ESTIMATE FOR 1888-89.

2. *A. Revenue and Receipts—Opening Balance.*—This amount is now entered as Rs. 14,071, against Rs. 8,150 revised figure ; increase Rs. 5,921.

This sum of Rs. 14,071 is the figure (including debt heads) advised by the Accountant-General as the closing balance of 1887-88, and thus has been adopted as the opening balance for the revised estimate of 1888-89.

The increase is due to a small improvement in receipts of Rs. 155, and to a less expenditure under Grants I, III and IV.

In Grant I, the savings amounted to Rs. 4,591, having accrued chiefly under New Works and Repairs, and in Grant III, Rs. 761 under Hospital diets, Supplies, &c., and in Grant IV, Rs. 760 under Controlling establishment and Printing charges, &c.

All these amounted to Rs. 6,325, inclusive of Rs. 58, debt heads. Deducting from this the excess expenditure of Rs. 404 under Grant II, the savings mount up to Rs. 5,921 as given above.

3. (1) *Rates and Taxes*—(*a*) *Cess on Land.*—Rs. 8,000 as provided in budget, as no variation is expected.

4. (*b*) *Tolls.*—Rs. 40,347 against Rs. 38,600, budget provision ; increase Rs. 1,747.

The figure now entered is, with the exception of Rs. 103, the amount that has been realized by the sale of the tolls. The right of collection was leased out, tenders having been invited and the highest accepted. The difference Rs. 103 is accounted for as follows :—

	Rs.
Toll payment left as a deposit in treasury during 1887-88 and unadjusted —*Vide* para. 17 of Local Fund Report	50
Portion of arrears due by Masnigudi toll-contractor for 1885-86, recovered	50
Balance of arrears due by Barliyár toll-contractor for 1885-86, recovered.	3

5. (2) *Education*—(*a*) *School-fees, Rs.* 20.—Under this head there are no differences between the budget figures and the revised estimate.

6. *Medical.*—There are no variations from the original budget figures in the revised estimate.

7. (5) *Miscellaneous*—(*b*) *Choultry Rent.*—

	RS.
Budget amount	60
Revised estimate	120

The excess Rs. 60 is the amount due for the previous year which was not paid in in time to be included in accounts, and thus has been brought into receipts of 1888-89—*vide* paragraph 36, Local Fund Report for 1887-88.

8. (*c*) *Market Rents.*—

	RS.
Budget	60
Revised estimate	30
Decrease	30

The receipts during the first six months have amounted to Rs. 13 only, thus nothing larger than the sum now entered can be looked for. Kótagiri is the only place where the Board have a market; and here there is no special building, but the chattram is made to answer both purposes. Of late the bazaarmen and other inhabitants of the town have opened their verandahs and pyals to traders and vendors on market days, and thus the greater part of business is transacted here, and there is little or no resort to the market.

9. (*d*) *Bungalow Fees.*—

	RS.
Budget	600
Revised estimate	1,000
Increase	400

The receipts during first six months having amounted to Rs. 568, there is every reason to expect the revised figure now entered will be realised. Eight bungalows are maintained this year and fees collected at them, in place of seven bungalows during previous year.

10. (*e*) *Fees and Fines.*—

	RS.
Budget	80
Revised estimate	100

These are collections realized under the Police Act, sanctioned in G.O., dated 3rd July 1883, No. 1368. The receipts during the first half-year have amounted to Rs. 66, and thus afford grounds for the alteration made.

11. (*i*) *Rents and Produce of Lands.*—

	RS.
Budget	*Nil*
Revised estimate	3

This small sum is the rental obtained for a plot of land leased out for a cart-stand in the sixth mile, Kótagiri-Mettupálaiyam ghât road. The land adjoins the road and is part of its reserve. The opening of such cart-stands is a great convenience to the public, and the Board mean to encourage the movement along all main roads.

12. (*l*) *Sundry Receipts.*—

	RS.
Budget	*Nil.*
Revised estimate	110

The details of these receipts are as follows:—

	RS.	A.	P.
Manure sale—Gúdalúr cart-stand	102	0	0
Sales of febrifuge	4	9	6
Refund of expenditure	3	0	0
Sale of old packing cases	0	7	0
Total	110	0	6

No credit under this head was provided in budget, as it appeared uncertain whether the demand for manure at Gúdalúr would continue. For some time past the article was perfectly unsaleable, and last year was the first time any price was realized.

13. (6) *Public Works*—(*c*) *Sale of old materials.*—

	RS.
Budget	50
Revised estimate	72

This last amount has been actually realized by sales to date. A lot of old materials, &c., lying in the Engineer's yard were disposed of, and no further sales during the year are expected.

14. (7) *Contributions from Provincial Funds.*—No changes.

15. *B.—Expenditure.—Grant I, Public Works*—(*a*) *New Works*—(1) *Communications.*—

	RS.
Budget figure	31,000
Revised estimate	33,922
Increase	2,922

The increase is simply the lapse of the previous year's budget sanctioned and reallotted for expenditure this year.

The details are —

	RS.
Metalling Kótagiri ghât	222
Do. and gravelling Gúdalúr-Sultan's Battery road	2,700

Full explanations regarding these are afforded in paragraphs 56 to 59 of the District Local Fund report for 1887-88, reviewed in G.O. of 28th September 1888, No. 1795 L., and the reallotments were sanctioned in G.O. of 21st May 1888, No. 956 L.

16. (2) *Civil Buildings.*—

	RS.
Budget item	2,000
Revised estimate	3,997
Increase	1,997

The increase is made up of the following items:—

	RS.
Lapse of previous year's budget sanctioned and reallotted for expenditure	998
Amount sanctioned for enlargement of Yeddapalli school-house	700
Iron roof, Kótagiri hospital	300
Total	1,998

The lapse of Rs. 998 was on account of the Masnigudi chattram—*vide* explanations given in Local Fund report, quoted above paragraph 68, and the reallotment was sanctioned in G.O., dated 21st May 1888, No. 956 L. The school-house at Yeddapalli was found wanting in accommodation, owing to the increase of pupils and

at the very urgent solicitation of the Inspector, the District Board arranged to carry out the enlargement at once. The sanction of the estimate was accorded in G.O. of 30th July 1888, No. 1390.

For the Kótagiri hospital, the provision of tiling over the iron roof has been made in obedience to the instructions of Government as contained in paragraph 11 of G.O., dated 14th September 1887, No. 1744 L., reviewing the Nílgiri Local Fund report for 1886-87.

The medical authorities complained that the sound of the rain on the iron roof was most distressing to patients, and required a covering of tiles; and Government directed compliance with this request.

17. (*b*) *Repairs*—(1) *Communications.*—

	Rs.
Budget provision	48,630
Revised estimate	48,849
Increase	219

This small sum was sanctioned by the Board from reserve for the Kundah road, to meet certain unexpected charges made by the Revenue Survey Department for surveying and demarcating the lands taken up at the opening of the road.

18. (*f*) *Contributions to* (1) *Provincial Funds.*—

	Rs.
Budget	10,200
Revised estimate	10,751

The sum of Rs. 10,294 is the Government share (one-third) of the tolls collected on the Kullar-Gúdalúr road, and the remainder Rs. 457 is the balance due to Government on this account in 1887-88, which by an inadvertence was left unpaid (*vide* paragraph 84, Local Fund report).

19. *Grant II—Education.*—No deviations from the original budget figures are found necessary except under item (*a*) Inspection, where Rs. 150 is now provided, against nothing in budget for 1888-89.

Under the reorganization of the educational inspectorate, the appointment of a Special Deputy Inspector for this district has been abolished, and the Board has to revert to the old system that obtained two years ago, and maintain an inspecting schoolmaster.

The details for the provision made are as follows:—

	Rs.
Pay for January and February 1889, at Rs. 50 a month	100
Average amount of travelling allowance, at Rs. 15 a month	30
Contingencies, Postal charges, &c.	20
Total	150

No provision has been made for the month of March 1889, as the charges of that month will appear in the next official year's accounts.

20. *Grant III—Medical Services, Vaccination, Sanitation, &c.*,— (*g*) *Contributions to* (1) *Provincial Services*—(1) *Medical and Surgical Apparatus.*—

	Rs.
Budget	750
Revised estimate	1,500

The charges for the first half-year are Rs. 510 for medicines supplied during 1887-88.

Indents for the supplies needed for 1888-89 have been submitted to the Surgeon-General, and the cost of these, as advised by the Surgeon-General, amounts to Rs. 985. The provision has accordingly been raised to Rs. 1,495, or Rs. 1,500 in round numbers.

(2) *Medical College*—(3) *Sanitary Inspection*—(4) *Medical Reserve Staff.*—A re-distribution of amounts as shown below has been suggested by the actuals of the previous year, but the total charge remains the same.

The alterations are —

	Budget provision, 1888-89. Rs.	Revised estimate, 1888-89. Rs.
(2) Medical College	..	200
(3) Sanitary Inspection	200	150
(4) Medical Reserve Staff	200	50
Total	400	400

21. (6) *Lunatics.*—

	Rs.
Budget	20
Revised estimate	200

The charges under this head have heretofore been trifling, but during the year two lunatics, belonging to the district, had to be apprehended and sent to the asylum at Madras, and the charges for their maintenance have averaged Rs. 22 per mensem. This rate for 9 months gives the increased amount now entered. Another has recently been sent to the asylum at Calicut for want of accommodation at the Madras asylum. The sum of Rs. 200 now provided in the revised estimate is found to be necessary having regard to the actual transactions up to November 1888, which amounted to Rs. 100.

22. *Grant IV—Miscellaneous—Controlling Establishment at the Presidency.*—Rs. 550 revised estimate against Rs. 1,100 budget amount. The decrease is made in accordance with the figures advised by the Accountant-General for 1887-88.

23. (*d*) *Contingencies*—(2)*Postal Charges*—

	Rs.
Budget	150
Revised estimate	80

The expenditure for first half-year being only Rs. 30, the provision now made will be sufficient.

24. (5) *Travelling Allowance to Office Establishment.*—

	Rs.
Budget	*Nil*
Revised estimate.	20

No provision was made as no charges were incurred heretofore, but as the Local Fund clerk has had to travel recently on duty with the President, this small amount is entered.

25. (*e*) *Pensions.*—

	Rs.
Budget	90
Revised	140

A new clerk has been appointed, since 4th May 1888, in place of the man convicted of embezzlement. This new clerk being in Government service a contribution on account of pensionary allowance has to be paid, and mounts up to the enhanced figure now entered.

26. (*h*) *Miscellaneous*—

	Rs.
Budget	300
Revised estimate	440

The outlay during the first six months has been Rs. 236, of which Rs. 213 are for law suits and Rs. 23 for sundries, such as peons' clothing (Rs. 16) and subscriptions to Educational Journal, &c.

The former charges are for appeal suit—Shumshudeen *versus* District Board—Rs. 163, and prosecution of Local Fund clerk Gopal Singh—Rs. 50.

A suit for the recovery of tollage dues, amounting to Rupees 218, has been instituted with the sanction of Government against the contractor for 1885-86 of the Masnigudi toll-gate (*vide* G.O., Mis. No. 1430 L., dated 6th August 1888); and further expenses will probably have to be incurred in the ejection of a man who has encroached upon the road reserve at Nellacottah, and so far has defied the Board's endeavors to recover their property.

To meet these anticipated expenses the provision has been raised to Rs. 440.

CONSOLIDATED BUDGET FOR 1889-90.

27. *A. Revenue and Receipts—Opening Balance.*—This (shown in the revised estimate as the closing balance for 1888-89) is Rs. 8,143.

