M.R.O. 1—77,006—8-6-37.

(1) Number of pages _____

(2) Date of repair 16.2.64

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 510 Press Mis.

262-63

Dated 14 2 1870 .

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 14th February 1870.

No. 262. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Karinjipadi, 15th January 1870, No. 173 :—

1 Revised Estimate.
1 Comparative Statement.

I HAVE the honour to forward a revised estimate of Rupees 3,965 for constructing a bridge of two arches of 30 feet span over the Vasudavanur River, in the 158th mile of the Cuddalore and Salem road, in the South Arcot District. This exceeds the amount sanctioned for the bridge in the Order of Government of the 18th of December 1865, No. 3,795, by Rupees 765, for which sum the sanction of Government is solicited from the reserve of 1870-71.

2. In the Order above quoted, six bridges on the Cuddalore and Salem road were sanctioned at a total cost of Rupees 17,310. They have now all been completed. There was a saving of Rupees 518-14-10 on the estimates of five of the bridges, so that the sanctioned amount has been exceeded by only Rupees 246.

3. The piers and abutments of the bridge in the 158th mile have been built half a yard higher than was at first intended, and the floods of the past year showed that the additional height was not unnecessary. The foundations of this bridge also cost more than the sum allowed. The rates allowed in the estimates of the six bridges, though they have been proved to be sufficient, are very moderate, and I consider the bridges have been cheaply built.

No. 263. ORDER THEREON, 14th February 1870, No. 510.

CIVIL WORKS, No. 31.

	RS.
* Total expenditure	17,556
Amount sanctioned in G. O., No. 3,795, dated 18th December 1865	17,310
Net Excess ...	246

AS IT appears that the whole of the bridges sanctioned in G. O., No. 3,795, of the 18th December 1865, have been completed, the Controller of Public Works Accounts is authorized to pass the expenditure* which has been incurred on them. The excess outlay being below Rupees 500, no supplementary grant is necessary under paragraph 90, Chapter II. of the Manual of Public Works Accounts.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 5th Division.
,, Controller of Public Works Accounts.
,, Accountant-General.

Exd. F. R. Bantleman.

Communications.

South Arcot District.

Fifth Division D.P.W.

No. 3 Range

Original Works.

Hallacoorchi Tolay.

Comparative Statement shewing the difference between the Original and Revised Estimates for Constructing a Bridge of 2 Arches each of 30 feet Span over the Vasadavanoor River on the 158th mile of the Road between Hallacoorchi and Salem frontier.

Description of Work	Units	Original Estimate Quantities	Original Estimate Rates	Original Estimate Amounts	Revised Estimate Quantities	Revised Estimate Rates	Revised Estimate Amounts	Increase Quantities	Increase Amounts	Decrease Quantities	Decrease Amounts	Balance	Remarks
Rough Stone in chunam	Cyds	"	"	"	232 3/8	2	" 464 12	232 3/8	464 12	"	"		× Rough Stone in chunam substituted for brick in chunam in the foundations of abutments.
Brick work in chunam	Cft	3395	"	19 371 53	3584 1/4 ×	"	19392 5	189 1/4	20 11 2	"	"		
do do	do	18093	"	16 1696 6	14534	"	16 13629	"	"	3559	333 136		
do do	do				1252 1/2 ×	"	2 1669	1252 1/2	156 9	"	"		
Plastering with 2 Coats of Chunam	Sqrs	64 1/2	2 8	161 4	69	2 8	172 8	4 1/2	11 4	"	"		× This increase is caused by an additional height given to abutments & pier.
Digging foundation, temporary dam and baling		"	"	100	"	"	"	"	"	"	100		
Excavating foundation (Earth work)	Cyds	"	"	"	235	5	737	235	737	"	"		
do do	do	"	"	"	583	"	36 12786	583	127 86	"	"		
do do	do	"	"	"	147	"	2 186	147	186	"	"		
Widening River padsogay (do)	do	"	"	"	140 5/8	"	16 1321	140 5/8	1321	"	"		
Earth work for approaches	do	5500	"	1 343 12	5213 1/2	"	13 40741	"	6381	"	"		
Metalling	do	375	"	4 93 12	"	"	"	"	"	375	93 12		
Guard Stones	No.	"	"	"	4	1	" 4	4	4	"	"		
do	do.	"	"	"	2	2	" 4	2	4	"	"		
Granite Slabs with inscriptions engraved	do	"	"	"	6 ×	54	" 324	6	324	"	"		5 of these Slabs are fixed on the other 5 bridges on the same road.
Centring		"	"	300	"	"	"	"	"	"	300		
Brick in clay for centring	Cft	"	"	"	2769	"	1 4230 12	2769	230 12	"	"		
Wooden boxes	No	"	"	"	8	2 6	19	8	19	"	"		
Palmyrah posts	do	"	"	"	60	1 12	105	60	105	"	"		
				3066 79			38741 58		1636 15		82796		
				133 83			90 4		" "		43711		
Sundries and Superintendence				*									
Total Amount of Estimate Rs				3200			3965		1636 15		871 15	765	

Balance requiring Sanction ——— 765

* Sanctioned in G.O. No. 3795 dated 18th December 1865

Superintending Engineer's Office

E A Ford Colonel AE
Superintending Engineer 5 Dn

Communications.

South Arcot District.

Fifth Division D.P.W.

No: 3 Range.

Original Works

Kallacoorchi Taluq.

Abstract of a Revised Estimate of 1869-70

Work. Constructing a Bridge of 2 Arches each of 30 feet span over the Vasadavanoor River on the 158th Mile of the Road between Kallacoorchi and Salem frontier.

