(1) Number of pages 19

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(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PW DEPARTMENT

G.O. No. ~~B.P. No.~~ 3071(W) Press. ~~Mis.~~

Dated 13-12-1884 ~~198~~.

18 [illegible]

Not to be folded or roughly handled

Archives I--10,006 I -80.

3071

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

No. 603 T.J.

Report on revised estimate for metalling road No. 35 from Tiruválúr to Tiruturaipundi, Rs. 79,800.

In G.O., No. 2597 W., dated 24th October 1881, an estimate for Rs. 89,200 was sanctioned for metalling this road ; it allowed for the metalled tract being 5 yards wide and 6 inches thick. The revised estimate now forwarded allows for a breadth of 4 yards and a thickness of $\frac{5}{24}$ of a yard, or $7\frac{1}{2}$ inches for 7 miles and 6 inches thickness from $10\frac{1}{4}$ miles.

1 Detailed estimate.
1 Abstract do.
1 Comparative statement.
1 Extract from the Local Fund Board's Proceedings.
1 Specification.
1 Copy of original estimate.
1 Copy of G.O., No. 2597 W., 24th October 1881.

2. It appears that on the original sanction metal for 7 miles of road as originally allowed for (5 yards × 6 inches) was carted, but that, in September 1883, the Local Fund Board considered that a width of 4 yards was sufficient, and directed that the portion of the road for which the metal has been carted should be made with metal only 4 yards wide but with a thickness of $7\frac{1}{2}$ inches, so as to utilise all the metal carted for the 7 miles, and that for the remainder of the road, $10\frac{1}{4}$ miles, the width of 4 yards should be put down with the original thickness of 6 inches.

3. A small addition to the original rate was also necessary, owing to the increased cost of the railway charges for metal.

4. The Superintending Engineer cannot agree with the Local Fund Board that a breadth of 4 yards is sufficient for the metal of this important road, and thinks it advisable that this decision should be reconsidered. The original road is mud and sand chiefly on embankment through rice lands with a breadth of 4 yards only ; bandies passing each other must constantly go off the metalled track, and it will be impossible to maintain during heavy rains and during draughts this width of 4 yards ; the edges will constantly be worn away by bandies going off and on the track, and the width of 4 yards will be considerably reduced and valuable metal wasted.

5. He considered that as a rule metalled roads in Tanjore should be made where practicable with metal 6 yards in width, but on no account should a less width than 5 yards be allowed. He believes that, although this will of course considerably raise the first cost, it will save maintenance and prove cheaper in the end.

6. For the above reason he recommends that a breadth of 6 yards of metal with a thickness of 6 inches be given for this road, and on no account should a less width than 5 yards, the width allowed in the original estimate, be allowed.

7. Paragraph 3 of the specification is not practicable ; it will be as well to follow the standard specifications.

Trichinopoly,
17th July 1884.

(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

No. 1363 C., Public Works.

Forwarded to the Board of Revenue with the suggestion that the Local Fund Board be asked to reconsider the estimate in the light of the Superintending Engineer's remarks.

CHEPÁK,
2nd August 1884.

(By Order.)

(Signed) C. BOWEN, Major, R.E.,
Deputy Chief Engineer, P.W.D.

To the Secretary to the Board of Revenue.

Proceedings of the Board of Revenue, dated 8th December 1884, Mis. No. 11605.

Read—letter from the President, Local Fund Boards, Tanjore, dated 9th October 1884, No. 1536, and reference thereon, dated 21st October 1884.

Read—the following letter from J. B. PENNINGTON, Esq., President, Local Fund Board, Tanjore, to the Secretary to the Board of Revenue, dated Tanjore, 26th November 1884, No. 1734 :—

With reference to the Board's reference on General Register No. 7404 of 1884, dated 21st October 1884, I have the honor to state that as the work on the road was half complete, and the materials required for the reduced width had already been delivered on the remaining half of it, the Local Fund Board thought it inconvenient to alter the revised estimate. Personally I am of opinion that 12 feet of metal is quite enough for the road in question, and certainly as much as the Board can afford without great injustice to other parts of the district. I quite agree with the opinion expressed in Major Bowen's letter, No. 1486 C, dated 4th September 1884, embodied in Board's Proceedings, No. 3395, dated 26th September 1884.