28. (1) *Rates and Taxes*—(*a*) *Cess on Land, Rs.* 8,000.—This figure is the same as in last and previous years, there being no reason to expect any alterations.

29. (*b*) *Toils* (*under Act V of* 1884), *Rs.* 40,000.—This sum is a trifle under the amount realised during the previous year.

30. *II. Education*—(*a*) *School-fees.*—Rs. 40, against Rs. 20 in previous budget. This increase is made, as the two schools at Kairbetta and Sullikodu have been transferred from the "combined system" to "salary result." The Board paid the full salaries of the masters but did not collect any fees, leaving these to go towards house-rent, books and other contingent expenses. This arrangement for a combined school, however, is not in conformity with the requirements of the Educational Code, and the Director of Public Instruction has pointed this out and required the alterations now made. Under "Salary Result" the pay of the masters and all charges will be defrayed by the Board, and all fees will be collected by them.

31. (*b*) *Contributions*—(1) *From Municipalities, Rs.* 240.—This is for the inspection agency. Under the reorganization of the educational inspectorate, the post of Deputy Inspector for this district has been abolished, and in place of a Government paid official, the District Board and the Municipalities are to maintain an inspecting schoolmaster at their own cost. This is simply a reversion to the system that obtained about two years ago. The Municipalities of Ootacamund and Coonoor have thus to contribute a fourth of the cost.

32. (3) *Medical*—(*b*) *Sales of Medicines, Rs.* 250.—This is a small increase of Rs. 50 over previous budget, and is warranted by the actuals of 1887-88.

33. (*c*) *Contributions*—(1) *From Municipalities.*—Rs. 120, against nothing in previous budget. This is two-fifths of the expenditure of Rs. 300 provided in the budget for 1889-90 on account of animal vaccination against vaccination contingencies which the Coonoor and Ootacamund Municipalities have agreed to pay.

34. (3) *From Private Individuals, Rs.* 1,530.—The same as in revised estimate of 1888-89, being subscriptions to hospitals and dispensaries.

35. (5) *Miscellaneous.*—

	Budget, 1889-90.	Budget, 1888-89.	Revised estimate, 1888-89.
	RS.	RS.	RS.
(*b*) Choultry rents	60	60	120
(*c*) Market rent	30	60	30
(*d*) Bungalow fees	1,000	600	1,000
(*e*) Fees and fines	100	80	100
(*i*) Rents and produce of land	3	..	3
(*l*) Sundry receipts	100	..	110

The above figures correspond almost exactly with the revised estimate of 1888-89. In item (*b*) choultries, the revised figure includes the collection for the previous year, and is thus double the actual annual collection.

36. (6) *Public Works*—(*c*) *Sale of old materials, Rs.* 50—(*d*) *Contributions.*—

	RS.
1. From Municipalities	100
2. From other District Funds	520

1916

These figures are the same as in last budget. Information regarding the amounts received as contribution is furnished in the budget for 1888-89—G.O., No. 202 L., dated 24th January 1888.

37. (7) *Contribution from Provincial Funds*—(*a*) *Education, Rs.* 990.—This sum is Rs. 110 in excess of previous budget.

The details of the proposed expenditure are as follows:—

(*b*) *Normal Schools*—

	RS.
(1) Salaries of masters—	
Half-cost—two masters at Rs. 65 or 780 per annum	390
(2) Stipends of students—	
Half-cost—expenditure—10 students, at Rs. 7 per month, or Rs. 840 per annum	420
(4) Miscellaneous—	
Half-cost—books, Rs. 100	50

(*d*) *Elementary schools*—

(1) Salaries of Masters—	
Half-grant—one master at Rs. 15 per month, or Rs. 180 per annum	90
(3) Miscellaneous—	
Half-cost—books and furniture, Rs. 70	35
Total ..	985

or in round numbers Rs. 990. Hitherto no grants were claimed for the teacher of the Kil-Kótagiri School, but as it appears from the Deputy Inspector's report that the Board is entitled to half Provincial grants on the salary of the teacher as the school is an upper primary grade, provision is made accordingly.

38. (*b*) *General Purposes.*—Rs. 15,296 against Rs. 13,430 in previous year. The Board's own income under this head is Rs. 7,619 in the present budget, while the expenditure that has to be incurred is Rs. 22,915, thus leaving a deficit of Rs. 15,296, to meet which the Government contribution is needed. The only explanation that can be furnished regarding the necessity for this grant is that given years ago and since annually repeated, namely, that in this district this fund is permanently unable to meet expenditure from receipts, and that thus the liberal aid of Government has always been accorded.

The contributions during the past four years have been as follows:—

	RS.
1885-86	12,000
1886-87	12,000
1887-88	19,620
1888-89	13,430

A detailed statement of the general purpose account is subjoined:—

Assets.

	RS.
Cess on land (one-third total Rs. 8,000)	2,666
Education, fees and Municipal contributions	280
Medical—	
Sale of medicines	250
Municipal contributions	120
Private contributions	1,530
Choultries, bungalow fees and market rents, &c.	1,193
Sundries	100
Provincial contributions—	
Education	990
Choultries	490
Total ..	7,619

Expenditure.

		RS.
In Grant I, Public Works—		
New Works—		
Civil Buildings		1,800
Miscellaneous public improvements		1,000
Repairs—		
Civil buildings		1,880
Establishment, supervision cost 20 per cent. on expenditure		940
Tools and plant, 1·79 per cent		85
	Total	5,705
In Grant II—Education—		
The whole amount		6,220
In Grant III—Medical—		
The whole amount		9,790
In Grant IV—Miscellaneous—		
One-seventh total cost		690
Reserve, one-tenth total		410
Balance, one-twentieth total		100
	Total	22,915
	Deduct Assets	7,619
Balance required to meet expenditure		15,296

39. (*c*) *Public Works.*—Rs. 86,022 against Rs. 65,520, grant for previous year. A statement similar to that furnished in the preceding paragraph for general purposes is appended and affords full information regarding the financial position of this fund :—

Assets.

	RS.
Balance	8,143
Land-cess, two-thirds	5,334
Tolls	40,000
Sale of old materials	50
Municipal and other District Board contributions	620
Total, Assets	54,147

Expenditure.

Grant I—	
New Works—	
Communications	43,800
Repairs—	
Communications	58,180
Establishment—	
Public Works charges	600
Local Fund Engineering (Rs. 16,620—940)	15,680
Tools and Plant (Rs. 1,500—85)	1,415
Contingencies	520
Contribution to Government on account of tolls	10,200
Total, Grant I	1,30,395
Grant IV—	
Six-sevenths total cost	4,140
Reserve (nine-tenths)	3,686
Balance (nineteen-twentieths)	1,948
	9,774
Total expenditure	1,40,169
Deduct assets	54,147
Balance required to meet expenditure	86,022

The Provincial contributions for public works have been as follows during the past five years :—

	RS.
1884-85	62,500
1885-86	72,000
1886-87	62,000
1887-88	64,380
1888-89	65,520

Under the head of expenditure further on a descriptive account of the works entered in the budget is given, and the need or necessity for each fully explained.

40. (*d*) *Choultries.*—Rs. 490 as in previous budget.

41. *Total Receipts.*—This amounted to Rs. 1,63,084 against Rs. 1,38,290 in last budget and Rs. 1,46,561 revised total.

42. *B. Expenditure—Grant I, Public Works—(a) New Works—(1) Communications.*—Provision Rs. 43,800 against Rs. 31,000 in budget of 1888-89 and Rs. 33,922, revised estimate.

The works proposed are—

(1) *Metalling Gudalur-Sultan's Battery Road, Rs.* 10,000.—This road is one of the most important in South-East Wynaad, and from Gúdalúr to Nellacottah or 1st to 11th mile runs almost entirely through cinchona and coffee cultivation. The traffic has increased very largely during the past two or three years, and is now very considerable ; and carts have almost entirely taken the place of the pack-cattle that were the sole means of transport a few years back. The road is one simply cut or formed in the natural soil and is not provided with any made surface of hard material. The natural soil is a soft porous loam that absorbs moisture like a sponge, and is utterly unable, in this condition, to stand the strain of traffic. Thus, during the monsoons which prevail heavily from May to December, the whole road becomes one mass of heavy mud from end to end, utterly impassable for wheeled traffic, and scarcely passable for even pack-bullocks or horses.

In the budget of 1886-87, a provision of Rs. 10,000 was sanctioned, and 5 miles out of the eleven have been metalled 4 yards wide and 4 inches deep. Owing, however, to the soft bad soil this depth has scarcely proved sufficient, and it will be necessary to increase it to 6 inches in the new works proposed. The cost of metalling 6 inches deep will be about Rs. 3,000 per mile, and thus for the remaining 6 miles about Rs. 18,000 will be needed. It is proposed to carry out the work to the extent of Rs. 10,000 during the ensuing year, and leave the remainder of the road for future consideration. For this sum about $3\frac{1}{3}$ miles can be metalled, and if the proposal is sanctioned, the furlongs most in need of such work will be selected for metalling.

(2) *Opening Ootacamund-Anikorai Road, Rs.* 5,000.—Anikorai is a large village, about 4 miles to the North-East of Ootacamund, and is surrounded by no less than 20 other villages or hamlets within distances varying from half to two miles. In the adjacent valleys opening northwards into the Maisur plateau there are also several plantations of coffee and cinchona which have recently been opened. A petition signed by about 100 Badagas and others belonging to the villages in the locality praying for the opening of a cart-road was presented to the Board about the beginning of the year, and after full inquiry and investigation into the matter the proposal was warmly advocated by the Collector and recommended to the Board.

At present this north-east section of the district is quite unopened and has not a single cart-road.

The present proposal is to make a cart-road from Snowdon road, Ootacamund, to Anikorai, a distance of 4 miles. This road can, if found desirable, be extended at any future period to Hebbanad, or in any other direction.

In its first mile the new road will have to run through some 20 acres of private land, partly bluegum plantations and partly Badaga dry cultivation, and a small amount of compensation (about Rupees 500 perhaps) may have to be paid. Some rocky land is also traversed, where blasting will be pretty heavy. Thus an amount of Rs. 5,000 is entered for the work.

(3) *Improvement, Ootacamund-Maisur Road, Rs.* 5,000.—This road is one of the four main communications between the Nílgiri plateau and the surrounding plains, and all the traffic between Maisur and the hills is borne along it. The road, which is 23 miles in length, may be said to consist of 3 sections—the first comprising 5 miles on the plateau ; the second, the descent of 7 miles into the plains, or the Sígúr ghât ; and the third, the 14 miles between Sígúr-Teppacadu and the Mysore boundary.

The first two sections—1st to 12th miles—are in fair condition, and can be maintained with the annual up-keep allowance, but the eleven miles between Sígúr and Teppacadu are completely out of order and urgently need special attention.

This section traverses in a succession of rises and falls a very undulating country, subject to heavy bursts of both south-west and north-east monsoons. For the road no proper drainage arrangements have ever been made, only side drains and lead-offs are provided, and the road itself has been worn down and sunk below the level of the adjoining ground. It is thus impossible to drain or maintain it in order. The side drains for want of proper outlets silt up as fast as they are cleared, and a very heavy fall of rain sends a flood tearing down the road, sweeping away all repairs that had been made. Deep catch-drains, raising and sectioning of road, and the gravelling of such formations, are therefore urgently needed, and such work would cost about Rs. 1,000 per mile. Thus for the provision entered, about 5 miles out of the eleven would be thoroughly done up ; and as the worst furlongs would be selected for work, there would be a great improvement in the general condition of the road.

(4) *Reconstruction, Sígúr Bridge, Rs.* 13,000.—This bridge spans the Sígúr river, and is in the 13th mile of the Ootacamund-Mysore road.

