(1) பக்கங்களின் எண்ணிக்கை -24-

(2) புதுக்கித் திருப்பிய நாள் ஜனவரி [illegible] 1988.

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் [illegible]

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப் பணித் துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2192

அச்சகம்
பலவகை

நாள் : 25.8.1893. 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண, கா-1—18,006—15-6-87.

2192/W.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

From A. JOYCE, Esq., Executive Engineer, West Coast division, to the Superintending Engineer, IV Circle, dated Calicut, 23rd March 1893, No. 805.

I have the honour to forward herewith as desired the estimate with plans, sections, &c., for that portion of the Chundale-Mysore frontier road which runs from Sultan's Battery to the Mysore frontier.

2. The report, &c., gives a pretty clear account of the history of the work.

3. My first authority for commencing operations was Superintending Engineer's No. 183/W.C. of 16th April 1892 referring in it to G.O. No. 447 of 1st July 1891.

4. This, however, directed to make an estimate, &c., for the whole road, and, in obedience to those orders, operations were accordingly commenced; but when inspecting in November 1892 the Chief Engineer directed me to divide these estimates into two portions—one from Chundale to 60th milestone and the other from 60th milestone to the Mysore frontier.

5. I separated the estimate accordingly into these two portions; indeed the papers connected with the first portion are now very carefully kept in my office and it would not take any very great trouble to reduce them to due form if they were ever needed.

6. There are now actually two estimates as it were sent in. The first is for the total repair of the portion from Sultan's Battery to the frontier and amounts to the very great sum of Rs. 1,65,000, which, I am afraid, will not be sanctioned. In this are included some lump sums for bridging in two or three places. I have not prepared plans, estimates, &c., for these bridges, but, if desired, I will do so.

7. The second estimate is really a portion of the first and is for that portion of the road only which runs from 63 miles 7 furlongs to 68 miles 1 furlong. G.O. No. 3485 W. of 20th December 1892 desires only the worst portions of the road to be taken up, imagining that Rs. 50,000 will be about sufficient. From my own notes taken when going over the road and from observations I consider this to be much the worse portion. The estimate for this amounts to Rs. 51,200. I am very sorry that I could not adhere exactly to the Rs. 50,000, but I am, I trust, as close to it as the Chief Engineer will expect.

8. If he can spare the time I shall be very much obliged if he will go over both estimates and he will then be able better perhaps to determine if I have fulfilled his wishes by selecting the worst portions.

9. In conclusion, I am sorry that this estimate has been delayed some short time. This is entirely due to the length of this division. When G.O. No. 3485 W. of 20th December 1892 was received, I was away in the most northerly portion of the division, about 12 miles from the Bombay frontier. As, however, I knew that the papers were in my office, I issued orders to the head draftsman to get copies and tracings taken at

once. I was unfortunately detained in South Canara much longer than I expected by the regiment being moved, &c., but on my return to head-quarters I have despatched them as promptly as possible.

No. 124 W.

Submitted to the Chief Engineer without a very close scrutiny to avoid further delay. It is presumed that the Executive Engineer, in framing the smaller estimate, has allowed for only the really bad portions of the road.

Benhope,
27th March 1893.

(Signed) J. C. LARMINIE,
Superintending Engineer.

From Major A. W. SMART, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Barur, 21st June 1893, No. 247 E.W.

Adverting to your memorandum No. 1966 C., dated 5th May 1893, I have the honour to forward, for the sanction of Government, an estimate, amounting to Rupees 33,400, for improvements to the Chundale-Mysore road.

2. The estimate provides for repairing the bad portion of the road between Sultan's Battery (at 60th mile) and the Mysore frontier (72nd mile).

From J. M. BELL, Esq., Executive Engineer, West Coast division, to the Superintending Engineer, IV Circle, dated Calicut, 1st August 1893, No. 2611.

With reference to your No. 347 W.C., dated 10th July 1893 (but despatched 26th July, received on the 28th), I have the honour to retransmit the estimate for improvements to the Chundale-Mysore road with a data and explanation for the several points raised by the Chief Engineer.

(*a*) The cost of carriage is Rs. 3–12–0 per unit for the first mile and Rs. 2 extra for every additional mile, since it will require 10 bandies per 100 cubic feet on this class of road.

