(1) Number of pages 26
(2) Date of repair 7.11.87
(3) Initials of the Referencer Lavs

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS. DEPARTMENT

G.O. No. / ~~B.P. No.~~	2994. W	Press. / ~~Mis.~~
Dated	14. 12. 1885	~~198~~ .

Not to be folded or roughly handled

Archives I--10,006 I -80.

2994
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Lieutenant-Colonel J. L. L. MORANT, R.E., Superintendent of Works, in charge of II Circle, to the Chief Engineer, Public Works Department, dated Bezváda, 19th November 1885, No. 1662 K.S.:—

Letter from the President, District Board, Kistna, dated 28th October 1885, No. 986.
Tracing, longitudinal, and cross sections.
Detailed and abstract estimate of the road.
Do. do. of road dams.
Detailed data of rates.
Specification report.

In Public Works G.O., No. 2248 W., dated 28th September 1885, an estimate was sanctioned for metalling 8 miles of the Hyderabad and Masulipatam road between Pamarru and Wuyyur. It provided $4\frac{1}{2}$ inches of broken stone over $4\frac{1}{2}$ inches of rubble boulders. I forwarded you that estimate at the request of the Collector, and as his Board had recommended it. But in a subsequent correspondence with the President we discussed the subject, and both he and his Board now agree with me in considering that the rubble boulder course below the small broken stone is a mistake. They wish an estimate sanctioned for a layer of 6 inches of small broken stone only. This view coincides with that of General Sankey, C.B., R.E.

2. I have therefore the honor to forward, in original, the President's letter and other papers as in the margin—*vide* paragraph 1.

3. The desire is now that the estimate sanctioned in Public Works G.O., No. 2248 W., dated 28th September 1885, be cancelled, and that the estimate now submitted, amounting to Rs. 81,300, for $20\frac{1}{4}$ miles, be substituted for it. In this fresh estimate the eight miles previously estimated for are included. This estimate completes the metalling of the main road between Masulipatam and Bezváda. The cost per mile will now be only Rs. 4,014 instead of Rs. 6,209 as by the other arrangements.

4. I request the estimate sanctioned in Public Works G.O., No. 2248 W., dated 28th September 1885, be cancelled, and this estimate, amounting to Rs. 81,300, for metalling the road between Pamarru and Porankey, be substituted for it. It has been duly checked in my office.

Order—dated 14th December 1885, No. 2994 W., Public Works.

The estimate, amounting to Rs. 81,300, for metalling and improving such portion of the Masulipatam-Bezváda road as lies between Pamarru and Porankey, is sanctioned in supersession of the estimate of Rs. 49,670 sanctioned in G.O., No. 2248 W., dated 28th September 1885.

2. This sanction has been registered as Local No. 28 W. of 1885-86.

(True Extract.)

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

To the Superintending Engineer, II Circle.
" Financial Department, with five enclosures.
Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated December, 14th.

Read. *Encl.*

G.O., 14th Dec. 1885, No. 2994 W.

DECEMBER.

Masulipatam-Bezvada Road

Estimate for metalling and improving the portion of the — lying between Pamarru and Porankey, sanctioned.

No. 1662 KS

Superintending Engineer's office,
2nd Circle, Bezwada,
19th November 1885.

2994/2

From,

The Superintending Engineer,
2nd Circle,

To,

The Chief Engineer
Public Works Department.

Sir,

Enclosures: 6
1 Letter No. 286 28-10-85 from the President Dt. Board, Kistna.
1 Tracing, Longitudinal & cross section
1 Detailed & Abstract Estimate of the road.
1 Dº of road sloans.
1 Detailed data of rates.
1 Specification Report.