The bridge is a timber truss over masonry piers, and consists of 4 bays, the two central 35 feet span each, and the outer 20 feet. The wood-work, which is about 25 years old, has begun to decay, and during the past year the structure has exhibited signs of instability and weakness, and had to be shored up with temporary props. The river is a deep and rapid stream that cannot be crossed by a ford, and thus the early reconstruction of the bridge is absolutely necessary.

If the bridge is reconstructed as before, the cost will be Rs. 5,000. The Board, however, prefer an iron bridge, to cost about Rs. 13,000, as more economical in the end than a wooden one, and provision is made accordingly.

(5) *Reconstruction of Bridge, 5th mile, Mysore-Karkur Ghât Road, Rs.* 2,000.—This is a timber bridge of 24 feet span over a small but deep stream that runs into the Moyar some 50 yards below the road. The structure was put up about 25 years ago, and the whole wood-work is now in an advanced stage of decay and needs renewal.

The road has constant and heavy traffic upon it, and the reconstruction of the bridge is thus urgently necessary.

(6) *Completion widening Kótagiri Ghât, Rs.* 2,000.—This ghât, which is 18 miles in length, has been widened out during the past four years to 13 feet at rock, and 18 feet elsewhere ; but there are still some bits in 14th, 15th and 16th miles, where the scarp is all solid rock, and the widening to 13 feet clear has not been quite completed.

An estimate that has been prepared shows that Rs. 2,000 are required to complete the work, and provision for this sum is accordingly now made. The ghât is a main road with a considerable and constant amount of traffic upon it, and is the only outlet for the whole north-eastern section of the district.

(7) *Improvement, Ootacamund-Kullakamby Road, Rs.* 5,000.—This is a cart-road, 17 miles in length, that is simply formed in the natural soil of the ground traversed, and unprovided, except in a few places where such work has been carried out from maintenance, with any made surface of metal or gravel.

The first 8 miles between Ootacamund and Devashola pass over tolerably good soil, and are in fair order ; but in the 9 miles between Devashola and Kullakamby, the soil is all of a bad, soft, loamy nature. This is particularly the case in the last 5 miles, much of which length is through shola land, where the fall of leaves from the trees and the incessant drip keep drainage choked and roadway constantly wet. This

1916.

section is, moreover, only 8 feet wide, and thus traffic is all confined to one track, with the result that deep wheel-ruts are worn, making the road very unpleasant, and even dangerous in bad weather. There is a heavy amount of wheeled traffic over these last five miles, as there are extensive European plantations about Tai Mulla, Mailur, Munjacumbay, &c., and supplies are obtained and produce exported *viâ* Kullakamby.

The north-east monsoon prevails heavily about this part of the district, and it is just at this season—when in consequence of the rain and its soft, yielding soil, the road is least able to stand the strain of traffic—that the traffic is heaviest. Thus when most needed the road is in its worst plight, and so deep in mud as to become positively impassable for carts without the aid of additional bullocks. This is found a grave inconvenience, and frequent complaints about the matter are received by the Board.

It is proposed to deal with the section between 12th and 17th miles, widening road to 11 or 12 feet, and coating the worst portions with 4 inches of metal or gravel.

For the amount provided, about 3 miles can be thus improved, and this length would comprise all the worst bits in the section.

(8) *Improvement, Ootacamund-Avalanchee Road, 2 miles, Rs.* 1,000.—This bit of road is between Ootacamund and the place known as Fair Lawns, which is very much resorted to as a pleasure ground by the Ootacamund public. It also intervenes between the termination of the Grant Duff road and Ootacamnnd. The Grant Duff road is a good carriage road and extensively used, but the two miles of the Avalanchee road, being only a third-rate cart-road and neither metalled nor gravelled, are narrow, and always heavy in mud and slush during wet weather.

It is proposed to widen out and gravel this bit of road, and thus bring it into the same condition as the Grant Duff road.

This will complete as a good carriage road the favourite suburban drive that starts from the Coonoor road at Craigmore, runs by Lovedale, the St. Lawrence Lake, and Fair Lawns, and re-enters Ootacamund by the Avalanchee road at Fern Hill.

(9) *Store-shed, Gúdalúr, Rs.* 800.—Gúdalúr is the head-quarters of the Wynaad sub-division, and a large amount of tools and stores have always to be kept there.

The three other sub-divisions of the district have proper store-sheds, but here the only accommodation to date is a thatched shed that has to be renewed nearly every year. The place abounds with white ants and other insect life, and thus any shed of a temporary nature is never safe, and with the best care is very perishable. Two years ago, the shed was blown down in the midst of the monsoons and very serious inconvenience caused.

It is proposed to erect a permanent building with brick walls, good timber, and an iron roof.

43. (2) *Civil Buildings, Rs.* 1,800—(1) *Masnagudi Bungalow Stablings, Rs.* 800.—The bungalow has no stablings, and as the place is very much frequented, this want of accommodation for travellers' horses is found a great inconvenience.

There are a large number of travellers between Ootacamund and Mysore who use the bungalow ; and horses are always being forwarded to and fro. At present the collections in bungalow fees exceed maintenance cost, and stable fees are certain to add materially to the collection.

The stables will consist of two stalls, and, as the place is infested with white ants, will be built of brick in chunam, with good timber for the roof, and a corrugated iron and tile covering.

(2) *Improvement, Apothecary's Quarters, Devála, Rs.* 1,000.—This building is scarcely habitable at present, and has no out-houses whatever. The apothecary in consequence has to reside as a temporary arrangement in a portion of the hospital. The house, which is in an open, exposed situation, has a leaky roof, and the sides being quite open and unprotected, the monsoons beat up against the walls and render the place damp and unwholesome. It is proposed to repair the whole roof thoroughly, and to erect light verandahs on either side for the protection of the walls, and to shelter the rooms. For out-houses, a small kitchen and godown will be provided.

X 7

44. (3) *Miscellaneous Public Improvements, Rs.* 1,000.—Up to date the Board has spent nothing in providing avenues for the roads, but as there are many foot passengers, and it is admitted that the sun is very powerful on the plateau, it seems advisable to make some provision for public convenience and safety in this way; avenues also, no doubt, break the force of storms, and thus sometimes prevent occasional loss of life in the monsoons.

45. (*b*) *Repairs*—(1) *Communications.*—The sum of Rs. 58,180 is provided, against Rs. 48,630, budget of last year, and Rs. 48,849, revised estimate.

The large excess over the previous budget is accounted for as follows:—

	Rs.
(1) Opening, &c., of new roads	1,700
(2) Do. of additional bridle roads	500
(3) Increased maintenance provision	7,350
Total ..	9,550

Item (1)—The new roads for which maintenance provision is now made are—

	Rs.
The Connemara Road, 4 miles, at Rs. 150	600
Ootacamund-Sholur Road, 6 miles, at Rs. 150	900
Minor roads—Nellakóta-Devála Hospital Road, 2 miles, at Rs. 100 ..	200

The Connemara road has been opened out during 1888-89, and has to be maintained as a good carriage road.

The Ootacamund-Sholur road is at present a private road, maintained by planters, but as it is also used by the public, the District Board have been asked to take it over, and, after investigation into the matter, have decided to do so. Sholur is a large Badaga village situated, with about a dozen other villages or hamlets, in a wide, fertile tract that lies along the western edge of the plateau, and is bounded by the Ootacamund-Pykara road on one side, and the Ootacamund-Maisur road on the other. There is a good deal of cultivation in this tract itself, and, besides, the people carry on extensive cultivation in the plains at the foot of the slopes below, and all this produce is brought up and sent into Ootacamund. There are also two large European plantations of tea and cinchona, and a third is being opened.

The cart track under reference is the only road that opens into this tract, and the Board therefore deem it very desirable that it be taken over and maintained as a public communication. After a couple of years, when requisite improvements have been completed, the maintenance can be reduced to Rs. 600.

Minor Roads—Nellakóta Hospital Road.—This is one of the old roads opened by the Gold Mining Companies, but now abandoned. Till recently, it was in sufficiently good order for use, but is now blocked with slips of earth and rock and quite impassable. It branches off in the seventh mile of the Nellakóta-Devála road and leads straight to the Devála hospital, while the other main road goes on to Devála town four miles off, whence another road of two miles leads to the hospital.

The present branch thus saves four miles, and the numerous planters of the Nellakóta district, who all aid to maintain the hospital, contend that they have a right to a direct road to it. This claim having been supported by the majority of members, the Board have arranged to take up the road.

Item (2)—*Additional Bridle Roads, Rs.* 500.—The bridle paths are the village roads of the district, and are very necessary for general purposes of communication and traffic, as well as for the control and administration of the district. There are still portions of country left entirely without roads and quite inaccessible. Last year (1888-89), 38 miles of new paths were made, thus making the total length of paths maintained 132 miles. With the additional sum now entered (Rs. 500), the

Additional paths proposed—	
Kina Karai	6 miles.
Sholur Bockapur	3 „
China Coonoor	2 „
Future proposals	About 9 miles.

Board will be enabled to open out 20 miles more, and this, it is believed, will complete the requirements of the district, at any rate for some years to come.

Item (3)—*Increased Maintenance Provision.*—The following are the two cases in which an increase, having been found necessary, is proposed:—

Mettupálaiyam-Kótagiri Ghât Road (Budget Item 1).

	Rs.
From 18 miles at Rs. 200	3,600
To 18 miles at „ 400	7,200

Maisur-Gúdalúr-Karkúr Ghât Road (Budget Item 4).

	Rs.
From 25 miles at Rs. 350	8,750
To 25 miles at „ 500	12,500

(*a*) *The Mettupálaiyam-Kótagiri Ghât Road*—has been metalled for the greater part of its length during the past four years and has now to be maintained as a metalled road. For this purpose, it is necessary that over a certain portion of its length there should be a renewal of metalling every year. This is in accordance with Public Works rules and requirements, and is absolutely necessary, for if the renewals are not regularly and systematically carried out, the metalling becomes worn out and exhausted, and the road will soon be left with nothing but the soil on which the original macadamization was carried out. According to rule, the metalling should be renewed every fifth year, and thus about a fifth of the length of the road should be re-metalled annually, and this work must be done out of the maintenance provision.

The ghât has a north-east aspect, is very unsheltered, and has to bear the brunt of the monsoons. It has also a large and increasing traffic. Thus the present allowance of Rs. 200 per mile is found just sufficient for ordinary maintenance, and there is nothing left for the provision of re-metalling.

The following statement shows how the increased grant now solicited is to be utilized:—

	Rs.
Metal for repairs of road—Collection and spreadage— 6 cubic yards per annum per furlong, or 50 cubic yards per mile = 1,350 cubic feet, at Rs. 8 per 100 cubic feet	108
Clearing drains, slips and surface repairs, &c.	42
Total per mile ..	150
For 18 miles, at Rs. 150 per mile	2,700
Supervision—One maistry for 10 months at Rs. 20	200
Contingencies (hutting, bridge repairs, &c.)	300
	3,200
For remetalling 3″ deep about 2¼ miles per annum	4,000
Total ..	7,200

Metalling on this ghât costs about Rs. 1,750 per mile, as the material is generally at hand and there are no charges for carriage; thus for the provision of Rs. 4,000, about 2¼ miles can be re-metalled per annum, or about one-eighth total length of road.

(*b*) *Maisur-Gúdalúr-Karkúr Ghât Road.*—This road is in South-east Wynaad, and is subjected to the double strain of a lengthy and most trying monsoon and an exceedingly heavy traffic. The traffic is the heaviest in the district, and equals (if it does not exceed) that on the Coonoor ghât, while the monsoons prevail heavily from May to December, and keep the road saturated with moisture during all this long period. The road is metalled throughout, but much of the metalling was originally only three inches deep, and none is over four. This depth is not sufficient for a road where the natural soil is soft and bad, the rains heavy, continuous and extended, and traffic very heavy; and thus extensive metal repairs are constantly needed.