Resolution—dated 8th December 1884, Mis. No. 11605.

Submitted for the orders of Government with reference to the endorsement of the Deputy Chief Engineer, Public Works Department, dated 2nd August 1884, No. 1363 C.

(True Extract.)

(Signed) C. F. MACCARTIE,
Acting Sub-Secretary.

To the Secretary to Government, Public Works Department,
with letters and enclosures, in original, to be returned.
„ President, Local Fund Board, Tanjore.

ORDER—dated 13th December 1884, No. 3071 W., Public Works.

The revised estimate, amounting to Rs. 79,800, for metalling the road from Tiruválúr to Tiruturaipundi in the Tanjore district, is sanctioned.

2. This sanction has been registered as Local No. 46 W. of 1884-85 and supersedes Local No. 32 W. of 1881-82.

(True Extract.)

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

To the Board of Revenue, with 8 enclosures.
„ Superintending Engineer, VI Circle.
„ Financial Department.

Exd. C. Howarth.
Spare Copies

3071

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1884, No. 3071 W.

DECEMBER.

Road from Tiruvalur to Tiruturaipundi, Tanjore District

Revised estimate for metalling the —, sanctioned.

BOARD'S GEN. REC. No 5725 OF 1884

No 603 T.S

Trichinopoly
17: July 1884.

Print

Report on Revised estimate for metalling Road No 35 from Trivalur to Tritapoondy; Rupees 79,800.

3071

Encls: 7
1. Detailed estt.
1. abstract Do.
1. Comparative Statement.
1. Extract from the L. F. Bd. Proceedings.
1. Specification
1. copy of original estimate.
1. copy of G.O. No 2597 W / 24-10-81.

In G.O. No 2597 W dated 24 October 1881, an estimate for Rs 89,200 was sanctioned for metalling this Road; it allowed for the metalled tract being 5 yards wide and 6" thick. The revised estimate now forwarded allows for a breadth of 4 yards and a thickness of 5/24 of a yard or 7½ inches for 7 miles and 6" thickness from 10¼ miles.

2. It appears that on the original sanction metal for 7 miles of road as originally allowed for (5 yds × 6") was carted but that, in September 1883, the Local Fund Board considered that a width of 4 yds. was sufficient and directed that the portion of the road for which the metal has been

3

carted, should be made with metal only 4 yards wide but with a thickness of 7½ inches so as to utilize all the metal carted for the 7 miles and that, for the remainder of the road 10¼ miles, the width of 4 yards should be put down with the original thickness of 6 inches.

3. A small addition to the original rate was also necessary owing to the increased cost of the Railway charges for metal.

4. The Supg Engineer cannot agree with the Local Fund Board that a breadth of 4 yards is sufficient for the metal of this important road and thinks it advisable that this decision should be reconsidered. The original road is mud and sand chiefly on embankment through rice lands, with a breadth of 4 yards only, bandies passing each other must constantly go off the metalled track and it will be impossible

to

to maintain during heavy rains and during draughts this width of 4 yards. the edges will constantly be worn away by bandies going off and on the track and the width of 4 yards will be considerably reduced and valuable metal wasted.

3071

5. He considered that as a rule metalled roads in Tanjore should be made where practicable with metal 6 yards in width but on no account should a less width than 5 yards be allowed, he believes that, although this will of course considerably raise the first cost, it will save maintenance and prove cheaper in the end.

6. For the above reason he recommends that a breadth of 6 yards of metal with a thickness of 6" be given for this road and on no account should a less width than 5 yards the width allowed in the original estimate be allowed.

Q

7. Para 3 of the specification is not practicable; it will be as well to follow the standard specifications

Lt Col R.E.
Supd. Engineer, 6th Circle.