In P. W. G. C. No. 2248 W. dated 28th September 1885, an Estimate was sanctioned for metalling 8 miles of the Hydrabad and Masulipatam road between Pamarru and Wuyyur. It provided 4½ inches of broken stone over 4½ inches of pubble boulders. I forwarded you that Estimate at the request of the Collector, and as his Board had recommended it. But in a subsequent correspondence with the President we discussed the subject, and both he and his Board now agree with me in considering that the rubble boulder course below the small broken stone is a

mistake. They wish an Estimate sanctioned for a layer of 6 inches of small broken stone only. This view coincides with that of General Sankey C.B. R.E.

2. I have therefore the honor to forward in original, the President's letter and other papers, as in the margin. vide page 1.

3. The desire is now, that the Estimate sanctioned in R.W.G.C. No. 22484/ 23-9-85 be cancelled, and that the Estimate now submitted, amounting to Rs. 81,800 for 20¼ miles, be substituted for it. In this fresh Estimate, the eight miles previously estimated for are included. This Estimate completes the metalling of the main road between Masulipatam and Bezwada. The cost per mile will now be only 4014 instead of Rs 10,209 as by the other Agreements.

4. I request the Estimate sanctioned in R.W.G.C. No. 22484/ 23-9-85 be cancelled, and this Estimate, amounting to Rs. 81,200 for metalling the road between Pamarru and Poranky be substituted for it. It has been duly checked in my office.

2994/3

I have the honor to be,
Sir,
Your most obedient Servant,

Lieutt. Col. R.E.,
Superintendent of Works,
In charge, 2d. Circle.

Compd

No: 986

District Board Kistna
President's Office
Masulipatam.
The 28th October 1885

From.

The President, District Board
Kistna.

To.

The Superintending Engineer,
2nd Circle.

Sir,

I have the honor to forward herewith for submission to Government through the Chief Engineer an estimate for metalling that portion of Masulipatam and Bezwada road which lies between Pamaru and Porankie a distance of 20¼ miles. The estimate amounts to Rs 81,300 or Rs 4,014 a mile.

This will complete the metalling of the Masulipatam and Bezwada

* 1 Longitudinal section with cross section
1 Detailed & Abstract Estimate of the Roads
1 Do. Do. of Road dams
1 Detailed data of Rates
1 Specification Report
5 (by packet post.)

From The Superintending Engineer 2nd Circle

To The Chief Engineer P. W. D. Madras

Dated 19th November 1885

Read

Issued

No 1662 KS

Masulipatam - Bezwada Road between Pamarru & Porankie. Estimate of Rs 81,300 for metalling the — Forwards for sanction and requests to cancel the Estimate

Sanctioned in G.O. No 2248 61/85

road. This distance includes the eight miles between Pāmaru & Muyyur, an estimate for the metalling of which was sanctioned in G. O. No 2248. W. D. N dated the 28th September 1885.

That estimate was for 4½ inches of boulders under 4½ inches of broken stone and amounted to Rs 49,000~ or over Rs 6,000 a mile. The present estimate is for 6 inches of broken stone only without a boulder foundation and amounts only to a trifle over Rs 4,000 a mile

In forwarding the former estimate I urged that the boulder foundation should be adopted on the black cotton soil over which the road passes but You have seen the road since the former estimate was sent to you and have intimated to me that you are of opinion that 6 inches of broken stone metalling will answer and that this plan will give us a cheaper and better road than the other. This was also General Sankey's opinion as may be seen from Board's Proceedings No 9639 this dated the 3rd October 1881. The Local Fund Board have on your recommendation after seeing the road resolved to try the plan of metalling it with 6 inches of broken stone.

2774/5

Please ask the Chief Engineer to be so kind as to cancel the former sanction and to substitute the present estimate for that then sanctioned.

I have the honor to be.

Sir

Your most obedient Servant

A R Weld

President

Proceedings of the District Board, Kistna,
passed at a meeting held at Masulipatam
on Saturday the 24th October 1885.

2794/6

Present

Officials

M.R. Weld Esquire, Collector and President.

F.R. Robinson Esquire, Head Assistant
Collector and Vice President.