As explained for the preceding work, it is absolutely necessary for the preservation of the road to keep up the macadamization by systematic renewals of metalling year by year; but, with the present allowance, only about nine furlongs, or just a third of the minimum that should be done, can be effected. Metal is scarce along the line, and heavy cartage charges have to be incurred. Thus the cost of renewal per mile for three inches depth is Rs. 2,000. At least three miles, or about one-eighth total length, should be re-metalled annually, and for this alone the cost would be Rs. 6,000.

The following statement shows how the increased maintenance now proposed, and which it is earnestly solicited may be granted, will be utilized :—

	Rs.
Metal for repairs—Collection and spreadage—	
8 cubic yards per furlong per annum = 64 cubic yards per mile, or 1,728 cubic feet, at Rs. 9 per cubic foot including carriage ..	155
Clearing drains and jungle growth—	
Surface repairs, &c., per annum	45
Total per mile ..	200

	Rs.
For 25 miles, at Rs. 200	5,000
Bridge repairs	600
Hutting for labor	200
Supervision—Two maistries at Rs. 20 each for 10 months	400
Contingencies	300
	6,500
For renewals of metal, 3 inches deep—3 miles at Rs. 2,000	6,000
Total ..	12,500

In explanation of the item "Bridge repairs" entered above, it may be stated that all the culverts and bridges on this road are of timber with planked floors, and that renewals of planks, posts, railings, joists and beams are constantly needed.

46. (2) *Civil Buildings.*—Rs. 1,880, as in previous budget, there being no cause for alteration in amount.

47. (*c*) *Establishment* —

	Rs.
(1) Public Works establishment supervision	600
(2) District Board Engineering establishment—	
Salaries	15,000
Travelling allowance	1,620
Total ..	16,620

In the previous budget, a sum of Rs. 16,940 was provided in lump for District Board Engineering establishment, *i.e.*, for salaries, travelling allowances and office contingencies; Rs. 200 was separately provided against the item of (*e*) Contingencies, to meet the printing charges of Local Fund Public Works forms.

But in the present budget, the amounts are separately shown in accordance with the suggestions in paragraph 21 of the Inspector's report on the audit of Local Fund accounts of this district for the official year 1886-87, reviewed in G.O., No. 1760 L., dated 16th September 1887.

The difference (Rs. 16,940—16,620), Rs. 320, is included under (*e*) Contingencies.

48. (*d*) *Tools and Plant.*—Rs. 1,500, as in last budget. The amount was specially sanctioned for the district in G.O. of 28th February 1887, No. 399 L.

49. (*e*) *Contingencies.*—Rs. 520, against Rs. 200 in last budget—*vide* explanation under (*e*) *supra*.

50. (*f*) *Contributions to*—(1) *Provincial Funds.*—Rs. 10,200 as in last budget.

51. *Total, Grant I, Public Works.*—This total is Rs. 1,36,100, against Rs. 1,18,639, the total of the revised budget for 1888-89.

52. *Grant II, Education*—(*a*) *Inspection.*—A sum of Rs. 850 is provided, against nothing in previous budget, and Rs. 150, revised estimate. This is for the pay of an inspecting schoolmaster at Rs. 50 per mensem, *plus* Rs. 15, average amount of travelling allowance, and for contingencies, postal charges, &c., a sum of Rs. 70 is allowed, making a total provision of Rs. 850. For the past two years, the Government provided a Deputy Inspector for this district, and the Board were freed of all charges for inspection.

53. (*b*) *Normal Schools*—(1) *Salaries of Masters.*—Rs. 780, against Rs. 720 in last budget. The increase is for additional pay for the head master, and is strongly recommended by the Director of Public Instruction.

The master is a trained teacher with a first-class certificate, and as men in similar positions in the plains are paid salaries of Rs. 50 per mensem, it is but fair that this man's pay should be raised to Rs. 45 from Rs. 40, the present allowance. The master has been about two years in the school, and has been fairly successful in his work.

54. (2) *Stipends of Students.*—Rs. 840, as in previous budget.

55. (3) *Clerks and Servants.*—Rs. 48, against Rs. 20. The Educational Department recommend the entertainment of a full-time servant on Rs. 6 a month, as there is work for such, in place of the present old woman who is paid Rs. 1-8-0 per mensem to sweep up the building once a day. As the school has doubled in size during the past year and is now an important institution, the Board are prepared to raise the pay to Rs. 4 for a boy sweeper on full time.

56. (4) *Miscellaneous.*—Rs. 100, against Rs. 150, previous budget, as it is believed that a smaller outlay will suffice for this year.

57. (*d*) *Elementary Schools*—(1) *Salaries of Masters.*—Fixed—Rs. 660 against Rs. 470, last budget. Results—Rs. 75, against Rs. 50, last budget.

The increase in the first item is due to the proposed opening of two new schools with teachers on a salary of Rs. 10 each (on the same scale as is now provided for Kairbetta and Sullikodu teachers), in accordance with the suggestions of the Director of Public Instruction approved in G.O., dated 10th March 1888, No. 545 L., against Rs. 12 provided for the teachers of Kairbetta and Sullikodu during 1888-89.

The Educational Department recommended the opening of two new schools, and provision is made accordingly.

The small addition in results (from Rs. 50 to Rs. 75) is due to the proposed new schools.

58. (3) *Miscellaneous.*—Rs. 70, against Rs. 50. The increase under Miscellaneous is for books, maps and furniture required for the new schools.

59. *Grants-in-aid*—(1) *Salary Grants.*—Rs. 1,748, against Rs. 1,990, previous budget—Decrease, Rs. 242. The decrease is due to the suspension of grants for certain teachers in some schools, as will be seen from a comparison of Statement IV-B submitted for 1888-89, and that now submitted for 1889-90. The decrease was due to strict conformity with the provisions of the Grant-in-aid Code. The number of schools to aided will be the same as in the current year.

60. (2) *Results Grants.*—Rs. 150, the same as during 1888-89.

61. (4) *Miscellaneous.*—Rs. 29, against nothing previously. This small provision is made on the recommendation of the Director of Public Instruction to aid poor Badaga schools in the purchase of books, slates, &c.

62. (*f*) (1) *Contributions to Provincial Services.*—A sum of Rs. 870 is provided on account of educational inspection, as directed in G.O., dated 27th November 1888, No. 2228 L.

63. The total amount of Grant II is Rs. 6,220, against Rs. 4,590, revised budget total for 1888-89, and Rs. 3,814, actuals of 1887-88.

64. *Grant III, Medical Services, Vaccination, Sanitation and Public and Charitable Institutions.*—The following are the only sub-heads under which there are transactions in the district, and in these there are no changes from previous arrangements :—

	Provision.
	RS.
(3) Clerks and servants	1,540
(4) Diet of patients	1,200
(5) Supplies	300
(9) Zillah Surgeon's establishment	60
(11) Contingencies	600
(12) Miscellaneous	300
Total ..	4,000

65. *Medical Subordinates.*—The salaries of the three apothecaries under the Board are at present wholly met from Provincial funds.

As this appears to be a special concession granted on account of the peculiar financial position of this Board, it is presumed that paragraph 4 of G.O., dated 27th November 1888, No. 2228 L., directing reduction in the share of Provincial funds, does not apply to this district.

If the Board have to pay a moiety of this charge, they must simply obtain the money from Government in an increase under Provincial contributions for general purposes.

The salaries paid to the apothecaries are as follows :—

	RS.	A.	P.
Apothecary, Gúdalúr—			
Pay	125	0	0
Wynaad allowance	37	8	0
	162	8	0
Apothecary, Devála	162	8	0
Apothecary, Kótagiri—			
Pay	50	0	0
Charge allowance	25	0	0
Warm clothing allowance	7	0	0
	82	0	0

The total charge is thus Rs. 407 per mensem, or Rs. 4,884 per annum.

66. (*b*) *Vaccination*—(1) *Fixed Charges.*—Rs. 1,030, as in last budget.

(2) *Contingencies.*—Rs. 300, against Rs. 150, revised estimate for 1888-89. The extra amount provided is for the animal vaccination introduced during the last half of 1888-89. The Municipalities of Ootacamund and Coonoor have agreed to contribute two-fifths of the cost.

67. (*c*) *Sanitation.*—The budget entries under items 1 and 2 are the same as in the previous budget.

68. (3) *Scavengering Establishment.*—Under this head, a sum of Rs. 970 is provided, against Rs. 860 last budget. The increase, Rs. 110, is due to the proposed entertainment of a sweeper at Devála on Rs. 9 per month, in accordance with the wishes of Government contained in paragraph 13 of G.O., No. 1795 L., dated 28th September 1888, reviewing Local Fund report, Nílgiri district, for 1887-88. The sweeper, in addition to his duties regarding conservancy, will also be required to hold the key of Devála bungalow and collect fees.

69. (5) *Other Sanitary Outlay.*—Rs. 130 provided, against Rs. 100 in previous budgets. The increase, Rs. 30, is made to meet the cost of a hand-cart for the Gúdalúr sweepers at the suggestion of the Head Assistant Collector, duly approved by the Board.

70. (*e*) *Choultries*—(1) *Establishment.*—Rs. 490, as in the previous budget.

71. (*f*) *Public Bungalows.*—Rupees 980, against Rs. 900 provided in round numbers in last budget for Rs. 896. The increase Rs. (980—896) 84 is for a peon on Rs. 7 per mensem for the new bungalow at Gúdalúr. The bungalow is now much used and fees are collected, and so it is necessary to have a peon in charge of it. Up to the present, no establishment has been maintained, and the building has hitherto been under the general charge of the Local Fund overseer of the sub-division.

72. (*g*) *Contributions to*—(1) *Provincial Services.*—Alterations in provision have been made in the following sub-heads, and the total provision is Rs. 1,550, against Rs. 2,110 in revised estimate of 1888-89 :—

	Present provision.	Revised estimate, 1888-89.
	RS.	RS.
(1) Medicines and Surgical Apparatus	1,000	1,509
(2) Medical College	260	200
(3) Sanitary Inspection	260	150
(4) Medical Reserve Staff	20	50
Total ..	1,540	1,909

The provision made under item (1) it is considered will suffice, as there are no arrear charges due to the Surgeon-General as was the case during 1888-89.

In items 2, 3 and 4, the amounts are calculated according to the Local Fund rules at 1·04 per cent. (viz., half per cent. for Medical College, half per cent. for Sanitary Inspection, and ·04 per cent. for Medical Reserve Staff) upon the year's receipts according to the revised estimate, excluding Provincial grants for special purposes.

(6) *Lunatics.*—No provision is made, as local bodies are to be relieved of contributions for the maintenance of lunatics sent to Government Asylums (G.O., No. 2228 L., dated 27th November 1888).

73. (*h*) *Miscellaneous.*—No variations.

74. *Total, Grant III.*—This total is Rs. 9,790, against Rs. 9,989 in revised estimate of 1888-89, and Rs. 9,050, budget amount. The actuals of 1887-88 were Rs. 8,688.

75. *Grant IV—Miscellaneous.*—The following charges remain the same as in the previous year, there being no cause for variation, except under item (*a*), for which the figures advised by the Accountant-General for the previous year have now been adopted in accordance with the rules. A reduction is also made under (*d*) (2) Postal Charges, as the actuals of 1887-88 suggest it :—

	RS.
(*a*) Controlling establishment at Presidency	550
(*b*) Establishment, Collector's office	1,440
(*c*) Local Board's office establishment	590
(*d*) Contingencies—	
(1) Stationery	300
(2) Postal charges	80
(3) Printing charges	400
(4) Travelling allowance to non-official members	1,000

76. (5) *Travelling Allowance to Office Establishment.*—Rupees 20 now provided, against nothing in previous budget and Rs. 20 in revised estimate. The Local Fund clerk has recently had to accompany the President in some of his tours, and thus to meet expenses the provision is made.

