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MADRAS RECORD OFFICE.

Government of Madras.

General Order DEPARTMENT.

G.O. No. <i>21427</i>	Press -Misr-
Dated <i>7-8</i>	1867.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
9th August 1867.*

No. 234. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Department Public Works, dated Bangalore, 27th July 1867, No. 81:—

1 Plan } by banghy.
1 Survey }
1 Abstract Estimate.
1 Specification.
1 Copy of letter from Collector with Traffic Return

1. I have the honor to forward, for the sanction of Government, an estimate of Rupees 44,800, accompanied by a plan and specification for a bridge across the Vellaur on the coast road from Pondicherry to Negapatam.

2. An estimate of Rupees 35,020 was sanctioned for this bridge in August 1856, and the preparation of materials was commenced in 1857, but the mutiny put a stop to the work. The necessity for this bridge has several times since then been brought to the notice of Government, and in G. O. of the 20th of October 1862, No. 2,498, the entry of the estimate in the Budget was again authorized, but up to this time nothing has been done.

3. The Vellaur is now the only unbridged river, either in the English or French territory, on the coast road between Pondicherry and Negapatam. The obstruction caused by it to the traffic is not limited to the time of freshes, for the river is tidal for some distance beyond the road, and the water is never less than four feet deep at the crossing.

4. It is only with the greatest difficulty that loaded bandies are dragged through the water and up the high bank on the south side. Usually the bandies have to be unloaded before they can be taken across. The river, in its present state, is an obstruction not only to the traffic between the large towns of Pondicherry, Cuddalore, Chellumbrum, Tranquebar, and Negapatam, but cuts off the entire talook of Chellumbrum from Porto Novo, whence the produce of that fine talook is exported.

5. The estimate now submitted has been prepared since I carefully inspected the site in May. The set of the stream being against the south bank, that bank has been much cut away during the last twelve years, and the breadth of the river at the crossing is greater than when the first estimate was made. I have not, however, found it necessary to add to the length of the bridge, as the interval between the abutments is greater than the breadth of the river half a mile above the road, where the bank is high on both sides. I have slightly increased the height of the piers in the revised plan.

6. The increase in the amount of the estimate is due principally to the increase in the rates for all kinds of work, not to alteration in the design of the bridge. With good superintendence the bridge should be completed within the amount of the estimate now submitted, but considering that there will be more than ordinary difficulty in laying the foundation, the rates allowed are not too high.

Proceedings of the Madras Government, Public Works Department.
9th August 1867.

No. 235.

ORDER THEREON, 9th August 1867, No. 2,427.

CIVIL WORKS, No. 32.

* In the South Arcot District.

river on the southern coast road extending from Madras to Chellumbrum, via Pondicherry and Cuddalore.

1. In their Orders of the 11th July 1856, No. 3,173, the Government of India accorded their sanction to an estimate of Rupees 35,020 for the construction of a bridge across the Vellaur.

2. In pursuance of this sanction, the preparation of materials was commenced, but, owing to the restrictive orders of July 1857, the progress of the work was stopped, and the Government have not since been in a position to allot funds for its execution from the very small annual assignments which have been made to this Presidency for New Works under "Communications."

3. All the rivers which cross the southern coast road between Pondicherry and Negapatam, both in English and French territories, have been bridged, with the exception of the Vellaur. The great obstruction which that river, in its present state, offers to the traffic between the large towns of Pondicherry, Cuddalore, Chellumbrum, Tranquebar and Negapatam is now forcibly urged upon the attention of Government by the Superintending Engineer, who moreover brings to notice that the absence of a bridge across the Vellaur cuts off the entire talook of Chellumbrum from Porto Novo, and creates considerable difficulties in the exportation of the produce of that talook. Colonel Foord strongly recommends the early construction of the bridge, and the Collector, after perusal of the Traffic Returns, is of opinion that the necessity for the bridge is urgent, and that its erection would be a great blessing to the local trade of the district, and would relieve the Government from the periodical outlay which is now necessary to maintain the banks of the river in a passable condition for wheeled traffic.

4. The original estimate of Rupees 35,020 was prepared so far back as June 1855. Since that time, there has been a general rise in the rates of labour and the prices of materials, and it has consequently become necessary to revise the estimate. The amount which is now stated to be required for the erection of the bridge is Rupees 44,800, which the Government sanction for entry in the Budget of 1868-69.

(True Extract.)
(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Under Secretary to Government.

To the Superintending Engineer, 5th Division, with one Survey and one Specification
,, Accountant General.
,, Controller of Public Works Accounts.

Exd. T. Augustin.

Superintg Engrs Office, 5th Divn.
Bangalore, 27th July 1867.

c. 81.

From,

Lieut. Col. C. F. Foord R.E.,

Superintg Engineer
5th Division

To,

Colonel. C. F. Orr R.E.,

Secretary to Government
D. P. W.

