(1) Number of pages 56

(2) Date of repair NOV. 87.

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.I. DEPARTMENT

G.O. No. / **B.P. No.** 2412.Ir.

Press. / Mis.

Dated 15.10.1885 ~~198~~ .

Not to be folded or roughly handled

Archives I--10,006 I -80.

15th October 1885, No. 2412 W., Public Works.

2412/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 27th August 1885, No. 360 E.W. :—

I have the honor to submit herewith the second of the estimates mentioned in paragraph 7 of the late Mr. Nordmann's letter, No. 27 V., of 25th January 1884, and referred to at paragraph 11 of G.O., No. 524 W., of 26th February 1884. The estimates for the first of the series, the Calicut-Vayitri road, were sanctioned in the following G.Os. :—

No. 3043 W., of 12th December 1884.
No. 155 W., of 19th January 1885.
No. 1527 W., of 1st July 1885.

2. The estimate now submitted is for the 46 miles of road from Vayitri to Gúdalúr, on the line approved in G.O., No. 3109 W., of 18th December 1884, and includes the following items :—

	RS.
Reformation, including tunnels	2,55,510
Five large bridges having waterways varying from 50 to 120 feet...	71,044
Fifteen minor bridges having waterways varying from 10 to 20 feet	26,092
Rest-houses, &c.	7,728
Compensation for land	650
Repairs while the improvements are in progress	41,400
Total ...	4,02,424

3. The estimates are accompanied by a survey and sections of the road in 62 sheets, 8 plans of bridges, a sketch-map, and a report, which have all been prepared with much care by Mr. A. B. Todd, Assistant Engineer. A general abstract estimate, framed in this office, is sent with them.

4. The estimates for road-making, bridges and buildings provide $2\frac{1}{2}$ per cent. for contingencies and $2\frac{1}{2}$ per cent. for superintendence; and the only item of the sufficiency of which I am doubtful is that for "compensation." I think Mr. Todd may be mistaken in supposing that owners will make presents of land to the road, and that it will be safer to raise the total of the estimate by an item of Rs. 7,576 on account of unforeseen demands and other contingencies. This item has accordingly been entered in the general abstract estimate, making the total to come to Rs. 4,10,000.

Note by the Chief Engineer, Public Works Department.

The estimates now before Government provide for improving, and placing in good order, the road between Vayitri and Gúdalúr in Wynaad, a distance of 46 miles. The estimates amount to Rs. 4,10,000, being at the rate of about Rs. 8,900 per mile.

2. These estimates provide for the third and last portion of the through road between Ootacamund and Calicut. The improvement of the portion between Ootacamund and Gúdalúr, 31 miles, has now been nearly completed at a cost of Rs. 1,83,250; and estimates, amounting to Rs. 3,19,788,* have been sanctioned for improving the portion between Vayitri and Calicut.

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* G.O., No. 1527 W., dated 1st July 1885.
" " 2373 W., " 12th October 1885.

9 2412/2

3. The estimates now laid before Government have been prepared in a manner highly creditable to Mr. A. B. Todd. The line adopted is that approved in G.O. of 18th December 1884, No. 3109 W. The gradients on the new line will be considerably easier than those on the old road, while at the same time the through distance is shortened by 2½ miles.

4. The points in the estimate which appear to require notice are—

(1) The width of roadway allowed is 16 feet, of which it is proposed to metal 12 feet. The width should be increased to 18 feet, the metalled portion remaining as proposed.

(2) The proposal to omit check-drains where the line runs through plantations is not approved.

(3) The estimates for rest-houses should be revised and reduced in accordance with the Superintending Engineer's letter, No. 384, dated 24th September 1885.

(4) The Superintending Engineer's suggestion, to add a sum of Rs. 7,576 to cover the cost of compensation for land, is approved.

3rd October 1885. (Signed) J. SHAW-STEWART, Col., R.E.,
Chief Engineer, P.W.D.

ORDER—dated 15th October 1885, No. 2412 W., Public Works.

The estimates, amounting to Rs. 4,10,000, for improvements to the road between Vayitri and Gúdalúr, are sanctioned for execution when funds are available.