7604/84

3071/~~15~~5

G.O B No 2597 W d/ 24.10.81
" No 245 W d/ 20.1.83
" A No 1035 W d/ 26-4-83

Chepauk
2d August/84

No 1363 C

Forwarded to the Board of Revenue with the suggestion that the Local Fund Board be asked to reconsider the estimate in the light of the Superintending Engineer's remarks

(By order)

C. Bowen. Major R.E.
Dy Chief Engineer
P.W. Depts.

To The Secretary to the Board of Revenue

O.y.S. 128/7.
O/28/7/84 P. 31-7-84

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(9)

From,

The Supt Engineer
6th Circle

To,

The Chief Engineer
P.W.D.

No 603 T.J

Dated 17th July 1884.

Enclo: 7.

7404/84

Road No 35 from Tiruvalur to Tiruturaipundy -

Forwards with his opinion the revised estimate of Rs 79,800 for metalling the -

Endorsed

3071/6

Proceedings of the Board of Revenue.

Dated 8th December 1884

No. 11605 Misc:

Read letter from the President, Local Fund Boards. Tanjore dated 9th October 1884 No. 1536 and reference thereon dated 21 October 1884.
Read also letter from the President, Local Fund Boards Tanjore dated 26th November 1884 No. 1734.

Resolution.

Submitted for the orders of Government with reference to the Endorsement of the Deputy Chief Engineer. P.W.D. dated 2nd August 1884 No. 1363 C.

(True Extract)

Ag. Sub Secretary.

To

The Secretary to Government P.W.D.
with letters & enclos: in original to be retd.

The President, L.F. Board. Tanjore.

DMCh 10250

1884.

Board of Revenue,

MADRAS.

To
the Secretary to Govt P.W.D.

No 2597 W d/24.10.81
" 1363 C d/2. 8 84
748 C d/4 9 84

Recd 10/12/84

Proceedings, dated 8th December 1884.
No. Misc:

Subject.

Submitting for the orders of Govt letters from the President, L. F. Board, Tanjore reporting on the inconvenience felt by the Local Fund Board in altering the revised Estimate of Road No. 35 in the Negapatam Circle.

No 2597 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 24th Octr 1881.

Read the following:—

From the Board of Rev. H.S. No 9119 d 8th Octr 1881.

3071/8

The estimate amounting to Rs 89,200 for metalling road No 35 from Trivalore Railway Station to the Taluq Cutcherry at Tritrapoondy in the Negapatam Circle is sanctioned.

2. This sanction has been registered as Local No 32 w of 1881-82.

Cy

To the Board of Rev: with 5 enclos ✓
" Acct Genl ✓
" Finl Dept ✓

Issued 25/10/81

14/10/81

~~Not like the [illegible]~~

No 2597 W.D / 24th Octr/81
B

2597

Q.L.S. 15/10

Circ: 15.10.81

Rt. 18.10.81

M.P. 18.10.81

D. 13.10.81

3071/9

Proceedings of the Board of Revenue

Dated 8th October 1881.

No. 9119 Miscellaneous.

Read letter from the President, Local Fund Boards, Tanjore, dated 21st September 1881 No 476, submitting for sanction an Estimate amounting to Rs 89,200 for metalling the road from Tiruvalur to Tritrapundy.—

Submitted, in original, for the sanction of Government through the Chief Engineer P.W.D.

2. The work appears as item No 23 in Part I of the current year's budget of the Negapatam Circle with an allotment of Rs 25,000.

(True Extract)

C.A. Kirchan
Ag Sub Secretary

To
The Secretary to Govt. P.W.D.
through the Chief Engineer P.W.D. with the President's letter & its 2 enclosures in original to be returned.

[illegible] Hogg

3071
10

1881.

Board of Revenue,

MADRAS.

P. W. C. No 5806

To The Secretary to Govt. P. W. D.

1/2 – 5

Recd. 10 Oct. 81

Proceedings, dated 8th October 1881.
No. 9119 Miscellaneous.

Subject.

Submitting for sanction of Government estimate for metalling the road from Truvalur to Tritrapundi in Tanjore district

O.L.S. 15/10.