Sir,

Inclosures 6. I have the honor to forward
1 Plan (by Bangalore) for the sanction of Government and
1 Abstract Estimate
1 Specification estimate of Rupees 44,800 accompanied
1 Letter from Collector by a plan and specification for a
with traffic return
bridge across the Vellaur on the coast
road from Pondicherry to Negapatam.

2. An Estimate of Rupees 35,020
was sanctioned for this bridge in
P.O. No. 11,05. August 1856, and the preparation
of materials was commenced in
1857, but the meeting put a stop
to the work. The necessity for this
bridge has several times since then
been brought to the notice of Government,
and

and in G.O. of the 20th of October 1862, No. 2198, the entry of the estimate in the budget was again authorized, but up to this time nothing has been done.

3- The Vellaur is now the only unbridged river, either in the English or French territory, on the coast road between Pondicherry and Negapatam. The obstruction caused by it to the traffic is not limited to the time of freshes, for the river is tidal for some distance beyond the road, and the water is never less than four feet deep at the crossing.

4- It is only with the greatest difficulty that loaded bandies are dragged through the water, and up the high bank on the South side. Usually the bandies have to be unloaded before they can be taken across. The river, in its present state, is an obstruction not only to the traffic between the large towns of Pondicherry, Cuddalore,

5- Chillumbrum, Trianguebar, and Negapatam, but cuts off the entire taluk of Chillumbrum from Porto Novo, whence the produce of that fine taluk is exported.

5- The estimate now submitted has been prepared since I carefully inspected the site in May. The set of the stream being against the South bank, that bank has been much cut away during the last twelve years, and the breadth of the river at the crossing is greater than when the first estimate was made. I have not however found it necessary to add to the length of the bridge, as the interval between the abutments is greater than the breadth of the river half a mile above the road, where the bank is high on both sides. I have slightly increased the height of the piers in the revised plan.

6- The increase in the amount of the estimate is due principally to the increase

in the rates for all kinds of work, not to alteration in the design of the bridge. With good superintendence the bridge should be completed within the amount of the estimate now submitted, but considering that there will be more than ordinary difficulty in laying the foundation, the rates allowed are not too high.

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

E A Ford Esq. Col. R. E.
Superintg Engineer
5th Division.

Communication Fifth Division D. P. W. New Work.

South Arcot District N. W. Range Chedambaram Taluk

Abstract of a revised Estimate of 1867-68.

Work. Constructing a bridge of 11 arches of 45 feet span across the Vellam River at Muthoor on the road from Pindicherry to Vegapatam

Quantities	Description of Work	Rates	Per	Amount	Total.
1	2	3	4	5	6
115,000 4	Cubic feet of brick in chunam	2.3	6 1/2	16,173.73	
2,318 3/4	Do. of brick work	3.0	"	5,684.13	
562 2/5	Sq. ft. of plastering	3.0	"	1,687.32	
464	Wells of 3 feet diameter & 5 feet deep	16.0	"	7,424.00	
	Excavating foundation		"	1,500.00	
	Raising approaches and roadway		"	2,000.00	
400	Cu. ft. of gravel for		"	1,000.00	
	Temporary Dam & bailing water		"	3,000.00	
4	Crutings and ironing	500.0	"	2,100.00	
9	Do. of the above materials	200.0	"	1,800.00	
4	Guard stones	10.0	"	40.00	
	Scaffolding		"	1,000.00	
				43,307.68	
	Sundries			1490.94	
	Total amount of Estimate Rupees				44,800.00

E A Ford Esq. Col. R. E.
Superintg Engineer, 5th Division.
Superintg Engr's Office, 5th Div.
Bangalore 19th June 1867
Charles Steele
Collector of South Arcot.

From, C. W. Prade Esquire,
Collector of South Arcot.

To, Lieut. Col. E. A. Frood R.E.
Superintg Engineer 5th Division.

Sir,

I have the honor to forward to you in original (for return) a letter received from my Sub-Collector, on the subject of the Bridge across the Vellar.

2. Mr. Hathaway has submitted certain Traffic Returns a copy of which I enclose as they unquestionably show the need there is for this Bridge and how great a blessing it will be to the local trade of the District.

*to Government. 3. My objections stated in my letter of the 19th December 1865 No 90 were comparative, as I think I sufficiently explained at the time, but under the Statistical information now furnished by Mr. Hathaway I am quite prepared to urge the completion of the Vellar Bridge, and if you have not already

11/12/65
5th Division E. A. F.

South Arcot District

11/12/65
Abstract

of Revised Estimate for
constructing a Bridge of 11
arches of 40 feet span across
the Vellar at a distance
of 1/2 mile above the
existing bridge.

Amount of Estimate Rs. 44,500

11
already done so, I would ask you
to bring the subject forward as early as
possible in view to a speedy commencement;
meanwhile I desire to draw your
attention to the state of the Banks
on both sides of the river, leaving it
to you to decide on the best method
of improving the approaches. The Slopes,
I think, might be lengthened and
metalled so as to last for 3 or 4 years,
but of course in this matter it is with
you to judge of the best plan to be adopted.
In view, however, of the Sub. Collector's
remarks I would venture to suggest
that the needful be done as early as
practicable in order to the relief of the
extensive traffic so continuously going on
as you are, I believe, will aware.

