

(1) Number of pages 10

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT. ✓

G.O. No. 3884	Press
128-129	~~Mis.~~
Dated: 8 — 12 — 1866.	

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
8th December 1866.*

No. 128. Read the following letter from the Acting Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Camp, Nellore, 24th November 1866, No. 62 :—

- * 1 Estimate (detailed) and Abstract.
- 1 Specification Report.
- 1 Plan of bridge.
- 1 Do. of Survey and Levels.
- 1 Sketch.

1. I have the honor to submit for sanction an estimate,* amounting to Rs. 4,600, prepared by R. Smith, Esq., Executive Engineer, Nellore Range, for a bridge across the Tupili tank sup-

plying channel, on the road connecting Gudur, at 84th mile of Trunk Road No. 6, with Dagarazapatam, the present terminus of the Eastern Coast Canal.

2. The only unbridged streams on this line are the Soornamooki, Isalla Calwa, and Tupili Calwa; of these the former is too large to be undertaken at present. The Isalla Calwa would require a very expensive work, and is at present but a small impediment to traffic, having a hard laterite bottom. The Tupili Calwa has high banks and a deep sandy bed.

3. This channel, it will be seen, has an open head from the river, and though its bed has but a very moderate fall into the tank situated about one mile below, there would be considerable surface fall in high floods but for the peculiarity of position of the tank with reference to the river, which the accompanying sketch will, it is believed, explain; it will be seen that the tank water-spread being open to the spill from the river, the river water would top the bank in high floods, and heading, back up the channel, assimilate the surface fall in the channel to that in the river.

4. With this explanation of the apparent objection to the site, I would beg to recommend the work for sanction; funds having been provided for its execution in the Budget of 1867-68 to the extent of Rupees 4,600.

No. 129. ORDER THEREON, 8th December 1866, No. 3,834.

CIVIL WORKS, No. 25.

The estimate of Rupees 4,600 which is submitted with this letter for the construction of a bridge of three arches across the Tupili tank supply channel on the Dugarazapatam road in the Nellore District, is approved, but the Government fear there is little probability of funds being made available for the work during the ensuing official year.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division, with one Sketch, one Survey, and one Specification.
" Controller of Public Works Accounts.
" Accountant General.
Exd. S. T. Augustin.

Work - Constructing a Bridge, of 3 Arches, across the Supili Channel, on the Vizagapatnam Road

Description of work	Number	Measurements			Contents
		Length	Breadth	Depth	
Concrete, Abutments	2	30	7 1/2	1	450
Piers	2	30	7	1	420
Buttresses	8	7	3 1/2	1	196
Wings	4	27	7	1	756
Retaining wall	.	48	5	1	240
Total Cft of Concrete					2062
Foundation, Abutments	2	27.3	4.9	5	1294 3/8
Piers	2	27.3	4.3	5	1158 7/8
Wings	4	27	4.3	5	2295
Buttresses	8	4.3	3.6	5	595
Retaining Wall	.	64.6	2.3	5	725 7/8
Superstructure, Abutment (including Cutwaters)	2	25.6	3.3	7.9	1284 7/16
Top course	2	25.6	3.3	3	41 7/16
Piers (including Cutwaters)	2	25.6	2.6	7.9	988 7/8
Top course	2	25.6	2.6	3	31 7/8
Wings	4	27	2.3	12.9	3098 1/4
Buttresses	8	2	2.9	12.9	561
Skew back	2	21	2	3	21
do do	2	21	2.6	1	105
Spandrels	2	21	3.6	6	73 1/2
Cap	.	12	2	2	48
Backing to arches	2	21	5	6	105
Face wall	.	72	1.6	9	81
Blocking Course	2	105	2	9	315
Parapet	2	104.6	1.6	1.6	470 1/4
Total Cft of Masonry in channel					10292 3/8
Archwork	3	17.6	21	1.6	1653 3/4
Pointing - gcs.					52

Poughatone	3	11.6	18	2	1242 1/4
					46 9/10
do		54	12	2	1296
		54	6	2	648
					1944
					72 9/10
Embanked approaches		52	11 1/4	2 1/2	1527 1/2
		75	9 1/8	1 1/4	925 3/8
		77	10 1/2	1 3/8	1347 1/2
		50	9 1/4	7/8	383 3/8
					4184 1/2
Excavating foundations & filling in Cys					1425
Total Cys of Earthwork					5609 1/3
Installing approaches	2	127	6	1/6	254
do Roadway		35	6	1/4	52 1/2
Total Cys of Installing					306 1/2
Surfing					2910
Guard Stones - Labriks					2 1/4