77. (*e*) *Pensions.*—Rupees 150, against Rs. 140 in revised budget of 1888-89. Contributions are paid for two clerks, and in the case of one of them, the charge was only for 11 months during 1888-89. The additional month raises the amount due to Rs. 150 (in round numbers), the provision now made.

78. (*h*) *Miscellaneous.*—Rupees 300, as in the last budget, and against Rs. 440 in the revised budget.

79. *Total, Grant IV.*—This is Rs. 4,830, against Rs. 4,960, revised total budget for 1888-89.

	Rs.
*Land-cess	8,000
Tolls	29,800
School-fees	40
Sale of medicines	250
Private contributions	1,530
Choultry rents, &c.	1,190
Sundries	100
Sale of old materials	50
Total	40,960

80. *Reserve—Rs.* 4,096.—As required by the rules, this is calculated at one-tenth of the Board's net * income exclusive of contribution given for special purposes.

81. *Grand Total of Expenditure.*—This total is Rs. 1,61,036, against Rs. 1,38,418, revised budget of 1888-89, and Rs. 1,24,664, actuals of previous year.

82. *Balance—Rs.* 2,048.—This sum is entered at 5 per cent. upon actual income, as required by the rules in force.

83. The district map for the budget, and a proposition statement showing the additions and changes in the strength and emoluments of establishment, existing and proposed, are forwarded.

84. The actuals for 1887-88 under Receipts as given by Government in G.O., No. 1795 L., dated 28th September 1888 (Government review of Nílgiri Local Fund report for 1887-88), are Rs. 1,38,535. The figure now given as actuals of 1887-88 in column 5 of Statement I-A is Rs. 1,38,736, or Rs. 201 in excess. This excess is due to a subsequent adjustment made under orders from the Accountant-General in the accounts of 1887-88 of a sum of Rs. 220 paid as contribution by the Coimbatore District Board, and received in this office during April 1888, but debited by that Board in the accounts of 1887-88; and to a sum of Rs. 18 (being the unexpended portion of an advance made for destruction of dogs) having been ordered by the Accountant-General to be expunged from both sides of the account.

85. The actuals of 1887-88 under Charges as quoted in G.O. referred to above is Rs. 1,24,139, but the figure now entered in column 5 of Statement 1-B is Rs. 1,24,664, or (excluding a sum of Rs. 543 shown under "Advances Recoverable") Rs. 1,24,121. The difference is due to a sum of Rs. 18 (unexpended portion of an advance made for destruction of dogs) being expunged from both the "Receipts and Charges" side of the accounts, as explained in preceding paragraph.

86. In case it should appear to Government that the amount budgeted for as Provincial contribution is excessive, the curtailment of the grant could best be effected by striking out the following works, or some of them, viz.—

	Rs.
(1) Opening Ootacamund-Anikorai road	5,000
(2) Improvement Ootacamund-Maisur road	5,000
(3) Improvement Ootacamund-Kullakamby road	5,000

From Surgeon-Major J. A. LAING, Sanitary Commissioner for Madras, to the Chief Secretary to Government, dated Madras, 18th January 1889, No. 72.

I have the honor to report for the information of Government that the sanitary provision made for the Nílgiri district during the year 1889-90 amounts to Rs. 1,420, against Rs. 1,280 for the current year; the increase is chiefly due to the proposed entertainment of a sweeper at Devála. The allotment will be distributed as follows:—

	Rs.
Improvement of water-supply	200
„ of village sites.	120
Conservancy	970
Other sanitary outlay	130
Total	1,420

2. No detailed statements of the sanitary works, if any, under Grant I, "New Works" and "Repairs," have been furnished to me.

3. Rs. 1,330 have been provided for vaccination, against Rs. 1,180 for the current year. The increase occurs under Contingencies, due to the introduction of animal vaccination. There will be no change in the establishment employed.

Extract from the Proceedings of a meeting of the District Board, Nílgiris, held on Wednesday, the 23rd January 1889.

* * * * *

15. Read letter, No. 9217, dated 8th December 1888, from the Director of Public Instruction, requesting that the post of inspecting schoolmaster in the Nílgiri district may be resuscitated on a salary of Rs. 50 per mensem.

Resolution.—Sanctioned.

(Signed) L. R. BURROWS,
President.

No. 1046.

Endorsement on the above.

Submitted to Government, in the Local and Municipal Department, for information, with reference to para. 1 of the budget report of this district forwarded with this office No. 1012, dated 11th January 1889.

OOTACAMUND,
28*th January* 1889.

(Signed) L. R. BURROWS,
President.

From G. BIDIE, Esq., M.B., C.I.E., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Fort St. George, 1st February 1889, No. 50.

I have the honor to state that the provision made in Grant III of the budget estimate of the District Board of the Nílgiri district for the year 1889-90, for the maintenance of the dispensaries, is sufficient and calls for no remarks.

ORDER—dated 26th March 1889, No. 710 L., Local and Municipal.

The estimated Local Fund receipts and charges of the Nílgiri district for 1889-90, as passed by Government, are compared below with the actuals of 1887-88 and the budget and revised estimates for 1888-89:—

—	Actuals, 1887-88.	Budget estimate, 1888-89.	Revised estimate, 1888-89.	Budget estimate, 1889-90.
Receipts.	Rs.	Rs.	Rs.	Rs.
Balance	3,663	8,150	14,071	
1. Rates and Taxes—				8,200
Cess on Land	8,431	8,000	8,000	
Tolls	37,084	38,600	40,347	8,000
2. Education—				40,000
School Fees	20	20	20	
Other Items	10	..	..	40
3. Medical—				240
Other Items	1,858	1,730	1,748	
4. Interest—				1,900
On Arrears of Revenue	11	..	..	
5. Miscellaneous—				..
Choultry Rents	..	60	120	
Market Rents	50	60	30	60
Other Items	1,033	680	1,213	30
6. Public Works	715	670	692	1,200
				670

—	Actuals, 1887-88.	Budget estimate, 1888-89.	Revised estimate, 1888-89.	Budget estimate, 1889-90.
Receipts—cont.	Rs.	Rs.	Rs.	Rs.
7. Contributions from Provincial Funds—				
Education	467	880	880	990
General Purposes	19,620	13,430	13,430	13,000
Public Works	64,380	65,520	65,520	66,000
Choultries	490	490	490	490
Refunds	586	..	..	..
8. Contribution from Special Funds	..	..	..	..
9. Miscellaneous Debt Accounts	318	..	..	..
Total, Receipts	1,38,736	1,38,290	1,46,561	1,40,820
Charges.				
GRANT I.				
New Works—				
Communications	26,568	31,000	33,922	22,190
Buildings	3,934	2,000	3,997	1,800
Miscellaneous Public Improvements	4	..	..	1,000
Repairs—				
Communications	46,407	48,630	48,849	58,180
Buildings	1,497	1,880	1,886	1,880
Establishment	17,507	17,540	17,540	17,220
Tools and Plant	1,500	1,500	1,500	1,500
Contingencies	..	200	200	520
Contributions	9,562	10,200	10,751	10,200
GRANT II.				
Inspection	..	..	150	850
Normal Schools	1,176	1,730	1,730	1,770
Elementary Schools—				
Salary System	398	..	..	..
Salary-result System	48	570	570	800
Grant-in-aid Schools—				
Salary Grants	1,515	1,990	1,990	1,750
Combined Grants	..	..	..	..
Result Grants	91	150	150	150
Miscellaneous	..	..	..	30
Contributions	586	..	..	..
GRANT III.				
Hospitals and Dispensaries	3,357	4,000	4,009	5,000
Sanitation	1,220	1,180	1,180	1,330
Choultries	406	1,280	1,280	1,420
Bungalows	887	490	490	490
Contributions	1,708	900	900	980
Miscellaneous	1	1,180	2,110	600
GRANT IV.		20	20	20
Establishments, &c.	4,208	5,070	4,520	4,480
Miscellaneous	432	300	440	300
Miscellaneous Debt Accounts	543	..	..	..
Reserve	..	4,100	150	4,170
Total, Charges	1,24,665	1,35,910	1,38,358	1,38,630
Balance	14,071	2,380	8,203	2,190
Deduct—				
Balance under Endowments	..	20	220	100
Net balance available for general purposes	14,071	2,360	7,983	2,090

The variations between the budget and the revised estimate for 1888-89, and between the budget estimates for 1888-89 and 1889-90, are explained in the President's letter.

2. The following errors and omissions are noticed in the budget statements :—

(1) In column 3 of Statements I-A and I-B, the figures of the budget sanctioned in G.O., dated 24th January 1888, No. 202 L., should have been entered, instead of those of the revised estimate for 1888-89.

(2) In column 4 of the same statements, the Accountant-General's finally-audited figures should have been adopted.

(3) In column 2 of Statement I-B, the cost of medicines, &c., should be exhibited under "Hospitals and Dispensaries," and not under "Contributions."

(4) In the last column of Statement III-A, the authority sanctioning the various estimates should have been quoted.

(5) In column 1 of Statement IV-A, the names of the several Local Fund schools should have been given, and the transactions of each school should have been shown separately. A revised statement should be submitted.

(6) In Statement VII, the contribution of Rs. 1,200 expected from general Local Funds on account of the Devála hospital should have been shown in column 9 and not in column 7, while the allotments for the fixed and contingent charges of the hospital, amounting to Rs. 560 and Rs. 900, respectively, should have been entered separately in columns 13 and 14 and not shown together in column 16.

(7) In Statement IX, the subscription for the "Educational Journal" should have been shown under Grant II and not under Grant IV.

(8) In the same statement, miscellaneous debt heads such as permanent advances should have been omitted.

(9) In the same statement, the receipts and charges of endowed institutions should have been shown by means of a foot-note as required in No. 14 of the Local Fund rules.

The necessary corrections have been made with reference to clauses (1), (2), (3), (6) and (8).

REVISED ESTIMATE FOR 1888-89.

3. The current receipts and charges are now estimated at Rs. 1,32,490 and Rs. 1,38,358, respectively, against Rs. 1,30,140 and Rs. 1,35,910 anticipated in the sanctioned budget. The estimated collections under Land cess are only 76 per cent. of the total demand. It should be explained why at least 90 per cent. cannot be realized. The re-entertainment of an inspecting schoolmaster on Rs. 50 a month from 1st January 1889, is approved.

BUDGET ESTIMATE FOR 1889-90.

4. *Receipts.*—The receipts of the ensuing year are estimated by the Board at Rs. 1,54,947, against Rs. 1,32,490 anticipated in the revised estimate for 1888-89, the increase occurring mainly under Contributions from Provincial funds. As in the revised estimate, only 76 per cent. of the demand under Land cess is expected to be realized during the year. The President will report, when submitting the explanation called for in the last paragraph, whether the estimate under this head cannot be raised. Credit is taken for a Provincial grant of Rs. 1,01,318—Rs. 15,296 for general purposes and Rs. 86,022 for communications. This will be reduced to 79,000, * being the amount provided in the Provincial budget for 1889-90.