2. The remarks of the Chief Engineer should receive attention.

3. The Government concur in the Chief Engineer's commendation of the creditable manner in which the project has been submitted by Mr. Todd.

4. The question of transferring the charge of the road to the Public Works Department, while the improvements are in progress, will be a matter for future consideration.

5. The sanction accorded in paragraph 1 of these proceedings has been registered as Provincial No. 149 W. of 1885-86, and classified as Communications, Original Works.

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

To the Superintending Engineer, IV Circle, with all enclosures.
" Examiner, Public Works Accounts, with general abstract estimate.
" Financial Department.
" Honorary Secretary, Wynaad Planters' Association.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1885] Madras

PUBLIC WORKS.

Dated October, 15th.

Recd.

Encl.

G.O., 15th Oct. 1885, No. 2412 W.

OCTOBER.

Road between Vayitri and Gudalur

Estimates for improvements to the —, sanctioned with remarks.

To D.W.

The attention of the Govt. has been drawn to a letter, printed in the "Madras Times" dated 18-5-85, and which was therein stated to have been addressed by Mr. R. F. Chisholm to the Municipal Commissioner of Bombay.

With advertence to the concluding paragraph of that letter, the Govt. desire that Mr. Chisholm's attention be again drawn to the fact that the acceptance of fees from private persons or Corporations, without the special previous sanction of the Govt. of India, has been strictly & distinctly prohibited.

W.S.
27.5.85

Complete file put up
S.D.
Submitted 1-6-85
913

---

blic Works Department, 188 -8 .

blic Works Department, 1885-86.

With advertence to letter in Madras Times of 18th current, please let me see recent papers bearing on question of acceptance of fees by C. A.

20.5.85

1oW

G.O. No. 1196W of 12.5.84 submitted.

Please see also para 2. of G. of I. letter 981 G. printed on page 1 of Pros. No. 2193W of 5.9.84; also last para of "Notice to Architects" printed at page 2 of the Pros.

23.5.85

to C.A.W.
~~Cons. Govt~~

The G.O. quoted by you gives permission to officers in the service of Govt. to compete for certain prizes but not to accept fees.

27.5.85

blic Works Department, 188 -8 .

ro-

9k19/2

It would appear from the G. of I. letter recorded at head of 1299. W. which will be found printed in 1196. W. 8 12. 5. 84, that the prohibition is against the receipt of fees from private persons or corporations for architectural work done outside an officer's regular duties. I have been through the correspondence but can find no other which would cancel) of Section 806 of the Code. 9412/6

Two courses are open to us:- To make an addition to G.O. 1299. W. d 4 June 85 to the effect that nothing therein contained affects the section of the Code quoted:-

or to

refer the question to India with reference to their letter for ~~a~~ definite ruling on the subject.

I fancy the former course wd. be all right.

JB

Draft, p.l W's endorsement, an addendum to G.O. 1299 to the effect that the exceptions connected in Note to para 806 of Code are not affected by this G.O.

86

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(157)

blic Works Department, 1885-86.

9412/6

W.

I have drafted the accompanying order on Col: Pennycuick's reference No 1525 of 30th June.

G.O. No 1229 of 4th June did not mean, I take it, to prohibit the acceptance of fees by officers appointed by a Court of Law to act as arbitrators – to whom the exception under Note to para 806 of Code may still apply.

A reference somewhat similar to that of Col. Pennycuick came in to-day from S.E. IV.

The proposed "Addendum" to G.O. 1229 will meet both references.

Cd.

2.7.85

To C.A.W

Are paras 806 & 809 of the Madras P.W. Code based on corresponding rules in the India Code?

W

6.7.85

To W

Para 806 Madras P.W. Code is an exact reproduction of para 2 Chapter IV of the India Code –

Para 809 is a local

S.A.W. 9412/7

The draft addendum
is not initialled.

D.P.
14/7/85

The addendum is not
to issue. The office
note drafted on Corresp
5939 is to be sent
to C

J.B.

Mr Hereford.

D.P.

Sd ?

to H.L. with office
copy

ublic Works Department 188

D.W.

97 12/8

In reply to our Office Note asking on what authority para 809 of the Code was based, C forwards a copy of Judicial G.O. No. 2548, dt 29 Octr 1877. The Code para was evidently based on para 7 of this order.

