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(1) Number of pages 20

(2) Date of repair 15-7-87

(3) Initials of the Referencer Lms

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No. 2567 W
B.P. No.

Press.
Mis.

Dated 14.9.1883

1971.

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Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from G. T. WALCH, Esq., Officiating Superintending Engineer, First Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 25th August 1883, No. 234 V.Z.:—

I have the honor to forward, herewith, letter* to you from the President of the Local Fund Board, Vizagapatam, with its enclosures and estimate, countersigned by me, for Rs. 16,200, for "completing road from Párvatipur to Chollapatam."

1 Plan.	1 Abstract Estimate.
1 Detailed Estimate.	1 Specification.

* No. 558, dated 24th July 1883.

Note by the Chief Engineer, Public Works Department.

The plan and estimate are submitted for the sanction of Government.

2. It is noticed that a width of 15 feet of metalling is provided for, but the Chief Engineer considers that a four yards width will be ample for a road of this class, and should be adopted. A saving will be effected thereby.

3. The thickness of metal on the first mile should be the same as on the other miles, viz., 6 inches. There is no apparent reason for a thickness of only $4\frac{1}{2}$ inches having been provided for this particular mile.

4. It will be sufficient, will give good results, and be more economical, if the metal is properly broken to $1\frac{1}{2}$ inches cubes instead of 1 inch as specified.

5. A thickness of $1\frac{1}{2}$ feet of good masonry to the low piers and abutments of the three road culverts should suffice, and plastering stone in chunam is a needless expense and objectionable as it conceals bad work.

Chepauk, 14th September 1883.

(Signed) R. H. SANKEY, Major-General, R.E., Secretary to Government, P.W.D.

Order—dated 14th September 1883, No. 2567 W., Public Works.

The estimate, amounting to Rs. 16,200, for completing the road from Párvatipur to Chollapatam, in the Vizagapatam District, is sanctioned.

2. The attention of the Local Fund Board should be called to the remarks of the Chief Engineer above recorded.

3. This sanction has been registered as Local No. 29 W. of 1883-84.

(True Extract.)

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

To the Board of Revenue, with six Enclosures.
" Superintending Engineer, First Circle.
" Accountant-General.
" Financial Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated September, 14th.

Read.

Enel.

G.O., 14th Sept. 1883, No. 2567 W.

SEPTEMBER.

Road from Parvatipur to Chollapatam

Estimate for completing the —, in the Vizagapatam District, sanctioned with remarks.

2567

26TH APRIL 1882, No. 1035 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 87.

READ—the following Proceedings of the Board of Revenue, dated 26th October 1881, No. 9462 Miscellaneous.

Read—letter from the President, Local Fund Boards, Godávari District, dated 5th September 1881, No. 74.

Resolution—dated 26th October 1881, No. 9462.

With the foregoing letter the President submits two statements, one showing works sanctioned by the Local Fund Board of the Cocanada Circle, and the other those by the Ellore Circle Board.

2. The Cocanada Circle statement contains 19 items with an aggregate allotment of Rs. 75,426, of which Rs. 74,320 are chargeable to the Road and Rs. 1,106 to the General Funds of the Circle. Allotments, amounting to Rs. 5,080, are sanctioned for the works noted in the margin.

No. in List.	Name of Work.	Allotment.
	ROAD FUND BALANCE.	
	New Works—Communications.	
1.	Metalling a street at Kapileswarapuram village and constructing side channels to it	RS. 300
2.	Constructing a road in a punta leading to the village of Pasarlapudi from Muktashwaram road ...	70
4.	Constructing a bridge between 17th and 18th miles of Rajanagaram and Pendapur road	370
11.	Constructing a culvert at Tuni ...	190
14.	Constructing roads in Rámachandrapuram village	140
18.	Constructing a road to Katravulapalli from 3rd mile of road from Juggampett to Pendapur ...	1,050
	Repairs—Communications.	
3.	Repairing a bridge near Kovuru lock over the Yeleru river ...	800
	Do. near Ramaswaram over do. ...	730
6.	Repairing the L. F. boat No. 266...	160
13.	Re-gravelling the village roads of Dowlaishweram	800
		4,610

3. The Board sanction the estimate, amounting to Rs. 1,050, for constructing a road to Katravulapalli from 3rd mile of road from Juggampett to Pendapur, and note that the inhabitants concerned have paid a moiety of the cost.

4. Estimates for the four undermentioned works will be submitted for the sanction of Government through the Deputy Chief Engineer, Public Works Department. On receipt of sanction the Board will allot the requisite funds:—

		RS.
1.	Re-gravelling the road from Bickavole to Rámachandrapuram	22,610
2.	Metalling the road from Cocanada to Nelapalli ...	20,230
3.	Re-gravelling the road from Alamur to Tapeswaram...	11,470
4.	Gravelling and metalling the road from Amalapuram to Yedurlanka ...	15,400

No. in List.	Name of Work.	Allotment.
	GENERAL FUND BALANCE.	
	New Works—Miscellaneous Public Improvements.	
10.	Raising a hedge around the cart-stand near Padagaya at Pithápuram	Rs. 20
	Repairs—Civil Buildings.	
8.	Repairing choultry at Pithápuram near Pudagaya	300
14.	Repairing the travellers' bungalow at Tuni	150
		470
	Grand Total ...	5,080

6. The allotments specified in the Ellore Circle statement are sanctioned, Rs. 6,460 from the Road and Rs. 225 from the General Fund balance of the Circle. The President will submit for Board's sanction, Estimates for Items Nos. 3 and 4.