	Rs.
* General purposes	13,000
Public works	66,000
Total	79,000

5. *Charges*—(1) *Grant I.*—As suggested by the President in the last paragraph of his letter, the allotments amounting to Rs. 15,000 provided for the works noted in the margin will be struck out in review of the reduction of the estimated Provincial grant made above, and the provision for the construction of an iron bridge over the Sígúr river will be reduced to Rs. 6,390. If more funds are required for the last-mentioned work, they can be allotted from the reserve or provided in the budget for 1890-91. No expenditure should be incurred on any of the new works proposed till the estimates have been sanctioned by competent authority.

	Rs.
Opening Ootacamund-Anikorai road	5,000
Improvement to Ootacamund-Maisur road	5,000
Improvement to Ootacamund-Kullakamby road	5,000
Total	15,000

(2) *Grant II.*—As local bodies have now been relieved of the contribution to Provincial funds towards the cost of Sub-Assistant Inspectors of Schools, the provision of Rs. 870 made for this purpose will be struck out. The remarks of the Director of Public Instruction on this portion of the budget are awaited.

(3) *Grant III.*—The entertainment of a sweeper on Rs. 9 per mensem for the town of Devála, and a peon on Rs. 7 for the Gúdalúr bungalow, is approved. The attention of the President is drawn to the omission referred to in paragraph 2 of the Sanitary Commissioner's letter read above. Under Contributions for the Medical College, Sanitary Inspection, and the Medical Reserve Staff, the actuals of the previous year will be repeated, with reference to G.O., dated 2nd April 1887, No. 641 L.

(4) *Grant IV.*—The contribution for controlling establishments at the Presidency, including the cost of printing Government Proceedings, will be reduced to Rs. 500, the actuals of 1887-88.

	Rs.
* Opening balance	8,200
Receipts	1,32,620
Total ..	1,40,820
Charges	1,38,630
Closing balance ..	2,190

6. *Reserve and Balance.*—The reserve, calculated at 10 per cent. of the estimated receipts excluding Provincial contributions and the receipts of endowed institutions, is Rs. 4,170. The budget, as revised by Government closes with a balance of Rs. 2,190, * of which Rs. 100 appertains to endowments, and the remainder (Rs. 2,090), available for general purposes, is 5 per cent. of the estimated receipts.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the President, District Board, Nilgiris.
" Public Works Department.
" Financial Department.
" Accountant-General.
" Director of Public Instruction.
" Surgeon-General with the Government of Madras.
" Sanitary Commissioner for Madras.
" Chairmen of Municipal Councils in the district,
through the Collector.

Exd. A. Raitt.

1926

APPENDIX.

I.—Consolidated Budget Estimate of the District Board of the Nilgiri District for the official year 1889-90.

A.—*Revenue and Receipts.*

—	Estimate, 1889-90. Detail (minor heads).	Estimate, 1889-90. Total (major heads).	Estimate, 1888-89.	Actuals, 1887-88.
	Rs.	Rs.	Rs.	Rs.
Balance on 1st April 1889	8,200	8,200	8,150	3,663
(1) Rates and taxes—				
(a) Cess on land	8,000		8,000	8,431
(b) Tolls under Act V of 1884	40,000		38,600	37,084
(c) House tax	..	48,000	..	..
(2) Education—				
(a) School fees	40		20	20
(b) Contribution—				
(1) From Municipalities	240		..	..
(2) From other district funds	..		..	..
(3) From private individuals	..		..	..
(c) Sale-proceeds of books	..		..	..
(d) Income from endowments	..		..	..
(e) Miscellaneous	..	280	..	10
(3) Medical—				
(a) Hospital receipts	..		..	..
(b) Sale of medicines	250		200	395
(c) Contributions—				
(1) From Municipalities	120		..	..
(2) From other district funds	..		..	..
(3) From private individuals	1,530		1,530	1,236
(d) Income from endowments	..		..	..
(e) Miscellaneous	..	1,900	..	227
(4) Interest—				
(a) On Government securities	..		..	..
(b) On arrears of revenue	..	..	..	11
(5) Miscellaneous—				
(a) Contributions for purposes—				
(1) From Municipalities	..		..	..
(2) From other district funds	..		..	..
(3) From private individuals	..		..	..
(b) Choultry rents	60		60	..
(c) Market rents	30		60	50
(d) Bungalow fees	1,000		600	826
(e) Fees and fines	100		80	77
(f) Ferry rents	..		..	..
(g) Grass rents	..		..	..
(h) Rents and produce of land	..		..	..
(i) Avenues	..		..	..
(j) Sale of stores	..		..	..
(k) Sundry receipts	100	1,290	..	130
(6) Public Works—				
(a) Sale of buildings	..		..	..
(b) Sale of tools and plant	..		..	..
(c) Sale of old materials	50		50	50
Miscellaneous	..		..	28
(d) Contributions—				17
(1) From Municipalities	100		100	100
(2) From other district funds	520		520	520
(3) From private individuals	..		..	..
(e) Refunds of expenditure	..		..	..
(f) Miscellaneous	..	670	..	..
(7) Contribution from Provincial Funds—				
(a) Education	990		880	467
(b) Refunds	..		..	586
(c) General purposes	13,000		13,430	19,620
(d) Public works	66,000		65,520	64,380
(e) Choultries	490	80,480	490	490
(8) Contributions from Special Funds—				
(a) Pound fund	..		..	..
(b) Canal and ferry funds	..		..	..
(9) Allotment from district funds	..		..	..
(10) Debt heads	..		..	318
Total ..	..	1,40,820	1,38,290	1,38,736

12 13

I.—Budget Estimate of the District Board, Nilgiris for the official year 1889-90.

B.—Expenditure.

—	Estimate, 1889-90. Detail (minor heads).	Estimate, 1889-90. Total (major heads).	Estimate, 1888-89.	Actuals, 1887-88.
	Rs.	Rs.	Rs.	Rs.
Grant I, Public Works—				
(a) New works—				
(1) Communications	22,190		31,000	26,568
(2) Civil buildings	1,800		2,000	3,934
(3) Miscellaneous public improvements	1,000		..	4
		24,990		
(b) Repairs—				
(1) Communications	58,180		48,630	46,407
(2) Civil buildings	1,880		1,880	1,497
(3) Miscellaneous public improvements	..		..	..
		60,060		
(c) Establishment—				
(1) Public works establishment supervision	600		600	900
(2) Local Fund Engineering establishment salaries.	15,000			
(3) Travelling allowances	1,620		16,940	16,607
(4) Tolls and ferries	..		..	..
		17,220		
(d) Tools and plant	1,500	1,500	1,500	1,500
(e) Contingencies	520	520	200	..
(f) Contributions to—				
(1) Provincial funds	10,200		10,200	9,562
(2) Other district	..		..	..
(3) Municipalities	..		..	..
(4) Private individuals	..		..	..
		10,200		
(g) Miscellaneous	..		..	..
Total, Grant I	..	1,14,490	1,12,950	1,06,979
Grant II, Education—				
(a) Inspection—				
(1) Salaries	600		..	..
(2) Travelling allowances	180		..	
(3) Contingencies	70		..	
		850		
(b) Normal schools—				
(1) Salaries of masters	780		720	500
(2) Stipends of students	840		840	607
(3) Clerks and servants	50		20	17
(4) Miscellaneous	100		150	52
		1,770		
(c) Secondary schools	..		..	..
(d) Elementary schools { Salary system	..		..	..
{ Salary result system	..		..	398
(1) Salaries of masters { Fixed	660		470	
{ Results	..		50	
(2) Servants	70		..	48
(3) Miscellaneous	..		50	
	70			
		800		
(e) Grants-in-aid—				
(1) Salary grant Combined grants	1,750		1,920	1,515
(2) Result grant	..		..	..
(3) Building grant	150		150	91
(4) Miscellaneous	..		..	..
	30			
		1,930		
(f) Contributions to—				
(1) Provincial services (educational inspection)	..		..	..
(2) Other District Boards	..		..	586
(3) Municipalities	..		..	..
(4) Private individuals	..		..	..
(g) Miscellaneous—				
(1) Purchase of books	..		..	..
(2) Commission on sale of books	..		..	..
(3) Miscellaneous, *i.e.*, stipends to agricultural students	..		..	..
	..	..	..	..
Total, Grant II	..	5,350	4,440	3,814
Grant III, Medical Services, Vaccination, Sanitation, and Public and Charitable Institutions—				
(a) Hospital and Dispensaries—				
(1) Superintendents	..		..	..
(2) Medical subordinates	..		..	..
(3) Clerks and servants	..		..	..
(4) Diet of patients	1,540		1,540	1,335
(5) Supplies	1,200		1,200	952
(6) Midwives and midwifery pupils	300		300	230
(7) Medicines and surgical instruments	..		..	..
	1,000			

1912

I.—Budget Estimate of the District Board, Nilgiris, for the official year 1889-90—*cont.*

B.—Expenditure—cont.

—	Estimate, 1889-90. Detail (minor heads).	Estimate, 1889-90. Total (major heads).	Estimate, 1888-89.	Actuals, 1887-88.
	Rs.	Rs.	Rs.	Rs.
Grant III, Medical Services, Vaccination, Sanitation, &c.—*cont.*				
(a) Hospital and Dispensaries—*cont.*				
(8) Medical pupils	..		..	..
(9) Medical practitioners	..		..	..
(10) Zilla Surgeon's establishment, including travelling allowances	60		60	60
(11) Cholera charges	..		..	..
(12) Contingencies	600		600	490
(13) Miscellaneous	300		300	290
		5,000		
(b) Vaccination—				
(1) Fixed charges	1,030		1,030	1,110
(2) Contingencies	300		150	..
		1,330		
(c) Sanitation—				
(1) Improvement of water-supply	200		200	261
(2) Do. of village-sites	120		120	160
(3) Scavengering establishment	970		860	799
(4) Arrangements at fairs and festivals	..		..	..
(5) Other sanitary outlay	130		100	..
		1,420		
(d) Markets	..		..	..
(e) Choultries—				
(1) Establishment	490		490	406
(2) Feeding travellers	..		..	..
(3) Contingencies	..		..	..
		490		
(f) Public bungalows	980	980	900	887
(g) Contributions—				
(1) Provincial services—				
(1) Medicines and surgical apparatus	..		750	1,117
(2) Medical College	210		..	..
(3) Sanitary inspection	340		200	208
(4) Medical reserve staff	40		200	337
(5) Cutlers establishment	10		10	43
(6) Lunatics	..		20	3
(2) Other District Boards	..		..	..
(3) Municipalities	..		..	..
(4) Private individuals	..		..	..
		600		
(h) Miscellaneous—				
(1) Miscellaneous endowed institutions	..		..	..
(2) Rewards for killing dogs	20		20	..
(3) Miscellaneous	..		..	1
		20		
Total, Grant III	..	9,840	9,050	8,689
Grant IV, Miscellaneous—				
(a) Controlling establishment at the Presidency including printing work done at the Government Press	500	500	1,100	502
(b) Establishment in Collector's office	1,440	1,440	1,440	1,453
(c) Local Board's office establishment	590	590	590	544
(d) Contingencies—				
(1) Stationery	300		300	262
(2) Postal charges	80		150	90
(3) Printing charges	400		400	125
(4) Travelling allowances to non-official members	1,000		1,000	1,105
(5) Do. to office establishment	20			
		1,800		
(e) Pensions	150	150	90	127
(f) Refunds	..	..	..	..
(g) Loans—				
(1) Principal	..		..	..
(2) Interest	..		..	..
(h) Miscellaneous	300	300	300	432
Total, Grant IV	..	4,780	5,370	4,640
Debt heads—				
Advances recoverable	..		..	543
Reserve	..	4,170	4,100	..
Grand Total, Expenditure	..	1,38,630	1,35,910	1,24,665
Balance	..	2,190	2,380	14,071
Deduct—				
(1) Balance under house-tax, if any	..		..	..
(2) Do. endowments, if any	..	100	20	..
Net balance available for general purpose	..	2,090	2,360	14,071

43 14

DEMAND, Collection and Balance of Land-cess (to be appended to Statement I-A submitted with the Budget).