Since the first reference on the subject a ~~letter~~ Current No 6090, has come to hand from the S.E. II Circle, enquiring whether fees may be accepted as heretofore, by Public Works Subordinates for work done at the request of a Court

ws bags, each of 50 lb. ap

ublic Works Department. 188 . 8

One order will apparently dispose of all references on the subject.

Para 806 of the Code is based on G of I rules and is therefore not affected by G.O. No. 1299 W of 24th June 85.

Orders are now requested whether para 809 which is a local rule may stand good.

FP

W.

It now appears that para 806 of Code is based on Order in the Judicial Depart No. 2548, of 29th October, 1877.

CCJ
18.7

CCJ
1.7.85

Before taking further action in this matter G of I should like that the S.E.s be called on to give lists of cases which have occurred since 1-1-84 in which subordinate employes have received permission, under para 809 of the Code, to undertake private work out of office hours.

Also to state their opinion whether the grant of this indulgence has proved in any way inconvenient, or detrimental to the public interests.

20.7.85

s bays, each of 50 ft. spans

Public Works Department, 188

D.W.

JH 19/10

In G.O. 1299. W. 8th June /85 attention was directed to existing orders prohibiting the acceptance by officers of Govt. fees for work undertaken outside their regular duties - and all permission given prior to the date of that order for the acceptance of fees was cancelled.

Soon after the forgoing order was issued references were recd. from various officers enquiring whether the order affected the sanction contained in paras 806 & 809 of the P.W. Code. - An addendum was then drafted to the effect that G.O. 1299. W. 8th June/85, did not affect

WH

...us bays, each of 50 ft. span

Public Works Department, 188

12/11

affect paras 806 & 809 of the Code.

Before, however, taking further action in the matter Wr desired that S.E's shd be called upon to submit lists of cases in which sub-employés of the P.W.D. have recd permission to undertake private work out of office hours. This was accordingly done and S.E's were further requested to express their opinion whether the grant of the indulgences has proved in any way inconvenient or detrimental to the public interest.

Replies have now been recd from all the officers addressed and are herewith submitted.

Proposed to submit them to Wr for orders with an expression of your opinion

AHT

two bays, each of 50 ft. span

W

The Supt. Engr. & Consulting Architect have replied about their Subordinates undertaking private work out of Office hours.

Except in the Architect's Office, & on the Nilgheries, there has either been no Enquiry ever made, or scarcely any opportunity worth mentioning has occurred.

There can be no question that the efficiency of Draftsmen would be much increased by making private drawings under the direction of the Consulting Architect, & that even if it did for a day or two make them less capable of exertion in office hours, this would be made up by their acquiring quicker methods.

As to the ordinary Establishments under Supt. & Ex. Engrs. there is no doubt that they do give friends & local bodies, & might give superiors some slight assistance in drawing or copying on a few rare occasions hardly worth making a matter of public record.

The question it seems to me is only one that could be agitated in a tropical climate because before & after the time of Charles Lamb in the India Office, it is notorious that Officials have been among the best Reviewers & Novelists, & an axiom laid down that the "busiest men have most leisure"

The latter is partially true even in this climate, & may even extend to those in subordinate situations

ATf

Sept. 19 [illegible]

Public Works Department, 188

..ies bags, each of 50 lb. apa

File relating to subordinates undertaking private work out of office hours, under Code para 809

B 11/13

To W.

For orders with advertence to DW's note of 18.9.85, & to your note of 20.7.85, attached to original of Circular No 1274 C d/24.7.85.

A brief abstract of the replies of Supdg Engrs has been added ~~[illegible]~~ ~~[illegible]~~ here – to complete the file.

So far as regards the P.W. Dept., it would appear that permission to undertake private work, under para 809, has been sought to a very small extent, & that the Govt. interests have not suffered by the concession.–

The point for consideration apparently now is, whether it shall be declared that

Public Works Department. 188

two ways, each of 50 ft. span

para 809 of the P.W. Code
is not affected by the
ruling contained in G.O.
1299 W of 4.6.85, or whethe
para 809 shall be can
celled —

If it be considered
that a general ruling
should be issued, abso
lutely prohibiting the
performance of private
work by Govt. employe
it will be necessary to
put a case for considera
tion in the Public Dep
For an order of the kind
should be a letter be
applicable to Govt. serv

For all depts.