Circ: 15.10.81. Rt. 15.10.81

13.10.81 M 15.10.81 20.10.81

Entd. in Receipt Regr

P. W. DEPARTMENT—1881-82.

~~MEMORANDUM.~~

Current No. 5806. 3071/1D

Rev. Pro. ~~Letter~~ Number 9119. Mis.

dated the 8th October 1881.

from the Board ~~Supg. Engineer~~ of Revenue.

Note of Remarks.

The Estimate with Specification for Metalling Road No 35 from Tivalure Railway Station to the Taluq Cutcherry at Tritapundy in the Negapatam Circle Tanjore Dist. Amounts to Rs 89,200.

The Estimate provides for Metalling 17¼ miles of Road including Railway fare, Carting &c.

A detailed data for Spreading gravel &c has been furnished.

The Rates Entered in the Estimate are Considered fair.

The Estimate has been approved of & Countersigned by the President Local Fund Board.

12th October 1881.

O.L.S. 15/10.
Circ: 15.10.81. Rtd 15.10.81

13.10.81 M 15.10.81 ?.20.10.81

R.13.10.81 R. 20.10.81

C. 25.7.84 R. 31.7.84

3071/12

Public Works Department, 1884-85.

Current No. 6067
Letter No. 603 T. J.
Dated the 17th July /84
From the S.E. VI Circle

NOTE OF REMARKS.

1. This is a revised estimate for metalling road No. 35 from Tiruvalur to Tiruturaipundi, Tanjore District, and amounts to Rs. 79,800 – or Rs. 9,400 less than the original estimate Rs. 89,200, sanctioned in G.O. No. 2597 W. of the 24th Octr./81.

2. The length of road to be metalled is 17¼ miles. The original estimate provides 15 feet width of metalling, 6 inches deep. In their Proceedings of the 15th Dec./83 the L. F. Board of Negapatam sanctioned the reduction of the metalled width to 12 feet, but as metal for 7 miles had been

Om

already collected on the data of the original estimate it was determined that the depth of metal for that length, 7 miles, should be 7½ inches in order there might be no wastage of material under the reduced width, for 15'×6" = 12'×7½". For the remaining 10¼ miles of road the depth of metal is to be 6 inches. In the latter case, after a correct sectioning of the road the first coat of metal, 4½" deep, will be laid; then a second coat 1½" deep, with a blindage of sand, ½" deep, spread on the surface.

3. S.E. VI. disapproves the proposed reduction of the metalled width of the road to 12 feet as this road, though important, is "mud and sand chiefly on embankment through rice lands". His disapproval is not confined to this individual instance for he writes, para. 5 of the Report, that — "He considered that as a rule, metalled roads in Tanjore should be made where practicable with metal 6 yards in width but on no account should a less width than 5 yards be allowed", — doubtless the nature of the soil causes the objection. It therefore remains to be decided whether metalled roads in Tanjore are to be regarded as exceptions to the ruling laid down in G.O. No. 1035 W. of the 26th April/82 and further confirmed in G.O. No. 245 W. of the 26th Jan/83, "that a metalled surface of 12 feet is ample for a first-class road".

4. The revised estimate has been countersigned by the Presdt. of the L.F. Board.

24th July/84
B.H.

W.

In G.O. of 26th April, 1882, No 1035 W., Govt accepted the opinion that a metalled surface of 12 feet is sufficient for a first-class road.

The revised Estimate for the Tiruvalur-Tiruturaipundi road now forwarded is based on this ruling, but the S.E. in his report thereon opposes the idea that a width of 12 feet — to which it is proposed to reduce the originally sanctd width of 15 feet — is sufficient for this important road, and thinks that the decision should be reconsidered.

Further S.E. is of opinion that "roads in Tanjore should be made where practicable with metal 6 yards in width, but on no account should a less width than 5 yards be allowed".

General Sankey's opinion that 12 feet width of metal is ample may no doubt be adopted as a general rule, but there must always be exceptions in which it would be unwise to limit the width to a hard and fast 12 feet.

Under the circumstances I propose to return the Estimate for reconsideration in the light of the S.E.'s remarks.

25.7.84

Yes.