(*b*) The rate of Rs. 2–4–0 per 100 square feet of consolidation, which also includes gravel blinding, is not high in this locality. Messrs Mitchell and Mackenzie, contractors of Vayitri-Gúdalúr road, have been paid at Rs. 2–5–0 per 100 square feet.

(*c*) As the rate for consolidation includes gravel blinding, no separate provision has been made in the estimate for "gravelling." Further gravelling, 2″ thick, is useless on roads on the West Coast.

(*d*) Provision has not been made in the estimate for clearing side drains, as the grant is limited to a sum of Rs. 30,000.

(*e*) The road does not appear to have ever been metalled, as no trace of this is to be seen.

(*f*) The formation of the road itself has in some places altogether disappeared owing to the heavy rainfall together with the wear of traffic, and hence metalling for less than 6″ in depth is not likely to stand.

(*g*) A revised schedule of rates of this division is under preparation and will be submitted shortly.

(*h*) In conclusion, I have to point out that no contractor has come forward to take up metalling even at Rs. 15 per 100 cubic feet, the rate provided in the estimate for annual repairs to Vayitri-Gúdalúr road; hence I consider the rates in estimate should not be reduced.

(*i*) To avoid any further delay, I request that sanction for this work may be intimated by wire so that arrangements may be made for inviting tenders so as to utilize the grant before the current official year.

2192/25

No. 307 E.W.

Copy forwarded to the Chief Engineer, Public Works Department, with reference to his No. 2519 C., dated 5th July 1893.

I am of opinion that, considering the heavy rainfall on the West Coast, it would be a mistake to reduce the thickness of metal to less than 6″, as also to use gravel save for mere blinding. The Local Fund Engineer informed me that in order to keep parts of this road open he is obliged to use fascines. It is highly desirable that such places should be sanded before being metalled. For this I have now allowed a lump sum of Rs. 2,000. The data submitted by the Executive Engineer show that the rates cannot be reduced. In the Wynaad labour is difficult to obtain and is very costly.

The item for side drains was omitted originally in order to keep down the amount of the estimate to Rs. 30,000 or so.

Side drains, however, should, I think, be made. I have therefore allowed Rs. 2,000 for this item as a lump sum. No payments will be made either for side drains or for sanding except on actual measurements of work done.

As there is a grant of Rs. 30,000 in the budget for this work, I have now directed the collection of materials to be put in hand.

3rd August 1893.

(Signed) A. W. SMART, Major, R.E.,
Suptg. Engineer, IV Circle.

Order—dated 25th August 1893, No. 2192 W., Public Works.

The estimate, amounting to Rs. 37,400, for improving the Chundale-Mysore road in the Malabar district from the 60th to the 72nd mile, is sanctioned.

2. A sum of Rs. 30,000 has been provided for the work in the current year's budget.

3. This sanction has been registered as Provincial No. 77 W. of 1893–94 and classified as Communications, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle,
with seven enclosures.
" Examiner, Public Works Accounts.
" Local and Municipal Department.
" Honorary Secretary, Wynaad Planters' Association.
Editors' Table.

Exd. C. A. Munisawmy
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated August, 25th.

Recd.

Encl.

G.O., 25th Aug. 1893, No. 2192 W.

AUGUST.

Chundale-Mysore Road

Estimate of Rs. 37,400 for improving the -- in Malabar district from the 60th to the 72nd mile, sanctioned.

No. 805

Executive Engineer's Office,
WEST COAST DIVISION.
Calicut, 23rd March 1893

2192/7

26/3

From
A. Joyce Esqre
EXECUTIVE ENGINEER,
WEST COAST DIVISION,

To
The SUPERINTENDING ENGINEER,
FOURTH CIRCLE,
COIMBATORE.

ENCLOSURES 11.
1. Tin case of 13 Plans [illegible]
1 Specification
1 Report
2. Detailed earth work calculation
2. General statements
2 Detailed estimates
2 Do. abstracts

Sir,

I have the honour to forward herewith as desired the estimate with plans, sections, &ca, for that portion of the Chundale Maisur Frontier Road which runs from Sultan's Battery to the Maisur Frontier.

2. The report, &ca, gives a pretty clear account of the history of the work.

3. My first authority for commencing operations was Superintending Engineer's No. 183/W.C. of April 16th, 1892 referring in it to G.O., No. 447 of July 1st 1891.