As matters stand at
present it will be suffici
for the P.W. Dept. to take
the initiative in the
matter, for we shall
not be able to inter
any glaring cases of
detriment being caused
Govt. interests by publi
servants taking up priv
work of working
22.9.85

I see no objection to para 809 of P.W. Code remaining in force, notwithstanding the ruling contained in G.O. of 4.6.85, No 1299.

I think however that it would be well to adopt the suggestion made by S.E. IV in para 2 of his letter dated 22.8.83.

22.9.85

Public Works Department 188 . 8 .

two ways, each of 50 ft. span

To W

To meet the suggestion of the C in his office note of 6. 10. 85, it will be sufficient apparently to make an addition to the draft order, as suggested in pencil —

Approved

The sanction of Govt. does not appear to be needed when Govt. servants obtain remuneration from private parties for work done out of office hours — Code para 875 refers solely to public or quasi public bodies.

Cu
9. 10. 85

M
9 - 10 - 85

Public Works Department. 188

bags, each of 50 lb.

2x12/16

Public Works Department, 1885-86.

Current No. 7037

Letter No. 360/E.M.

Dated the 27th August /85

From the S.E. IV Circle

NOTE OF REMARKS.

In obedience to I. No. 3109 W of the 18th Dec/84 the accompanying plans and estimate are submitted for improving the road from Vayitri to Gudalur. — The estimate amounts to Rs. 4,10,000. — The sum is thus divided:— earthwork (including catch and side drains), metalling, gravelling and sanding — Rs. 2,30,380; repairing existing tunnels — Rs. 386; 60 tunnels of one vent, 2 ft. × 3 ft., — Rs. 7,320; 242 tunnels of one vent, 1½ ft. × 2 ft. — Rs. 17,424; a bridge over the Kannuth of three bays, each of 40 ft. span, — Rs. 14,330; a bridge over the Ennambutta of two bays, each of 40 ft. span — Rs. 14,933; a bridge over the Sholadi of two bays, each of 50 ft. span

Rs. 5,551; a bridge over the Pandalur of one bay of 50 ft. span – Rs. 11,292; a bridge over the Devalapoyal of one bay of 50 ft. span – Rs. 14,938; 1 bridge of one bay of 20 ft span with abutments 9 ft high – Rs. 2,210; 1 bridge of one bay of 20 ft span with abutments 10½ ft. high – Rs. 2,330; 2 bridges, each of one bay of 17½ ft. span with abutments 10 ft high – Rs. 6,808; 1 bridge of one bay of 10 ft span with abutments 10½ ft. high – Rs. 1,953; 3 bridges, each of one bay of 10 ft span with abutments 9 ft. high – Rs. 5,487; 1 bridge of one bay of 10 ft. span with abutments 8 ft. high – Rs. 1,358; 6 bridges, each of one bay of 10 ft span with abutments 5 ft. high – Rs. 5,940; compensation for land – Rs. 650; repairs of road while the improvements are in progress – Rs. 41,400; and unforeseen contingencies (a special item) – Rs. 7,576; and 2 rest houses with out offices for upper subordinates (as per estimate sanctioned in G.O. No. 527 W. of the [illegible] July '85) – Rs. 7,728

ZH 12/17

the rate per mile calculated on the cost of earthwork, metalling, gravelling and sanding only (Rs. 2,30380) is Rs. 4,970; and when calculated on the total expenditure to be incurred (Rs. 4,10,700) the rate per mile amounts to Rs. 8,840.