Surgeon Major J.B. Thomas, District Surgeon.

M.R.Ry B. Rajah Rao Pantulu Gar, Rao Sahib
Treasury Deputy Collector

Non-official

Reverend J. E. Padfield B.D

M.R.Ry V. Venkatachellam Pantulugar Rao Sahib

" S. Venkata Subbarayudu Pantulugar "

" K. Bramhanandam Gar "

" K. Rangadhama Pantulu Gar "

" K. Lakshminarayanappa Gar "

" P. Seshachellam naidu Gar "

" G. Parandhamudu Gar "

" T. Anjinayulu naidu Gar "

" R. Venkataratnam Gar "

" G. Ankayya Gar "

Mir Shah Sawaralli Sahib Bahadur

x x x

(7) Read letter from the Local Irrd Engineer Masulipatam Range No 1230 dated 22nd October 1885 submitting, for sanction, an estimate for Rs 81,300 for metalling the portion of the Hyderabad road between Pamarru and Poranki, a distance of 20½ miles.

Read also G.O. No 2248 W. dated the 28th September 1885 sanctioning the estimate for metalling the portion between Pamarru and Vuyyur.

The Board resolve to ask the Government to cancel the sanction of the estimate for the 8 miles of this road between Pamarru and Vuyyur. They sanction the estimate for metalling the entire distance between Pamarru and Poranki which will complete the metalling of the Bandar and Bezwada Road. This estimate is for 6 inches of broken stone only whereas the previous estimate was for 4½ inches of boulders under 4½ inches of broken stone, but the arguments of the Superintending Engineer and the experience of the metalled road from Bandar to Pamarru and Gudivada on which the boulders work to the surface have decided them to try metalling with 6 inches of broken stone only.

x x x

(True extract)

President

2994/7

S. ENGINEER'S O
No. 1407 KS
28 OCT 85

1885 Department

From

The President,
District Board,
Kistna.

To

The Superintending Engr.
II — Circle.

Station — Masulipatam.

Dated 28th October.

No: 986

Forwarding for submission to Government thro the Chief Engineer an estimate for metalling the portion of Masulipatam-Bezwada Road which lies between Pamarru and Poranky.

Encl. on 10252/85

Public Works Department, 1885-86.

2796/85

Current No. 10252

Letter No. 1407 KS

Dated the 28th November 85

From the S.E. II Circle

29744

Note of Remarks.

Forwarding estimate with drawings & levels & abides for metalling and improving that portion of the Masulipatam-Bezwada road which lies between Pamarru and Poranky - the length of road to be metalled is 20 miles 2 furlongs and as the estimate amounts to Rs 5,300 the cost per mile is Rs 2914 - The President of the Kistna District Board asks, and in this request he is supported by S.E.II., that the estimate now submitted may be sanctioned in extension of that sanctioned in G.O. No. 2248 W. of the 28th September 85 for metalling the piece of road between Pamarru and Vuyyuru for which work provision is made in this case on 2nd lines.

CHIEF ENGINEER'S OFFICE
No. 1401 Rds
30 OCT 85

1885 Department

From

The President,
District Board,
Kistna.

To

The Superintending Engr.
II — Circle.

Station — Masulipatam.
Dated 28th October.
No: 986

Forwarding for submission to Government thro the Chief Engineer an estimate for metalling the portion of Masulipatam-Bezwada Road which lies between Pamarru and Poranky.

Public Works Department, 1885-86.

2996/8

Current No. 10252
Letter No. 982 S.E.
Dated the 28th October 85
From the S.E. II Circle

29747

Note of Remarks.

Pl. Forward estimate with remarks as to levels provides for metalling part only embracing that portion of the Masulipatam-Bezwada road which lies between Pamarru and Poranky - the length of road to be metalled is 20 miles 2 furlongs and as the estimate amounts to Rs 81,300 the rate per furlong is Rs 4014 :- The President of the Kistna district L.F. Board asks, and in this request he is supported by S.E.II., that the estimate now submitted may be sanctioned in extension of that sanctioned in G.O. No. 2248W of the 28th September 85 for metalling the piece of road between Pamarru and Nuzvid for which back provision is made in this case on 2 cart lines.