Taluks.	Demand for 1889-90.			Collections in 1889-90.	Balance at the end of March 1890.
	Balance outstanding at the close of the previous year.	Current.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Nilgiri district	2,546	8,000	10,546	8,000	2,546
Total ..	2,546	8,000	10,546	8,000	2,546

II.—Budget estimate of the Union of the Nilgiri District for the official year 1889-90—*Nil.*

III.—Detail of Allotments for Public Works in the Nilgiri District for the official year 1889-90.

A.—New Works.

No.	Taluk.	Description of work.	Amount of estimate.	Computed expenditure up to 31st March 1889.	Estimated expenditure for 1889-90.	Remarks and references.
		I.—*Communications.*	Rs.	Rs.	Rs.	
1	Nilgiri Taluk.	Metalling Gúdalúr Sultan's Battery road.	10,000	..	10,000	*Vide* para. 42 (1), covering letter.
2		Reconstruction Segur bridge ..	6,390	..	6,390	Do. (2) do.
3		Do. of bridge, 5th mile, Maisur-Karkur ghât.	2,000	..	2,000	Do. (3) do.
4		Completion widening Kótagiri ghât road, Ootacamund.	2,000	..	2,000	Do. (4) do.
5		Improvement Ootacamund-Avalanche road 2 miles.	1,000	..	1,000	Do. (5) do.
6		Store-shed, Gúdalúr	800	..	800	Do. (6) do.
		Total ..	22,190	..	22,190	
		II.—*Civil Buildings.*				
1		Musinagudi bungalow stablings ..	800	..	800	*Vide* para. 43 (1), covering letter.
2		Improvement Apothecaries quarters, Devala.	1,000	..	1,000	Do. (2) do.
		Total ..	1,800	..	1,800	
		III.—*Miscellaneous Public Improvements.*				
1		Avenues	1,000	..	1,000	*Vide* para. 44 (1), covering letter.
		Grand Total ..	24,990	..	24,990	

1916

Detail of Allotments for Public Works in the Nilgiri District for the official year 1889-90—*cont.*

B.—*Repairs.*

No.	Taluk.	Description of works.	Number of miles.	Rate per mile.	Estimated expenditure.	Remarks.
		I.—COMMUNICATION.		Rs.	Rs.	
1		Mettupálaiyam-Kótagiri ghât road ..	18	400	7,200	Para. 45, item III (a).
2		Wellington-Kótagiri road	12	100	1,200	Item No. 2, Part II, in last budget.
3		Ootacamund-Maisur road (*viá* Segur ghât)	24	175	4,200	Item No. 3, Part II, in last budget.
4		Maisur-Gúdalúr Karkur ghât road ..	25	500	12,500	Para. 45, Item III (b).
5		Gúdalúr-Sultan's Battery road ..	17	200	3,400	Item No. 5, Part II, in last budget.
6		Devala-Cherambadi road	19	225	4,280	Item No. 6 do. do.
7		Coonoor-Kolakumbai road	10	150	1,500	Do. ,, 7 do. do.
8		Coonoor-Dolphin's Nose road ..	5	100	500	Do. ,, 8 do. do.
9		Kotagiri-Kodanaú road	10	100	1,000	Do. ,, 9 do. do.
10		Kótagiri-Kilkotagiri road	10	70	700	Do. ,, 10 do. do.
11		Karteri-Pillur Saddle road	4	100	400	Do. ,, 11 do. do.
12		Karteri-Devashola road	9	55	500	Do. ,, 12 do. do.
13		Karteri-Yellunhully road	5	70	350	Do. ,, 13 do. do.
14		Ootacamund-Kotagiri road	12	70	840	Do. ,, 14 do. do.
15		Ootacamund-Kólakumbai road ..	17	70	1,190	Do. ,, 15 do. do.
16		Ootacamund-Avalanche road ..	13	75	980	Do. ,, 16 do. do.
17		Nunjanad-McIvor's bund bridle road	6	60	360	Do. ,, 17 do. do.
18		Ootacamund Governor shola road ..	4	100	400	Do. ,, 18 do. do.
19		Pykara Falls bridle road	6	100	600	Do. ,, 19 do. do.
20		The Grant-Duff road	6¼	150	940	Do. ,, 20 do. do.
21		Cherambadi-Sultan's Battery road ..	7	100	700	Do. ,, 21 do. do.
22		Teimalai-Bhavání Valley bridle road	7	100	700	Do. ,, 22, in last budget.
23		Kundah road	6	100	600	Do. ,, 23 do.
24		Nellakotta-Devala road	10	100	1,000	Do. ,, 24 do.
25		Special repairs to bridges	..	..	2,000	Do. ,, 25 do.
26		Do. storm repairs	..	..	2,000	Do. ,, 26 do.
27		Bridle-paths, Ootacamund division .. 1,300 Do. Coonoor do. .. 800 Do. Kótagiri do. .. 800 Do. Wynaad do. .. 600	155	..	3,500	Do. ,, 27, Item II of Para. 45, covering letter. Do. ,, 27 do.
28		Kótagiri-Kengarai bridle road ..	6	70	420	Do. ,, 28 do.
29		The Connemara road	4	150	600	Do. ,, 1, para. 45 of covering letter.
30		Ootacamund-Sholur road	6	150	900	
31		Minor roads	31½	..	2,320	Item No. 31, in last budget and Item I, paragraph 45 of covering letter.
		Total ..	464¾	..	57,780	
		(2) *Tolls and Inspection Loges.*				
32		Repairs to toll huts	9	..	200	Item No. 30, in last budget.
33		Do. to inspection lodges ..	5	..	200	Do. ,, 31 do.
		Total ..	..	..	400	
		Total, Communications ..	..	..	58,180	
		II.—CIVIL BUILDINGS.				
34		Repairs to chattrams	17	30	480	Item No. 32, in last budget.
35		Do. to travellers' bungalows ..	8	..	700	Do. ,, 33 do.
36		Do. to hospitals	3	200	600	Do. ,, 34 do.
37		Do. to Engineer's office	1	100	100	Do. ,, 35 do.
		Total ..	..	..	1,880	
		Grand Total ..	..	..	60,060	

III-C.—Talukwar statement showing allotment of expenditure on roads in each taluk in the Nilgiri District for the official year 1889-90—*Nil*

1915

IV-A.—Statement showing the Receipts and Charges of Local Fund Schools in the Nilgiri District for the official year 1889-90.

Number.	Name of schools.	Average attendance for the six months of the year.	Receipts.										Charges.									
			Grant from Government.		School-fees.		Contribution from other Local Boards, Municipalities and Private Individuals.		Miscellaneous.		Total.		Salaries of masters.									
													1888-89.					1889-90.				
			1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	Number.	Fixed.	School fees.	Results grants.	Total.	Number.	Fixed.	School fees.	Results grants.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	(1) Training school—		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
	Yeddapally Local Fund Normal school	35	860	870	10	..	..	..	..	..	870	870	2	720	..	..	720	2	780	..	..	780
	Total ..	35	860	870	10	..	..	..	..	..	870	870	2	720	..	..	720	2	780	..	..	780
	(2) Secondary school—*Nil.*																					
	(3) Elementary schools—																					
	Boys—																					
	(*a*) Salary system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(*b*) Do. result system	70	20	120	10	40	..	..	..	..	30	160	3	470	..	50	520	5	660	..	75	735
	Girls—																					
	(*a*) Salary system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(*b*) Do. result system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	70	20	120	10	40	..	..	..	..	30	160	3	470	..	50	520	5	660	..	75	735
	Grand Total ..	105	880	990	20	40	..	..	..	..	900	1,030	5	1,190	..	50	1,240	7	1,440	..	75	1,515

28

IV-A.—Statement showing the Receipts and Charges of Local Fund Schools in the Nilgiri District for the official year 1889-90—*cont.*

Number.	Name of schools.	Charges—*cont.*																				
		Stipends of students.				Clerks.				Servants.				Rent.		Furniture.		Maps and books.		Miscellaneous.		Total.	
		1888-89.		1889-90.		1888-89.		1889-90.		1888-89.		1889-90.											
		Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.
		23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	(1) Training school—		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Yeddapally Local Fund Normal school	10	840	10	840	..	..	..	..	1	20	1	48	..	..	50	50	100	50	..	..	1,730	1,768
	Total ..	10	840	10	840	..	..	..	..	1	20	1	48	..	..	50	50	100	50	..	..	1,730	1,768
	(2) Secondary school—*Nil.*																						
	(3) Elementary schools—																						
	Boys—																						
	(*a*) Salary system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(*b*) Do. result system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	40	20	30	..	..	570	805
	Girls—																						
	(*a*) Salary system	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(*b*) Do. result system ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	40	20	30	..	..	570	805
	Grand Total ..	10	840	10	840	..	..	..	..	1	20	1	48	..	..	80	90	120	80	..	..	2,300	2,573

29

V.—Detail of charges in Local Fund Hospitals, Dispensaries and Public and Charitable Institutions in the Nílgiri District for the official year 1889-90.

Institutions.	Fixed charges.																			
	Superintendent.				Medical subordinates.				Clerks.				Servants.				Midwives and midwifery pupils.			
	1888-89.		1889-90.		1888-89.		1889-90.		1888-89.		1889-90.		1888-89.		1889-90.		1888-89.		1889-90.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
(*a*) Hospitals and Dispensaries—		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Gúdalúr hospital	..	..	..	..	..	..	..	..	..	..	..	..	5	580	5	580	..	..	..	..
Kótagiri do.	..	..	..	..	..	..	..	..	..	..	..	..	5	400	5	400	..	..	..	..
Devala do.	..	..	..	..	..	..	..	..	..	..	..	..	4	560	4	560	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	14	1,540	14	1,540	..	..	..	..
(*b*) Choultries—																				
Burliar ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Aravenghat ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Yellunhully ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Craigmore ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Hamiltons ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Pykara ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Neddivattam ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Ouchterlony ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Gúdalúr ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	..	..	..	..
Nadgani ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Devala ..	..	..	..	..	..	..	..	..	..	..	..	..	1	70	1	70	..	..	..	..
Tippecadu ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Musinagudi ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Segur ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Sandynulla ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Nunjanaad ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	..	..	..	..	..	..
Kótagiri ..	..	..	..	..	..	..	..	..	..	..	..	..	1	30	1	30	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	15	490	15	490	..	..	..	..
(*f*) Public Bungalows—																				
Avalanche ..	..	..	..	..	..	..	..	..	..	..	..	..	2	144	2	144				
Kunkutty ..	..	..	..	..	..	..	..	..	..	..	..	..	2	132	1	132				
Neddivattam ..	..	..	..	..	..	..	..	..	..	..	..	..	2	144	1	144				
Pykara ..	..	..	..	..	..	..	..	..	..	..	..	..	2	132	1	132				
Nadgani ..	..	..	..	..	..	..	..	..	..	..	..	..	1	72	1	72	..	..	..	..
Musinagudi ..	..	..	..	..	..	..	..	..	..	..	..	..	1	72	1	72				
Devala ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
Gúdalúr ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	84				
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	* 10	696 or 700	8	780	..	..	..	..
Grand Total ..	..	..	..	..	..	..	..	..	..	..	..	..	39	2,726 or 2,730	37	2,810	..	..	..	..