The route to be adopted from Vytri to Gudalur is that approved in G.O. No. 3109 W of the 18th Dec '84 and is 40 miles 1,768 feet in length. An examination of the survey and longitudinal section of the road shows that there are no zig zags in the line and that the gradient is nowhere steeper than 1 in [illegible]. The drainage appears well and amply provided for both in catch and side drains with the necessary tunnels. The width of roadway allowed is 16 feet but the great majority of the cross sections show that a very considerable portion of the road runs through ground with a transverse slope so severe in some instances (see C.S. Nos 329, 330, 331, 333, 335 for example) as to give unpleasantly precipitous falls on the off side of the road, from which it may be inferred that 18 feet would be a safer width to adopt. The road also runs in some cases entirely on embankment, and the increase in cost that would arise from adopting the greater width of roadway would be comparatively trifling. — The center 12 feet of the roadway are to be metalled to a depth of 6 inches and gravel or sand is to be spread over the whole surface of the road; the thickness allowed for the gravel outer coat is 1 inch and for the sand ½ inch. — The cost of metalling, gravelling and sanding amounts to Rs. 1,77,500 or Rs. 3,830 per mile. — The rate for metalling varies from Rs. 15-6-0 to Rs. 7-2-0 per 1000 c. feet, the rate for gravelling varies

G 4112/18

from Rs. 10-14-0 to Rs. 3-6-0 per 1000 c. feet; and the rate for sanding varies from Rs. 16-1-0 to Rs. 1-6-0 per 1000 c. feet. — In each case the difference between the rates is due to the cost of carriage.

3. Provision is made for five arch iron girder bridges across the Ramnuth, the Kunambutta, the Sholadi, the Pandalur and the Dwalapoya rivers. — Mr. Todd writes:— "I propose to adopt the same designs for the girders for the bridges as have been sanctioned for the Calicut-Vayitri Road. The roadway in each case to consist of planked flooring 13 feet wide between wheel-guards. The estimates allow for only 12 feet width of planking.

4. With reference to the Sholadi bridge Mr. Todd writes:— "At the Sholadi River a slight detour about a mile long has been made in compliance with the Chief Engr's suggestion

[illegible] para 3 of G.O. No. 3100 W of
4th December 1884, in order to
avoid the present [illegible] bridge
into the Sholadi [illegible]" —
And he adds – "The detour
works out very satisfactorily
inasmuch as not only are the
approaches to the river bed [illegible]
to a gradient of about 1 in 15,
but a capital rocky site is
secured for the new bridge."
5. With reference to the fifteen
smaller bridges it is written –
"There are 15 bridges of spans
under 30 feet for which it is
proposed to provide rolled iron
girders – of the type suggested
by the Chief Engineer for the
Calicut-Tayatri Road" – the
roadway in each instance
is to be of corrugated iron
flooring, 12 feet wide, covered
with gravel 4 inches thick.
6. As it is expected that the
greater part, if not all, of the
proposed work will be carried
out on contract [illegible]
[illegible] are considered [illegible]
per cent.

GH19
19

Rs. 41,400 are allowed for the
[illegible] while the
[illegible] in progress
which it is assumed will
[illegible] three years. The rate on
which the calculation is
[illegible] is Rs. 300 per mile per
annum – thus for 46 miles
the amount is Rs. (46 × 3 × 300),
Rs 41,400.
The sum allowed for com-
pensation for land is
Rs. 650 but subject to approval
[illegible] areas 56 57, 58 and 59 of the
[illegible] not lead to a concurrence
[illegible] S.E.IV. when he writes:—
"I think Mr. Dodd may be
mistaken in supposing that
owners will make presents of
land to the road, and that
it will be safer to raise the
total of the estimate by an
item of Rs. 7,576 on account of
unforeseen demands [illegible]
The contingencies [illegible]
form the item unforeseen [illegible] total
[illegible] contingencies [illegible] and [illegible]
shows that the charge [illegible]
[illegible] is [illegible]

BV-1883-6A

41 - 6
43 - 5
40 - 2
39 - 10
38 - 3
36 - 10

4

9. The plans and estimates have been well and carefully prepared, and the style in which the project has been submitted is, subject to approval, most creditable to Mr Todd.

BH
12/9/85

Road from Vayitri to Gudalur

I have gone over the plans & estimates and they appear to have been carefully prepared.

The estimated rates though showing considerable variations due to cartage are presumably based on data obtained from work as actually done in the District.

The compensation allowed for land to be taken up is certainly low, but perhaps the 7576 Rs. added by S.E. on account of unforeseen demands may meet any extra compensation that may be required.