(A true Extract.)

(Signed) C. D. MACLEAN,
Acting Sub-Secretary.

To the Secretary to Government, Public Works Department,
through the Deputy Chief Engineer, Public Works Department, with four Estimates.

No. 87-A.

MEMORANDUM—dated 9th November 1881, No. 2620, Public Works.

Proceedings of the Board of Revenue, dated 26th October 1881, No. 9462 Mis.

In returning the four estimates forwarded with the Proceedings above quoted, the undersigned has the honor to make the following remarks.

2. It is impossible for this office to express an opinion worth having upon these estimates from lack of sufficient information, viz. :—

I.—Distances and rates of haulage are not given for each mile or furlong.

II.—It is not stated how the roadway is brought up to proper transverse section where required, or whether the rate covers this work.

III.—Gravel and metal are estimated to cost the same amount per cubic yard.

3. If metal is as cheap as gravel why not use metal throughout? For instance, in the estimate marked No. 5 it is proposed to use 6 inches of metal with 5 inches of gravel over it. Why use so much of the inferior material when the superior is the same price.

4. It is not stated whether the metal is consolidated or not.

5. Over a layer of metal 6 inches thick a screening of not more than 1 inch of gravel is required.

6. The width of the metalling is excessive, a hard consolidated metalled surface of 12 feet is ample for a first-class road.

7. The difference in cost between 12 and 15 feet widths of roadway should be saved.

8. It is noticed that the estimate for gravelling and metalling the road from Bickavole to Rámachandrapuram does not bear the countersignature of the President of the Local Fund Board.

(By Order.)

(Signed) ROSS THOMPSON, Lieut.-Col., R.E.,
Deputy Chief Engineer P.W.D.

To the Secretary to the Board of Revenue, with five enclosures returned.

No. 87-B.

READ—the following Proceedings of the Board of Revenue, dated 29th March 1882, No. 2581 Miscellaneous.

Read—the following letter from the President, Local Fund Boards, Godávari, to the Secretary to the Board of Revenue, dated 27th February 1882, No. 31.

In reference to the Board's Proceedings of the 25th November last, Miscellaneous No. 10,189, I have the honor to submit copy of a letter from the Local Fund Engineer, Cocanada Circle, dated 22nd instant, No. 2661, with its seven enclosures,* which will supply the information asked for by the Deputy Chief Engineer, Public Works Department, regarding the roads therein alluded to.

* To be returned.

Resolution—dated 29th March 1882, No. 2581 Miscellaneous.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memorandum dated 9th November 1881, No. 2620.

(True Copy and Extract.)

(Signed) E. GIBSON,
Acting Sub-Secretary.

To the Chief Engineer, Public Works Department, with seven enclosures.

No. 88.

ORDER—dated 26th April 1882, No. 1035 W., Public Works.

The Government accept the opinion of the Chief Engineer that a metalled surface of 12 feet is ample for a first-class road, and accordingly sanction the undermentioned estimate, which has been reduced from Rs. 21,000 to Rs. 16,380 :—

	Rs.
Re-gravelling the road from Bickavole to Rámachandrapuram—amount sanctioned	16,380

2. A similar reduction in the estimate for gravelling and metalling the road from Alamur to Thapeiswaram has not been made, as the detailed quantities have not been furnished, but a revised estimate providing for only 12 feet width of roadway should be submitted.

3. The sanction accorded in paragraph 1 of this order has been registered as Local No. 2 W. of 1882-83.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Board of Revenue, with seven enclosures.
,, Accountant-General.
,, Financial Department.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras
PUBLIC WORKS.

To

The BOARD of REVENUE

Dated April, 26th

Issued

Recd.

G.O., 26th April 1882 No. 1031 W.

APRIL
Nos. 87-88.

Road from Berhampur to ... puram, ... District. Sanctions with remarks the reduced estimate of Rs. 10,860 for re-gravelling the—

Sanction the estimate calling attention to remarks (as follows) in note of Chief Engineer

as to the width of metalling will be ample (~~sufficient~~) for a road of this class & should be adopted, widening it [illegible] effected thereby.

The thickness of metal on the 1st mile should be the same as on the other miles, viz 6 inches. There is no apparent reason for a thickness of only 4½ inches having been provided for this particular mile.

It will be sufficient, all [illegible] good results, & be more economical if the gravel is properly beaten to 1½" [illegible] instead of 1 inch as specified & a thickness of 1½ ft. ~~bottom~~ of good masonry to the [illegible] ~~[illegible]~~ been [illegible] abutments of the 3 [illegible] culvert should suffice; & plastering stone in chunam is a needless expense & objectionable as it conceals bad work.