4. This however directed to make an estimate, &ca, for the whole road and in obedience to those orders operations were accordingly commenced.

But

But when inspecting in November 1892, the Chief Engineer directed me to divide these estimates into two portions - one from Chundale to 60th mile stone and the other from 60th mile stone to the Maisur Frontier.

5. I separated the estimate accordingly into these two portions; indeed the papers connected with the first portion are now very carefully kept in my office, and it would not take any very great trouble to reduce them to due form if they were ever needed.

6. There are now actually two estimates as it were sent in. The first is for the total repair of the portion from Sultan's Battery to the Frontier and amounts to the very great sum of 165,000 Rs which I am afraid will not be sanctioned. In this are included some lump sums for bridging in two or three places. I have not prepared plans, estimate &ca for these bridges but if desired I will do so.

7. The second estimate is really a portion of the first and is for that portion of the Road only which runs from 63M-7F to 68M-1F. G.O. No. 3485 W of December 20th 1892 desires only the worst portions

2

portions of the Road to be taken up imagining that 50,000 Rs will be about sufficient. From my own notes taken when going over the road and from observations I consider this to be much the worse portion. The estimate for this amounts to 51200 Rs. I am very sorry that I could not adhere exactly to the 50000 Rs. but I am I trust as close to it as the Chief Engineer will expect.

2/9/93

2 Ran

8. If he can spare the time I shall be very much obliged if he will go over both estimate and he will then be able better perhaps to determine if I have fulfilled his wishes by selecting the worst portions.

papers with
Circ. [illegible]
[illegible] 6 Nov 93
[illegible]
[illegible] for
[illegible] the Chundale
Mysore Frontier
[illegible]
[illegible] for the
E.E. [illegible]

9. In conclusion I am sorry that this estimate has been delayed some short time. This is entirely due to the length of this Division. When G.O. No. 3485 W of Dec. 20th 1892 was received I was away in the most northerly portion of the Division about 12 miles from the Bombay Frontier. As however I knew that the papers were in my office I issued orders to the Head Draftsman to get copies and tracings taken at once. I was unfortunately detained in South Canara much longer than I expected by the regiment being moved &ca. But on my return to Head Quarters I have despatched them as promptly as possible.

I have the honour to be
Sir
Your most obedt Servant

A. Joyce

Executive Engineer

41

P. W. CURRENT No. 3144

P. W. D.

WEST COAST DIVISION.

25 MR 93

FROM

THE EXECUTIVE ENGINEER,
WEST COAST DIVISION.

To

THE SUPERINTENDING
ENGINEER,
FOURTH CIRCLE,
COIMBATORE.

Dated 23rd March
Despatched 31 April 1893

No. 805

ENCLOSURES 11 9 + 13 (plans)

SUBJECT.

Chundale Mysore frontier Road

Forwards plans estimates Sections &c for improvements to ——

No 124 / W

3

Submitted to the Chief Engineer without a very close scrutiny, to avoid further delay. It is presumed that the EE in framing the smaller estimate, had allowed for only the really bad sections of the road.

J Clarence
Supdg Engr

Received 27/3/93
31 – Do despd

M 3-5

3

No 247 / Rd

Supdg Engineer's office, 4th Circle,
Camp Baroor 21st June 1893.

2192/5

From,

Major A. W. Smart, R.E.,
Supdg. Engineer, 4 Circle,

To,

The Chief Engineer,
P.W. Department.

Sir,

Enclosures 6
1 Report
1 Specification
2 Statts
1 Detd Esti
1 Abstt Do.

Adverting to your Memorandum No 1966 C, dated 5th May 1893, I have the honor to forward for the sanction of Government an Estimate amounting to Rs 33,400 for improvements to the Chundale–Mysore Road.

2. The Estimate provides for repairing the bad portion of the road between Sultan's Battery (at 60th mile) and the Mysore frontier (72nd mile)

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

A W Smart Major R.E.,
Supdg. Engineer, 4 Circle

2192/6

P. W. DEPARTMENT No. 5716

From

The Supg. Engineer

Fourth circle, D.P.W.,

No. 1561 W d/ 8-6-91
" 1722 W d/ 26-6-91
" 962 C d/ 24-2-92
" 789 W d/ 10-3-92
" 1514 W d/ 16-5-92
" 1528 W d/ 19-5-92
" 3485 W d/ 20-12-92
" 302 C d/ 23-1-93
" 1966 C d/ 5-5-93

Dated 21st June/93.
Reco: 26.6.93

No. 247
CW

Encls. 6.