28-7-84

bankment

D. 25-7-84 R. 31-7

P. W. 1884 **DEPARTMENT.**

3071/14 C No. 6067

From The Sup. Engr., VI Circle

No. 603 T. J

Dated 17-7-84

Recd. 21-7-84

J.

SUBJECT.

Road No. 35 from Tiruvalur to Tiruturaipundy — forwarding with his remarks the revised estimate of Rs 79,800 for metalling the

Disposal.

No. 1363 C.d/ 2nd Augt/84

Forwarded to the Board of Revenue with the suggestion that the Local Fund Board be asked to reconsider the estimate in the light of the Sup. Engr's remarks.

(B.O.)

sd/ C B

To The Secry to the Board of Rev.

2/8/84

G.O. A/B 25-97 W ap 24-1
" 1035 W ap 20-4
B " 245 W ap 20-1.

P. W. DEPARTMENT.

No.1486 C dated 4th. September 1884.

3071/15

CIRCULAR.

Several Estimates for metalling or remetalling roads in which provision has been made for a metalled surface varying from 12 to 18 feet in width, having recently reached this office, the undersigned is directed to invite the attention of Suptg. Engineers to G.O. dated 26th. April 1882, No.1035 W.

The Government therein accepted the opinion of the Chief Engineer that a metalled surface of 12 feet is ample for a first class country road; and whilst admitting that, in cases of exceptionally heavy traffic or in the neighbourhood of towns, it may be desirable to adopt widths of metal of 15, 18, or even 21 feet, the Chief Engineer considers that on all ordinary country roads the width above specified should be adhered to.

When the circumstances of the traffic, or locality, or steepness of gradients, are such as to justify the provision of a greater width than 12 feet, the same should be clearly set forth in the Report.

(By Order)

Major R.E.

Dy. Chief Engineer P.W.D.

The Suptg. Engrs., with copy of
G.O. No.1035 W of 1882.

Copy to the Secy. to the Bd. of Revenue.

chiefly on embankment;

in favour of [illegible])

Tanjore President's office
Tanjore 26th November 1884

BOARD'S GEN. REG. No 8579 OF 1884

No 1734

From,
J B Pennington Esquire
President
Local Fund Board
Tanjore;

3071/16

Print

To,
G. T. MacKenzie Esquire.
Secretary to the
Board of Revenue
Madras;

Sir,

With reference to the Board's reference on General Register No 7404 of 1884 dated 21st October 1884, I have the honor to State that as the work on the Road was half Complete and the materials required for the reduced width had already been delivered on the remaining half of it the Local Fund Board thought it inconvenient

for favour of countersignature)

to alter the revised estimate. Personally I am of opinion that 12 feet of metal is quite enough for the road in question and certainly as much as the Board can afford without great injustice to other parts of the District. I quite agree with the opinion expressed in Major Bowden's letter No 1486 C dated 4th September 1884 embodied in Board's Proceedings No 3395 dated 26th September 1884.

I have the honour to be
Sir
Your most obed t Servt

for President

No 3071-W

PUBLIC WORKS DEPARTMENT.

3071

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 13th Decr. /84

READ the following

Letter from the S.E. VI Circle (No 603 T.J. d/ July. 17. 1884)
Proceedings, Board of Rev. (" " 11605 Misc d/ Dec. 8. ")

The revised estimate amounting to Rs 79,800/-, for metalling the road from Tiruvalur to Tiruturaipundi in the Tanjore District, is sanctioned.

2. This sanction has been registered as Local No 46 W of 1884/85, and supersedes Local No 32 W of 1881-82.

To,
The Board of Rev. with 8 enclosures ✓
" S.E. VI Circle ✓
" Financial dept ✓
Despd 19-12-84.

(To, The Chief Secretary for favour of countersignature)

CY
10.12.84

11.12.84

3071

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13/12

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18

10230

Govt. of (1884) M. as.

PUBLIC WORKS.

Dated

Recd

Encl

G.O., 13th Dec. 1884, No. 30

Road from Tinnevelly to

Tiruchendur [illegible] [illegible]

Revised Estimate

for metalling the

sanctioned.

110/4

Reg. 50

Jd 13/12