Smith
 Capt. R.E.
 Ag. Sup. of Eng. & Division

J. Curran
 A. Col.

1871. — Abstract Estimate

Work — Constructing a Bridge of 3 Arch across the Infili Channel on the Pugarayupatnam Road —

Quantities	Particulars of work	Rate	Amount	Total
2062	1 ft of concrete	2	257 12	"
13,292	1 ft of Labriks in Chumam	3	2699 15	"
1,654	1 ft of Arch work	3	396 4 4	"
52	Type of Pointing	1	65	"
46	Cys of Poughatone	1	80 8	"
72	do	1	108	"
5610	Cys of Earthwork	1	350 10	"
306 1/2	Cys of Installing	1	325 10 6	"
2910	Cys of Surfing	1	60 10	"
4	Labriks Guard Stones	1	4	"
	Centering	"	75	"
	Baling	"	50	"
	Sundries		126 10 2	
			Total Rupees. 4600	

Engr. Office
 Camp Bellona
 2nd Aug. 1871
 Engr.

J. Curran
 A. Col.

Smith
 Engr. 1st Range
Smith Capt. R.E.
 Ag. Sup. of Eng. & Division

No 62

Superior Officer
Camp Bellare
24th November 1866.

From Captain C. J. Smith R.E.
Asst Supt Engineer 2nd Div
To Colonel C. A. Smith R.E.
Secretary to Government
D. P. C.

Sir I have the honor to
submit for sanction an estimate
amounting to Rupees 4600,
prepared by Mr. Smith Esq. Executive
Engineer Bellare Range for a Bridge
across the Tulpilly Tank supplying
Channel on the Road connecting Guvur,
at 8 1/2 miles of Frank Road No 6, with
Doojagapatam the present terminus
of the Eastern Coast Canal.

The only unbridged stream on this
line are the Doornamooki, Talla Kalwa,
and Tulpilly Kalwa, of these the former
is too large to be undertaken at present
the Talla Kalwa would require a
very expensive work and is at
present but a small impediment
to traffic, having a hard laterite
bottom. The Tulpilly Kalwa has

Estimate (detailed)
& Abstract-
Specification
Report
Plan of Bridge
on Survey &
Levels
Sketch

From
The Assistant
20 Dec
The Supt Engineer
D. P. C.
Dated 24 Nov 66
Forwarded
No 24019/66
Estimated as per
constructing a bridge
of 3 arches across
Tulpilly Channel
on the proposed
Road connecting Guvur

high banks and a deep sandy bed -
This Channel it will be seen
has an open head from the River and
though its head has but a very moderate
fall into the Tank, situated about
1 mile below, there would be considerable
surface fall in high floods, but
for the peculiarity of position of the
tank with reference to the River which
the accompanying sketch will, it is
believed, explain, it will be seen that
the tank water spread being open
to the spill from the River. the River
water would keep the bank in high floods
and heading back up the Channel
assimilate the surface fall in
the Channel to that in the River.

With this explanation of the apparent
objection to the site. I would beg to
recommend the work for sanction;
funds having been provided for
its execution in the Budget of 1867-68 to
the extent of Rs 4600.

I have the honor to be
Yours most obedt. Servt
Albion C. P. M.
1867

Public Works Department.

No. 3884

PROCEEDINGS of the MADRAS GOVERNMENT
Under date the 24th Nov 1866
Read the following

From the Acting Superintendents
of the 2nd Division

(Here enter No. 62 dated 24th Nov 1866)

The estimate of Rs 4,600 which is submitted with this letter for the construction of a Bridge of three arches across the Tropic Lake supply channel on the Tugayazapetam road in the Vellore District, is approved, but the Government fear there is little probability of funds being made available for the work during the ensuing Official Year -

The Superintendents are to submit a sketch, one survey and one specification and one estimate for the work.

23rd Dec 1866

For the Secretary to the Government
Public Works Department
24th Nov 1866

The Acting Superintendents
of the 2nd Division

To the Secretary to the
Government
24th Nov 1866

Enclosed 5

Submits for
the Secretary to the
Government
for construction of a bridge
across the Tropic Lake
supply channel on the
Tugayazapetam road

No. 3884-24th Nov 1866

24th Nov 1866

P. W. 1866. Department.

Proc. of Govt for Decr
No. 3004

PROCEEDINGS OF GOVERNMENT *of India*

Dated

The estimate of
Rs 4000 for the Construction
of bridge of three arches across
the Kupili Tank Supply
Channel on the Dugara.
Karam road in the Mellore
Dt, approved.

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