* Under bungalow establishment there would appear to be a reduction in the number of servants as given for 1889-90 against 1888-89. Excluding the new hand proposed for Gúdalúr bungalow, there will be a difference of three hands. As a matter of fact there was no reduction, but by mistake two hands were shown for each of the bungalows Kulhutti, Neddivattam and Pykara during 1888-89 while only one servant was intended for each of the bungalows.

V.—Detail of charges in Local Fund Hospitals, Dispensaries and Public and Charitable Institutions in the Nílgiri District for the official year 1889-90—*cont.*

Institutions.	Fixed charges—*cont.*				Contingent charges.														Remarks.
	Medical pupils.				Medicines and surgical instruments.		Supplies.		Diet of patients and feeding charges of travellers.		Rents.		Furniture.		Sundries.		Total.		
	1888-89.		1889-96.																
	Number.	Amount.	Number.	Amount.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	1888-89.	1889-90.	
	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
(*a*) Hospital and Dispensaries—		Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Gúdalúr hospital ..	..	..	..	..	250	350	100	100	700	700	..	..	200	200	100	100	1,930	2,030	
Kótagiri do. ..	..	..	..	..	250	350	100	100	300	300	..	..	200	200	100	100	1,350	1,450	
Devala do. ..	..	..	..	..	250	300	100	100	200	200	..	..	200	200	100	100	1,410	1,460	
Total ..	..	..	..	..	750	1,000	300	300	1,200	1,200	..	..	600	600	300	300	4,690	4,940	
(*b*) Choultries—																			
Burliar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Aravenghat ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Yellunhully ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Craigmore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Hamiltons ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Pykara ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Neddivattam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Ouchterlony ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Gúdalúr ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	
Nadgani ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Devala ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70	70	
Tippecadu ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Musinagudi ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Segur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Sandynulla ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Nunjanaad ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..	
Kótagiri ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	30	
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	490	490	
(*f*) Public Bungalows—																			
Avalanche ..																			
Kunkutty ..																			
Neddivattam ..																			
Pykara ..																			
Nadgani ..	..	..	..	..	..	..	..	..	..	..	..	..	100	100	100	100	900	980	
Musinagudi ..																			
Devala ..																			
Gúdalúr ..																			
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	100	100	100	100	900	980	
Grand Total ..	..	..	..	..	750	1,000	300	300	1,200	1,200	..	..	700	700	400	400	6,080	6,410	

VI.—Statement showing the details of sanitary expenditure in the Nilgiri District for the official year 1889-90.

Taluk.	Area.	Population.	Village.	Population.	Water-supply.	Village site.	Scavengering establishment.	Other sanitary outlay.	Fairs and festivals.	Total.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12
No dvision of taluks in the district.	SQ. M. 935	NO. 72,196	NO. * 39	NO. 72,196	RS. 200	RS. 120	RS. 970	RS. 130	..	RS. 1,420	* Municipalities and Wellington cantonment are excluded.

VII.—Statement of receipts and expenditure on account of endowments in the Local Fund of the Nilgiri District for the official year 1889-90.

Designation of endowments.	Receipts.								
	Balance.	Government contribution.	Other contribution.	Interest.	Rent, market fees, produce of land, &c.	Miscellaneous.	Contribution from General Local Revenue.		Total.
							As loan.	As contribution.	
1	2	3	4	5	6	7	8	9	10
(1) Schools—*Nil.*									
(2) Hospitals and Dispensaries—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Devala hospital	200	..	1,530	..	..	..	..	(a)1,200	2,930
Total ..	200	..	1,530	..	..	..	..	1,200	2,930
(3) Choultries—									
Nadgani	20	70	..	..	60	..	..	30	180
(4) Bungalows—*Nil.* Total ..	20	70	..	..	60	..	..	30	180
Grand Total ..	220	70	1,530	..	60	..	..	1,230	3,110

Designation of endowments.	Expenditure.									
	Allotment for Public Works.	Cost of supervision, tools and plant.	Fixed charges.	Contingent charges.	Allotted for education.	Allotted for dispensaries.	Allotted for other purposes.	Payment of loans.	Total.	Balance.
	11	12	13	14	15	16	17	18	19	20
(1) Schools—*Nil.*										
2. Hospital and Dispensaries—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Devala hospital	1,200	240	(b) 560	(b) 900	..	..	..	..	2,900	30
Total ..	1,200	240	560	900	..	..	..	..	2,900	30
(3) Choultries—										
Nadgani	30	10	70	..	..	..	..	..	110	70
Total ..	30	10	70	..	..	..	..	..	110	70
(4) Bungalows—*Nil.*										
Grand Total ..	1,230	250	630	900	..	..	..	..	3,010	100

Foot-note.—The Devala hospital has been recognised as an endowed institution and it has been admitted as such also by the Inspector of Local Fund Accounts (*vide* his letter No. , dated 2nd July 1888.)

(*a*) Rupees 1,200 has been allotted for Public Works expenditure for Devala hospital (*vide* statements III-A and III-B). This amount is also shown in the receipt side under orders of Inspector of Local Fund Accounts.

(*b*) Rs. 1,460 (*vide* statement V).

VIII.—Union budget estimate of the Unions in the Nilgiri district for the official year 1889-90—*Nil.*

No. 1275 W d/5 June/89

Recorded

1 Ld W.L.C.B

Dr

Govt. of {1889} Madras.

LOCAL AND MUNICIPAL.

Issued

Recd. Encl.

G.O., 26th March 1889, No. 710 L.

No. 1275 W d/13 May/89

MARCH.

Local Fund Budget.

Reviewing the — of the Nilgiri district for 1889-90.

S.E. IV Circle

Exr. P.W.A

With order

P.W.D.

Note by the Chief Engineer
General Buildings and Roads Branch.

19/6

The sections of the main plate girders should be fastened with rivets, and not be merely bolted together. The centre longitudinal teak joist might with advantage be replaced by an iron joist; and the bed plates for the rolled beams should be of stone in preference to wood.

WCR
8.7.89

E.W.

Ans'd
9.7.89

19

Extract from the Proceedings of the District Boards, Nilgiris, held on Friday, the 31st May 1889

Present

C. J. MacCarthie Esq. President

Official Members

C. Flanagan Esq - Asst Inspector of Schools

Non-Official members

W. G. Beadnell Esq.
H. Wapshare Esq
D. Scott Esq
E. G. Windle Esq
R. L. Shubrick Esq
E. Baldwell Esq
H. Shebbeare Esq.

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6. Read the following Estimate submitted by the District Board Engineer, Nilgiris.

3. Estimate for the re-Construction of Sigur Bridge - Rs 14700 and letter no. 149 dated 21st May 89 from the District Board Engineer, Nilgiris stating that the work will extend to the ensuing year 1890-91.

The Board approve an

alternative estimate framed by the District Board Engineer Nilgiris for Rs 10,000 and resolve to submit it to Government for Sanction. The iron work is to be obtained from Messrs — [illegible] Iron & Girders, Bombay

(Sd) C. F. [illegible]
President

(True Extract)

[illegible signature]
President
Dt. Board
[illegible]

SUPG: ENGINEER'S OFFICE
No. 4/204
12 JUN 89
P. W. D.
FOURTH CIRCLE

No. 276 / E.W.

Supg. Engineer's Office, IV Circle,
Camp Ootacamund 22nd June 1889.

From

Colonel H. M. Vibart R.E.,
Superintending Engineer,
Fourth Circle.

17

To

1916

The Chief Engineer,
P. W. Department.

Sir,

Enclosures 5.
1 Plan
1 Estimate
1 Report
1 Specification
1 Extract from the Dist. Board's Pro:

I have the honor to forward for sanction of Government a plan and estimate amounting to Rs 10,000 for providing Iron girders on the existing sound masonry piers and abutments of the Sigur Bridge on the road from Ootacamund to Mysore in the Nilgiri District, together with a Report, Specification, and the Extract from the Proceedings of the District Board.

2. The waterway through the bridge from the highest water mark to the bottom of the two Centre girders has now been shewn in this Office as 5 feet.

3. Rupees 6,390 have been provided

21

in

in the Current year's Budget for the work.
It is expected that the bridge will be completed early in the ensuing official year.

4. The required iron works, it is proposed, to obtain from Messrs Richardson and Cruddas, Bombay.

I have the honor to be,
Sir,
Your most obed.t Servt.,

Alexander Abert
Colonel R.E.,
Superintending Engineer, W Circle.

2

1916

22

8? Bno 1275W d/13-5-89

P.W.C. No 5834 ✓

From (6)

The Supg: Engineer,
Fourth circle.

Dated 22d June/89
Rd 25.6.89

No: 276/Rw

Encls: 5
(+1 plan)

Sigur Bridge on the Road from Ooty to Mysore:—

Forwarding for sanction of Government plan & estimate of Rs: 10,000 for providing iron girders on the existing sound masonry piers and abutments of the

2/97

Note by E.W. 1916

The sections of the ^plate^ main girders should be fastened with rivets, and not be merely bolted together. The centre longitudinal teak joists might with advantage be replaced by an iron joist; and the bed plates of the rolled beams should be of stone in preference to wood.

[illegible]
4.7.89

23

PWS 50/7

Public Works Department.

Current No. 5834

Letter No. 276 R.W.

Dated 22nd June 1889

From the Supg: Engr. IV Circle

Sanction. Note by E.W. on the reverse. [illegible] 4.7.89

NOTE OF REMARKS.

The Estimate under review amounting to Rs 10,000 provides for reconstructing the Sigur Bridge situated at the 13th mile on the road from Ootacamund to Mysore.

It is stated that the existing piers & abutments, which are of brick in mortar, are sound and substantial, and will be utilized in the reconstruction of the bridge.

The old bridge was of timber but it is now proposed to span it with iron girders, the

two centre bays which
are each 34½' long
are to be spanned
with wrought iron
plate rivetted girders
and the two shore
end bays which
are each 20' long
are to be spanned
with rolled iron
beams –
Hobbing's patent
buckled iron flooring
¼" thick is to be
used for the platform
of the roadway
which will be covered
with metal averaging
3" in depth.
A railing of Iron
Standards and gas
tubing will run
on each side of
the roadway which
will be 10' wide
between guard
plates –
In the report it
is explained that
the proposed iron
bridge is to replace

the existing wooden
bridge which is
in a state of decay,
but no provision
is made in the
Est: for dismantling
the old structure –
The wooden beams
placed between the 1915
girders of the centre
spans seem objectionable
it may be better
to use wrought or
rolled iron beams 1916
and to have two
instead of one
for each bay,
it might also be
better to have
stone beds instead
of wooden beds
for the ends of
the girders to rest
on, and to do
away with woodwork
altogether — 24
The rate for timber
is correct the other

sides cannot be checked.

The plan and Estimate have been countersigned by the President of the Dist: Board.

[illegible]

3/7/89.

No. 1916

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17th July 1889

1916

READ the following

From the Superintending Engineer IV Circle — No 276 Ew dated 22nd June 1889
Note by the Chief Engineer P. W. Department — dated 9. VII. 89

The estimate amounting to Rs 10,000 for the reconstruction of the Sigur Bridge in the Nilgiri District is sanctioned.

2o — Attention is drawn to the Note by the Chief Engineer above recorded.

3o — This sanction has been registered as Local No 14. W of 1889–90.

[illegible] 15 Jul.

[illegible] 8.7.89

[illegible] 9.7.89

To
The Supdg Engineer IV Circle
& Local & Municipal Dept
with 4 enclosures

~~24~~ A 25

To The Hon'ble the Chief Secretary
(for fair copy countersigned initials)

[illegible]

Govt. of (1889) Madras.

PUBLIC WORKS.

Dated

Recd. Encl.

G.O. 17 July 1889 No. 1916 W

Sigur Bridge, Nilgiri Dt.

Est for reconstruction of the —, sanctioned

25

9/3