Chundale-Mysore Road

Forwarded for sanction of Government estimate of Rs. 33,400 for improvements to-

To
26.VI.93

T. Room

26/6/93

o.S. 119 R5/7

Mey 4

No. 2611.

Executive Engineer's office,
West Coast Division,
Calicut, 1st August 1893.

2192/9

From,

J. M. Bell, Esq.,
Executive Engineer,
West Coast Division,

5 P.

To,

The Superintending Engineer,
IV Circle.

Encls: 2.
1 Data
1 Estimate with report, specification.

Sir,

With reference to your No. 347 WC, dated 10th July 1893 (but despatched 26th July received on the 28th), I have the honor to retransmit the Estimate for improvements to the Chundale Mysore Road with a data and explanation for the several points raised by the Chief Engineer.

(a) The cost of carriage is Rs 3-12-0 per unit for the 1st mile and Rs 2 extra for every additional mile, since it will require 10 bandies per 100 cft on this class of road.

(b) The rate of Rs 2-4-0 per 100 sq feet of consolidation which also includes gravel blinding, is not high in this locality. Messrs Mitchell and Mackenzie, Contractors of Vayitri-Gudalur road have been paid at Rs 2-5-0 per 100 sq ft.

(c)

(c) As the rate for consolidation includes gravel blinding no separate provision has been made in the estimate for "gravelling". Further gravelling 2" thick is useless on roads on the West Coast.

(d) Provision has not been made in the estimate for clearing side drains as the grant is limited to a sum of Rs 30,000.

(e) The road does not appear to have ever been metalled as no trace of this is to be seen.

(f) The formation of the road itself has in some places altogether disappeared owing to the heavy rainfall together with the wear of traffic; and hence metalling for less than 6" in depth is not likely to stand.

(g) A revised schedule of rates of this division is under preparation and will be submitted shortly.

(h) In conclusion I have to point out that no Contractor has come forward to take up metalling even at Rs 15 per 100 Cft; the rate provided in the estimate for Annual Repairs to Vayitri-Gudalur Road, hence I consider the rates in Estimate should not be reduced.

(i)

(i) To avoid any further delay I request that sanction for this work may be intimated by wire, so that arrangements may be made for inviting tenders so as to utilize the grant before the current official year.

2192/8

I have &ca
(Sd) J. M. Bell,
Executive Engineer.

No. 307/E.W.

Enclos: 7.
1 Detailed Estm
1 Genl. Abst. Do
1 Report
1 Specification
1 Quarry Statemt
1 Sheet of Preparation of Road Surface
1 Data.
7

Copy forwarded to the Chief Engineer, P.W. Department, with reference to his No. 2519C, dated 5th July 1893.

I am of opinion that, considering the heavy rainfall on the West Coast, it would be a mistake to reduce the thickness of metal to less than 6", as also to use gravel save for mere blinding. The Local Fund Engineer informed me that in order to keep parts of this road open he is obliged to use fascines. It is highly desirable that such places should be sanded before being metalled. For this I have now allowed a lump sum of Rs 2000. The data submitted by the Executive Engineer shew that the rates cannot be reduced. In the Wynaad labor is difficult

to

to obtain and is very costly.

The item for side drains was omitted originally in order to keep down the amount of the estimate to Rs 30,000 or so.

Side drains, however, should, I think, be made. I have therefore allowed Rs 2000 for this item as a lump sum. No payments will be made either for side drains or for sanding except on actual measurements of work done.

As there is a grant of Rs 30,000 in the budget for this work, I have now directed the Collection of materials to be put in hand.

Major R.E.

Supg Engineer, 4 Circle.