The centre 12 ft only are to be metalled – with the heavy rain fall of the District I think that the whole width 16 ft should be metalled. This might be done at very little extra cost by giving a thickness of metal of 4" in the centre & 3" in the sides – Gravel & sand may then be spread [illegible]

BV-1883-6A

241 - 6
43 - 5
40 - 2
39 - 10
38 - 3
36 - 10

1

---

the centre 12 ft as allowed
in the estimate.
The check drains seem to
me to be placed further
th.n necessary from the edge
f the road. By reducing this
distance to a maximum of
10 ft to the toe of the small
b..k ample room will
be left for stacking gravel
nd the area of on which
the rainfall passes directly
n to the road will be
nsiderably diminished
– a great advantage in
nsoon time.
It is observed that perpendic
ides have been allowed
r the parts of the road
cutting – unless the
rth is very hard this
s to be objectionable
he designs of the bridges
d culverts require no
marks as designs of a
imilar kind have alrea
en approved of for the
licut-Vaythiri road.

16.9.83

C. No. 7637

P. W. Secretariat.

Note by Budget Section.

Work Improving the road from Vayitri to Gudalur

Remarks and References.

Fund Provincial
Service Head Communications
Departmental Head Original Works
Amount of Estimate ... ... Rs. 4,10,000
Expenditure in previous year ... " "
Allotment in current year ... ... " "
Balance required to complete ... " "

Total Rs... 4,10,000

Note of available funds.

Under the existing pressure of finance, the estimate can only be sanctioned for execution when funds are available. The reserve balance with Govt is Rs 4130 only

16th September 1883.

Budget Clerk.

Note by Budget Section.

2418/91

The estimates now before Govt. provide for improving, & placing in good order, the road between Vayitri & Gudalur in Wynaad; a distance of 46 miles. The estimates amount to R 4,10,000, — being at the rate of R per mile.

These estimates provide for the third & last portion of the through road between Ootacamund & Calicut. The improvement of the portion between Ootacamund & Gudalur, 31 miles, has now been nearly completed at a cost of R ; and estimates amounting to R 3,51,611 have been sanctioned for improving the portion between Vayitri & Calicut.

The estimates now laid before Govt. have been prepared in a manner highly creditable to W. A. B. Todd. The line adopted is that approved in G.O. of 18-12-84 W.3109

The gradients on the new line will be considerably easier than those on the old road; while at the same time the through distance is shortened by 2½ miles.

The points in the estimate which appear to require notice are -

(1) - The width of roadway allowed is 16 feet, of which it is proposed to metal 12 feet. The width should be increased to 18 feet, - the metalled portion remaining as proposed.

(2) The proposal to omit Check drains where the line runs through plantations is not approved.

(3) - The S.E.'s suggestion to add a sum of R 7,576 to cover the cost of

compensation for land, is approved. G 3112/29

In other respects the estimates may be approved & sanctioned, for execution when funds can be made available.

25·9·85

C.A.W.

Please draft E.W.'s note & G.O. on the lines of ~~these~~ remarks. The figures should be carefully checked.

[illegible]

27-9-85

[illegible]

214 PW

40 PW

No. 360 / E.W.

Superintending Engineer's Office,
Fourth Circle.
Coimbatore, 27th August 1885.

ZH 12/23

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P.W. Department.

Enclosures

Plans 70
Estimates 17
Genl. Abstract Estimate 1
} In a Box sent by Rail.

Report 1
Sketch map 1
List 1
} sent with the letter

91

Sir,

I have the honor to submit herewith the second of the estimates mentioned in para 7 of the late Mr. Mordmann's letter No. 278 of 25th January 1884, and referred to at para 11 of G.O. No. 524 W of 26th February 1884. The Estimate for the first of the series, the Calicut-Vayitri Road, was sanctioned in the following G.Os:-

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No. 165 W of 19th January 1885.
No. 1527 W of 1st July 1885.

2. The

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5 Large bridges having waterways varying from 50 feet to 120 feet	" 71,044
15 Minor Bridges having waterways varying from 10 to 20 feet	" 26,092
Rest Houses &ca	" 7728
Compensation for land	650
Repairs while the Improvements are in progress	" 41,400
Grand Total	Rs 402,424

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I have the honor to be,
Sir,
Your most Obedt. servant

K. Beatty
Col. R.E.,
Supg. Engineer, 1st Circle

J.K.