2. In their preparation of it the framers of the estimate have been guided by the opinion expressed by E.W. in Mems. No 53 of the 15th August 88 on the subject of the thickness of metal requisite for the road in question and have adopted a thickness of 5 inches which he considered "should be ample." — The road is to be embanked to a height of 1½ feet when passing through dry cultivation, and to a height of 2½ feet when passing through wet cultivation. The top width of road is to be 18 feet, the center 12 feet being metalled to a thickness of 5 inches. Over the broken stone metalling (the stones being about the size of 1½ inch cubes) a blindage of red earth, about ½ inch thick, is to be spread. Side drains are provided. A steam roller is to be employed on the roads surface. Road dams are the only description of masonry work for which provision is made.

2994/9

and for which apparently there is any need — Two road dams are to be constructed at an estimated cost of Rs. 1995.

3. The estimate, survey and levels have been prepared with care and, subject to a hypothetical, there can be little doubt that if the work proposed be fairly carried out on the lines indicated in them the result will be satisfactory.

4. When forwarding this estimate the Resident of the L.F. Board omitted, probably an oversight, to countersign any of the documents submitted. —

Rates are fair.

D.W. For orders whether No estimate need be submitted.

Cr 12.12.85

4th December 85

J.S.K.

It appears doubtful if 6" broken stone will answer as a raised 2994/11 coat of black cotton soil when the traffic is at times very heavy: but it seems that the road from Bandar to Pamalur & Sedawada has been metalled with boulders & found not to be a success.

The estimate is recommended for sanction

Sd
7/12/85

Note of the papers has been signed by the Member L. & Board.

Sd
7/12/85

Sanction. Sd
7-12-85

B.P. Clerks

2994/W 14 DEC PUBLIC WORKS DEPARTMENT. 2994/12

OF THE MADRAS GOVERNMENT.

UNDER date the 14th Decr 85

READ the following

Lr. H. E. No: 1862 K. S. dy 19th November 1885.

The estimate amounting to Rs. 81,300, for metalling and improving such portion of the Masulipatam-Bezvada road as lies between Pamarru and Polankey, is sanctioned in supersession of ~~and it supersedes~~ the estimate of Rs. 49,670 sanctioned in G. O. No: 2248 W dated 28th September 1885.

2. This sanction has been registered as Local No: 28 W of 1885-86.

Sd
10/12/85

Sd
14/12/85

Sd
10-12-85

Cir
10/12

B+R
Works

W. 2994 W

14 DEC

PUBLIC WORKS DEPARTMENT.

2994
12

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th Decr 85

READ the following

From the Supdg. Engineer II Circle. M. E. No: 1662 K. S. dy 19th November 1885.

The estimate amounting to Rs. 81,300, for metalling and improving such portion of the Masulipatam-Bezvada road as lies between Tamarru and Coranky, is sanctioned in supersession of ~~and it supersedes~~ the estimate of Rs. 49,670 sanctioned in G. O. No: 2248 W dated 28th September 1885.

2. This sanction has been registered as Local No: 28 W of 1885-86.

10/12/85

Dcrd 19/12/85

To The Supdg. Engr. II Circle
Financial Deptt with 5 encls.
(~~To The Chief Secretary for favor of~~
~~counter-initials~~)

14/12/85

10.12.85

10/12

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14/12
for Digital

Circ. 11/12/85

10254

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated 17th Dec 1885

Recd. Encl.

G.O. No. 2992 dated 16th Dec 1885

Masulipatam - Bezwada

Road.

Estimate for metalling & improving the portion of the — lying between Samarla and Kanuru, Kistna

60/4

1415/86