P. W. CURRENT No. 6865

No 1561 W d/ 8. 6. 91
" 1722 W d/ 26. 6. 91
" 962 E d/ 24. 2. 92
" 789 W d/ 10. 3. 92
" 1614 W d/ 16. 5. 92
" 1628 W d/ 19. 5. 92
" 3485 W d/ 20. 12. 92
" 302 E d/ 20. 1. 93
" 1966 E d/ 5. 6. 93
" 2512 E d/ 5. 7. 93

From

The Supg. Engineer
IV Circle

Dated 3rd
Despd 4th } August 1893.
Recd 7th

No 307
E.W.

Enclosures 7.

Chundale Mysore Road

Explaining the cause of high rates for metalling the —

7-VIII-93

M. 224, R.D. 578

2192 W

Current 6865

2192/10

Note

Improving the Chundale Mysore road, Malabar District

Amount of Estimate Rs 37,400

The accompanying estimate amounting to Rs 37,400 for improving the Chundale Mysore road in the Malabar District has been resubmitted by the Supg Engineer IV Circle to whom it was sent with this office No. 2519C dated 5th July 1893 for submission of certain information & data for the following high rates.

Metalling Rs 15-0-0 per mile
Consolidating Rs 2-4-0 per 100 sq yds
Carriage of metal 3-0-0 per mile

The SE now submits an explanation from the EE with data for the high rate of metalling noticed & states that the rates cannot be reduced owing to labor in the Wynaad being difficult to obtain & very costly. He also increases the estimate by lump sum provision of Rs 4000 for sanding bad portions of the roadway & for clearing side drains which were omitted in the original estimate submitted & states that payments for these items will be made on actual measurements of work

---

August 1893.

PUBLIC WORKS DEPARTMENT.

2192/14

F THE MADRAS GOVERNMENT.

READ the following

No 124W d/ 27 March 1893
cle, No: 247 Ew dated 21st June 1893
- No: 307 Ew dated 3rd August 1893.

80

The estimate amounting to Rs 37,400, for improving the Chundale — Mysore road in the Malabar district from the 60th to the 72nd mile is sanctioned.

2. A sum of Rs 30,000 has been provided for the work in the current year's budget.

3. This sanction has been registered as Provincial No: 77 W of 1893-94 and classified as Communications, Original works.

PWB 18 8 93

JH 21.8

P. W. CURRENT No. 6865

From

The Supg. Engineer
IV Circle

Dated 3rd }
Despd 4th } August 1893.
Recd 7th }

No. 307
E.W.

Enclosures 7.

Chendale Mysore Road

Explaining the cause of high rates for metalling the ——

Ans
9-VIII-93

---

done.

From para (4) of the E.E.'s letter it would appear that the road was never metalled consequently the present estimate may be sanctioned under "Original Works" vide para 2 chap VII of the P. W. Code.

The S.E. has ordered the collection of materials in anticipation of sanction to the estimate.

15-VIII-93

PUBLIC WORKS DEPARTMENT.

No. 2192 W. 25th August 1893.

2192/14

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Supdg Engr IV circle no 124 W d/ 27 March 1893

From the Suptg Engineer, IV circle, No: 247 Ew dated 21st June 1893

Do. —— Do. - No: 307 Ew dated 3rd August 1893.

80

The estimate amounting to Rs 37,400, for improving the Chundale—Mysore road in the Malabar District from the 60th to the 72nd mile is sanctioned.

2. A sum of Rs 30,000 has been provided for the work in the current year's budget.

3. This sanction has been registered as Provincial No: 77 W of 1893-94 and classified as Communications, Original Works.

Note. It is proposed to place this G.O. on the Editor's Table

DESPATCHED
1 SEP. 93

To,

The Suptg Engnr: IV circle with 7 enclos.
" Examiner, P. W. accts.
" Local & Municipal Depts.
" Honry. Secretary Wynaad Planters association
" Editor's Table.

18.8.93

21.8

(40—2,000—18-5-93.)

Estimate for improvin
the Chundale-Mysor
road Malabar Distr

02S224
HM21-8

2192/12

C.W. No. 6865

Govt. of {1893} Madras.
PUBLIC WORKS.

~~Pend. [illegible]~~ 28/viii

Dated

Recd. Encl.

G.O. 25 Aug 1893. No. 2192 W.

Chundale-Mysore road.

Estimate of Rs 37,400 for improving the — in Malabar Dt from the 60th to the 7[illegible] mile sanctioned

10/-

D.C. 28/viii

F 28/8