2. The Estimate now sub..

G.O. No 2821 W. 14. 11. 81.
" " 1417 W. 6. 6. 82.
No 395 E. 26. 9. 83.
" 311 E. 27. 8. 83.
G.O. No 3664 W. 20. 12. 83.
" " 412 I. 22. 4. 84
" " 524 W. 26. 2. 84
" " 1327 W. 1. 7. 85. orig.
" " 3043 W. 12. 12. 84 do.
" " 155 W. 19. 1. 85 do
" " 3109 W. 18. 12. 84.
" $\frac{1356 W}{A}$ d/ 10-6-85
" 155 W d/ 19-1-85

(1)

Recd 7637

From
The Superintending Engineer
Fourth Circle

Dated = 27th } August 1885
Despd. 28th }

No 360 / E.W.

Enclosures 9

Road from Vayitri to Gudalur —

Submits Estimate &c amounting to Rs 4,10,000 for the improvement of 46 miles of —

Rl 83/9

Public Works Department. —

Note by the Chief Engineer, P.W. Dept.

7 H 17/9/5

The estimates now before Government provide for — improving, and placing in good order, the road between Vayitri and Gudalur in Wynaad, a distance of 46 miles. The estimates amount to — Rs 4,10,000/- being at the rate of about Rs 8,900 per mile

2 These estimates provide for the third and last portion of the through road between Ootacamund and Calicut. The improvement of the portion between Ootacamund & Gudalur

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31 miles, has now been nearly completed at a cost of Rs 1,83,250; and estimates amounting to Rs 3,19,788 + have been sanctioned for improving the portion between Vayitri and Calicut.

+ GO No 1527 W d/ 1st July 1885
23734 d/ 12th Octr 1885

3. The estimates now laid before Government have been prepared in a manner highly creditable to Mr A B Todd. The line adopted is that approved in GO of 18th December 1884 No 3109 W. The gradients on the new line will be considerably easier than those on the old road, while at the same time the through distance is shortened by 2 1/2 miles

The points in the estimate which appear to require notice are

(1)- The width of roadway allowed is 16 feet, of which it is proposed to metal 12 feet. The width should be increased to 18 feet, the metalled portion remaining as proposed.

(2)- The proposal to omit check drains where the line ~~has~~ runs through plantations is not approved

(3)- The estimates for rest houses should be revised and reduced in accordance with the Deputy Engineer's letter No 384 d/ 24th Septr 1885.

(4)- The Deputy Engineer's suggestion to add a sum of Rs 7,5[illegible]

the cost of compensation
for land is approved

3/10/85

Public Works Department.

No. 2412 W

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 15th Octr/85

2419/27

Read the following

Letter from the S.E. IV Circle H.E. No. $\frac{360}{E.W.}$ d/ 27th Augt:/85.
Note by the Chief Engineer P.W. Department d/ Octr/85.

The estimates amounting to Rs 4,10,000, for improvements to the road between Vayitri and Gudalur, are sanctioned for execution when funds are available.

2. The remarks of the Chief Engineer should receive attention.

3. The Government concur in the Chief Engineer's commendation of the creditable manner in which the project has been

omitted by Mr. Todd.

4 The question of transferring the charge of the road to the P.W. Department, while the improvements are in progress, will be a matter for future consideration.

5 The sanction accorded in para 1 of these Proceedings has been registered as Provincial No. 149 W of 1885-86, and lassified as Communications riginal Works.

3.11.85

15/10/85

W
15/10

Desptd
22/10

S.E. IV circle, with 90 enclos:
Ex: P.W. accts with genl: abst: estimate
Trib. Dept:
Hony: Secy: Wynaad Planters

Cir

Circ. 6/16

2412/38

14.1208

7657

Govt. of (1885) Madras.

PUBLIC WORKS.

1/11/06

16/10/85

Dated

Recd.

Encl.

G.O. 15 Octr. 1885, No. 2412W

Road between Vayitri and Gudalur

Ests. for improvements to the —, sanctioned with remarks.

Sd 15/10

4