[initials]
3/9

Public Works Department, 1883-84.

2567 W

Current No. 4473

Letter No. 234 V

Dated the 25th August 83

From the Supdg. Engr. 1st Circle

NOTE OF REMARKS.

1. The plans and estimate herewith submitted are for the completion of the road from Paravatipur to Chollapatnam. The estimate amounts to Rs 10800.

2. The cross section of the first mile gives a width of 18 feet, the centre 15 ft. metalled to a depth of 4½ inches with a berm on either side of 1½ ft, and over the entire breadth a coating of 1½ inch depth of gravel. The cross section of the remaining six and a half miles differs from the above only in having a depth of 6 inches of metal.

3. The disregard of G.O. No. 1035 W. of 26/4/82 (confining the breadth of metalling to 12 ft.) shown in the estimate has not been explained, it may perhaps be that the former portion of the road has a metalled width of 15 ft.

4. The estimate provides for 3 culverts of 3 vents and each [illegible] 4 ft. span; 3 culverts of 1 vent, 3 ft span; 17 culverts of 1 vent 2 ft span; 1 causeway 120 ft in 1½ [illegible]. In the case of the [illegible] length it is difficult [illegible] plan with estimate.

No. 234 V.Z

FROM, THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO, THE CHIEF ENGINEER
~~FOR IRRIGATION~~.
Public Works Department

Enclosures-5
1 Plan
1 Detail estimate
1 Abstract
1 Specification

DOWLAISHWERAM, 25 August 1883

SIR,

1 Rec. 558 of 24-7-83

I have the honor to forward herewith letter to you from the President of the Local Fund Board Vizagapatam with its enclosures and Estimate, Countersigned by me for Rs 16200 for "Completing Road from Parvatipur to Chodavaram to Vizagapatam".

I have the honor to be
Sir
Your most Obdt Servt

Asst to
Offg Supt Engr 1st Circle

Comp'd 7

5 Their specification has not been written with sufficient care. Metalling is treated as though it's depth throughout is 9 inches, while its depth on 82 miles out of 97 miles, is 12 inches. It would be well if it treated of the road done.

6 No provision has been made for mile stones though it is possible these stones were fixed in the first laying out of the road.

7 This estimate has been approved by the President of the Board, Vizagapatam.

1st Supt/83
1358

6/2567

P. W. D. 2355
to 2358/83

Chicacole 14 Sept/83

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

The plans and estimate are submitted for the sanction of Government.

2. It is noticed that a width of 15 feet of metalling is provided for, but the Chief Engineer considers that a four yards width will be ample for a road of this class, and should be adopted - a saving will be effected thereby.

3. The thickness of metal on the first mile

From The Supt Engineer
1st Circle

To

The Chief Engineer
P. W. Department.

Dated 25
Despd 25 August/83
Recd 31

No 2345
Enclosure 5

"Completing Road from Parvatipur to Kollapatam" — Letter from the President L. F. Board Vizagapatam & the Estimate for — Forwards —.

P. 1035 — 26.4.82

P.W.D. 8/9 R 9/9
Cir 8/9 R 9/9
Vizag 8/9 R 13/9

miles should be the same as on the other miles, viz: 6 inches. There is no apparent reason for a thickness of only 4 ½ inches having been provided for this particular mile.

4. It will be sufficient, will give good results, and be more economical, if the metal is properly broken to 1½" cubes instead of one inch as specified.

5. A thickness of 1½ feet of good masonry to the low piers and abutments of the three road culverts should

suffice

suffice, and plastering stone in cement is a needless expense and objectionable as it conceals bad work.

Ch [illegible] 6-1-63. CJ 6/4

8/1867

8 P.W. B.T.P. Works

No 25-670 PUBLIC WORKS DEPARTMENT. 9/256

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th September 83

READ the following

From the Supdg Engr 1st Circle (M.E. No 2347 Dg 25 Augt 83)
Note by the Chief Engineer, P.W. Department
dated 14th September 1883.

The estimate amounting to Rs 16,200, for completing the road from Parvatipuram to Challapadam, in the Vizagapatam District, is sanctioned.

2. The attention of the Local Fund Board should be called to the remarks of the Chief Engineer above recorded.

3. This sanction has been registered as Local

&c

10/2567

No. 29 R of 1883-84.

Cy 10/9/83 Cy 6/9

— Post

Dead 20/7

To

The Board of Revenue
with b. Cir. V

" Lupeshanga 1st Circle

" Accountant General

" Financial Secretary

Dft W

Cy 8/9 R 11/9

Govt. of (1883) Madras.

PUBLIC WORKS.

Debit

Rem. Encl.

G.O. 16 September 1883 No. 2567

Nos.

Road from Perambakam
to Cholapatnam

Estimate for Completing
the ——— in Ch.
Vijayapatnam District,
Panchayat Works

657
——
5

Submitted Recpt Rejected