Collector's Office }
Cuddalore. }
1st May 1867. }
I have the honor &c.
(Ed.) C. W. Read
Collector.
(True Copy.)

Edmond Lt. Col. R.E.
Superintg. Engineer
5th Dec.

1844

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Enclosure in a letter
to: 81 Feb 27th Aug 1863
from the city engineer
to the office of the
Commissioner of the
Department of the Interior

1844

Statement showing the average amount of cattle crops at-Station

Weekly amount according to the actual numbers that passed in the 1st half of the					Approximate No. of cattle in each month	
Month of	Perk. cattle	East. cattle	Wares	Wares	Wares	
April	8520	3180	538	31	"	April 5704
May	8926	817	4422	20	"	May 35161
June	8859	5555	1740	199	"	June 13,824
July	19478	1122	1723	256	3238	
August	7774	3791	670	592	1234	
September	7970	3310	729	9	"	
October	9255	3610	630	59	"	July 9150
November	9381	1558	3782	18	"	August 5510
December	8030	5557	1486	270	"	September 5622
January	20583	5433	1132	225	3977	
February	6695	3927	616	655	1185	
March	7916	4069	583	"	"	

*The gradual increase in the number of cattle is owing to a great extent to a better season in the winter as the cattle are better fed and the value of the cattle is also increased.

Sub. Collector Office }
20th April 1867

(Signed) (Copy)
179 E. W. Pearce
Collector
1791 W. St. Mathew
Sub Collector

20 and Smith & Co. A. G.
Superintending Engineer & Co.

(LUSAR)

17

5th Division L.P.M.

Health and Diet

PPX 20044/69

34-9-1946/69

William and Henry the
average amount of
the 100000 at
the 100000

No. 11. A. 27. 90
 20. A. 27. 90
 10. Aug. 1867

12. 28. 1867
 28. 1867

The Superintending Engineer
 5th Division.

The Secretary to
 Government O.P.M.

Dated 27th July 1867
 Recd 30th July 1867

No. 81
 Encl. 6
 28. 1867

Forwarding revised
 plan and estimate
 for a bridge across
 the Vellur.

e. 234

e. 5m

Public Works Department.

No. 2427

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 7th Aug 1867

Read the following

From The Super Engineer

(Here enter No. 81 dated 27th July 1867)

In their orders of
 the 11th July 1856, No. 3173,
 the Government of India
 acceded their sanction
 to an estimate of Rs.
 35,020 for the con-
 struction of a bridge
 across the Vellur river
 on the southern coast
 road extending from
 Madras to Kellam.
 via Pondicherry
 and Cuddalore.

In the South Arcot
 District

WV

In pursuance
 of this sanction, the
 preparation of materials

was commenced, but,
owing to the restrictive
orders of July 1857,
the progress of the work
was stopped and the
Government have not
since been in a position
to allot funds for its
execution from the
very small annual
allocations which have
been made to this
Presidency for a "New
Works under Communi-
cation".

3. All the rivers which
cross the Southern
coast road between
Pondicherry and Naga-
patnam, both in English
and French territories,
have been bridged, with
the exception of the
Vellam.

21
Vellam. The great ob-
struction which that
river, in its present
state, offers to the traffic
between the large towns
of Pondicherry, Kara-
icore, Chellumburam,
Tranquebar and Naga-
patnam is now greatly
urged upon the atten-
tion of Govt by the
Superintending Engineer,
who moreover brings to
notice that the absence
of a bridge across the
Vellam cuts off the
entire Valley of Chellum-
buram from Porto Novo,
and creates consid-
erable difficulties in the
exportation of the pro-
duce of that Valley.
(Done)

Colonel Ford strongly recommends the early construction of the bridge, and the Collector, after perusal of the Traffic Returns, is of opinion that the necessity for the bridge is urgent, and that its erection would be a great blessing to the local trade of the

P. W. 186 . Department.

No.

PROCEEDINGS OF GOVERNMENT.

Dated

District, and would relieve the Govt from the periodical outlay which is now necessary to maintain the banks of the river in a passable condition for wheeled traffic -

The original estimate of Rs. 35,020 was prepared, so far back as June 1855 - since that time, there has been a general rise in the rates of labor and the prices of

of materials, and it has consequently become necessary to revise the estimate - The amount which is now stated to be required for the erection of the bridge is Rs. 44,800, which the Government sanction for entry in the Budget of 1868-69 -

///

To The S. Engr 5th Div. with one survey and one specim.
Recd & forward
Ordered -

Sept 19/67

234
235-
Pub: Works by Departⁿ

Pro: of Govt. for August

C to 2427

Pro: of the Madras Govt.

Of 9th August 1867

Sanctioning for work
in the Budget of 1868/69 the
estimate of Rs. 44,800 for the
construction of a Bridge across
the Vellam in the South Arcot
District, on the coast road from
Pondicherry to Negapatam.

No. 234-235

C 5 mch 1867