Quantities	Description of Work	Rate	Per	Amount	Total
232 3/8	Cub. yds of Rough Stone in chunam	2	"	Cyd	464 12
1252 1/2	Cub. ft of Brick in chunam	"	2	Cft	156 9
3584 1/4	do of do do	"	1 9	do	392 5
14534	do of do do	"	1 6	do	1362 9
69	Squares of Plastering with 2 Coats of Chm	2	8	Sqre	172 8
235	Cub. yds of Earth work	"	5	Cyd	73 7
583	do of do	"	36	do	127 8 6
147	do of do	"	2	do	18 6
140 7/8	do of do	"	1 6	do	13 2 1
5213 1/2	do of do	"	13	do	407 4 10
4	Guard Stones	1	"	Each	4 " "
2	do	2	"	do	4 " "
6	Granite Slabs with inscriptions engraved	54	"	do	324 " "
2769	Cubic ft of Brick in clay for Centreng	"	14	Cft	230 12 "
8	Wooden boxes	2	6	Each	19 " "
60	Palmirah posts	1	12	do	105 " "
					3874 15 8
	Sundries and Superintendence			90 " 4	3965 " "
	Deduct the amount Sanctioned in G.O. No: 3795 dated 18th December 1866				3200 " "
				Balance requiring Sanction	765 " "

No: 3 Range Office South Arcot
Kallacoorchi 9th November 1869

/Signed/ George C. J. Barnard B.A.
Assistant Engineer

Ed Mrd Colonel R.E.
Superintending Engineer 5th Dn.

25

Fifth Division D.P.W.

South Arcot District.

Pl. 1.21/70

Comparative Statement
Shewing the difference between
the Original and Revised
Estimates for Constructing a
Bridge of 2 Arches each of 30ft
Span over the Vasadavanoor
River on the 158th Mile of Road
between Kallacoorchi and
Salem frontier.

No 173

Superintg: Engineer's Office, 5th Division,
Kaveripadi 15th January 1870.

From,

Colonel E. A. Foord, R.E.,
Superintg: Engineer, 5th Division.

To,

Colonel Charles A. Orr, R.E.,
Secretary to Government,
Public Works Departt.

Sir,

I have the honor to forward a revised estimate of Rupees 3,965. for constructing a bridge of two arches of 30 feet span, over the Vaaid avanur river, in the 158th mile of the Cuddalore and Salem road, in the South Arcot district. This exceeds the amount sanctioned for the bridge in the order of Government of the 18th of December 1865, No 3795, by Rupees 765, for which sum the sanction of Government is solicited from the reserve of 1870-71.

Enclosures 2.
Revised estimate
Comparative Statement.

2. In the order above quoted six bridges on the Cuddalore and Salem road were sanctioned at a total cost of Rupees 17,310. They have now all been completed. There was a saving

To
The Divisn P. W.
South Arcot District

No 21/73

Abstract of a Revised Estimate for Constructing a Bridge of 2 Arches each of 30 feet Span over the Vandavanum River on the 158th Mile of Road between Kallacoorchi and Salem Frontier.

Amount of Estimate Rupees 3965.

of Rupees 5 18 14 10 on the estimates of
five of the bridges, so that the sanctioned
amount has been exceeded by only
Rupees 246.

3. The piers and abutments
of the bridge in the 158th mile have
been built half a yard higher than
was at first intended, and the floods
of the past year shewed that the
additional height was not unnecessary.
The foundations of this bridge also cost
more than the sum allowed. The rates
allowed in the estimates of the six
bridges, though they have been proved
to be sufficient, are very moderate,
and I consider the bridges have been
cheaply built.

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

E A Ford Colonel R.E.,
Superintending Engineer.

Public Works Department.
No 570
Proceedings of the Madras Government.
Under date the 14th July 1870
Read the following.

From. The Superintending Engineer S.H.E. No 173 of 13th January 1870

5th Division

Asking that the bridge over the Vasso-davanur river may be sanctioned in G.O. No 3795 of the 18th Dec. 1865

Collector - 244

Controller of Public Works

Account is authorized to have the expenditure which has been incurred on them - The cost

+ Total estimate - Rs 17,350.
Amount sanctioned in G.O. No 3795 of 18th Dec. 1865 ... 17,310
Collector ... 244

Rs 17,554

outlay being below Rs 500 no supplementary grant is necessary

Public Works Department.
No 570
Proceedings of the Madras Government.
Under date the 14th July 1870
Read the following.

From. The Superintending Engineer S.H.E. No 173 of 13th January 1870

5th Division

To, The Secty: to Government P. W. Department Madras

Dated 15th January 1870
Recd: 19

No 173.

Enclosures 2.

Bridge over the Vasso-davanur river.

Forwarding for sanction a revised estimate of Rupees 3,965 for constructing a bridge over the Vassodavanur river on the Cuddalore and Salem road in South Arcot.

No 570 - 14 July 1870 -

No 262

Recd 24 Jany 1870 R. Bud Feby

Allowed

under para 90 Chapter
II of the Manual of
Public Works Accounts.

1/

To

The S. Engr 5th Dn
Comb Stev
Acctt Genl

Recd 15/2/70.

Cue 221

Cobt. of {1870} Orders.

PUBLIC WORKS.

To
The Superintending Engineer
5th Division

Dated

Rec'd 14 Feb 1870

Nos. 262-263

Bridges Commission to enable him
to carry the Sewell Extension
Railway over certain bridges on
the Cuddalore & Salem road.