

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1699	Press
B.P. No.		Mis.
Dated	5-7-	4876
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th July 1876. No. 1,699*

Read the following papers —

No 69 Proceedings of the Madras Government in the Financial Department,
dated 15th October 1875, No. 2,041.

Read the following Proceedings of the Board of Revenue, dated 30th September 1875,
No. 8,857 (Miscellaneous).

Read the following letter from H. SEWELL, Esq, President of the Local Fund
Board, Trichinopoly, to H. E. STOKES, Esq, Acting Secretary to the
Board of Revenue, dated Trichinopoly, 10th September 1875, No. 2.

ADVERTING to the Proceedings of the Board of Revenue, No 4,474, dated 20th
May 1875, I have the honor to forward
herewith, for sanction, two plans and
estimates, amounting to Rupees 7,020,
for the works noted in the margin.

Constructing Steps in front of Amma-	rs.	
mundapum in the Cauvery North Bank	4,870	
Constructing a Bridge across the Nat		
Voikal at Srirungum	2,150	
Total	7,020	

2 Of the above sum, Rupees 2,800
is contributed by private individuals,
the Local Fund Board Rupees 2,800
(*vide* G O, No 1,149, of 26th May 1875), and the remainder, Rupees 1,420, will be
met from the Srirungum Municipal Funds.

SUBMITTED for the orders of Government.

2 The work is a municipal one.

(True Copy and Extract.)

(Signed) H. E. STOKES,
Acting Secretary

THE plans and estimates for the works specified, amounting to Rupees 7,020,
are sanctioned.

(True Extract)

(Signed) D. F. CARMICHAEL,
Officiating Chief Secretary

No 69-A. Endorsement of the Chief Secretary to Government, dated Ootacamund,
13th June 1876, No. 881.

From H. SEWELL, Esq, President of the Municipal Commission, Trichinopoly,
to the Hon. W. HUDLESTON, Chief Secretary to Government, Fort St.
George, dated Srirungum, 27th May 1876.

ADVERTING to the Proceedings of Government, No 2,204, under date the 26th
of November last, I have the honor to forward herewith the site plan and plan of the

*Proceedings of the Madras Government, Public Works Department,
5th July 1876. No 1,699*

steps in the Cauvery at Ammamundapum on which is marked by the District Engineer the information required by the Chief Engineer for Irrigation

2. I beg also to submit a longitudinal and three traverse sections of the Nat Voikal with reference to the bridge

3 The steps have already been built Major Vertue states that "for many years the set of the river from some distance above the steps has been to the opposite or south side, there is no probability of a change, nor is it advisable there should be, in the event, however, of such an occurrence, prevention by means of nanul planting would be very simple the steps, therefore, require at foot no further protection"

4 With regard to the sections of Nat Voikal, Major Vertue states that the section taken at the site of the proposed bridge is not an average section as its locale is the ford at present used by carts and passengers, and of course the stream is naturally wider and shallower there than elsewhere

TRANSFERRED to the Public Works Department with reference to the communication from that Department, No 1,278, dated 4th November 1875.

(Signed) W HUDLESTON,
Chief Secretary

No 81 W

No. 69-B.

Note by the Chief Engineer for Irrigation

STEPS IN FRONT OF AMMAMUNDAPUM

THERE is nothing in the alignment of the river shown on the site-plan to indicate why the peculiar form has been given to the plan of the steps

2. The undersigned is still of opinion that it would be wise to protect the foundations of the foot of the steps by an apron about 15 feet wide and 2 feet deep, but the interests of those paying for the steps is concerned rather than the Irrigation Department. It is to be observed that on the plan dated 14th August 1875 a small apron is shown, while on that bearing dates the 6th and 12th August there is no apron.

BRIDGE ACROSS NAT VOIKAL AT SEIRUNGUM

The Nat Voikal at the site chosen has a width of waterway of about 200 feet At the other two sections given the mean widths are about 53 and 50 feet respectively The design, dated 5th August 1874, of the bridge does not appear to be well adapted to the site, and it is considered that instead of two spans of 20 feet three spans of that size or two of 27 feet each should be allowed It may be noticed that the provision in the estimate for earthwork is altogether insufficient, and that the filling in at either end of the bridge and the formation of approaches will cost a considerable sum

OOTAGAMUND,
19th June 1876.

(Signed) JOHN MULLEN, Lieut.-Col., R.E.,
Chief Engineer for Irrigation

To the Secretary to Government, Public Works Department

To the District Engineer, Trichinopoly
" Chief Engineer for Irrigation
" Financial Department

*Proceedings of the Madras Government, Public Works Department,
5th July 1876 No 1,699*

No 70

ORDER THEREON, 5th July 1876, No 1,699

IRRIGATION, No 4

COMMUNICATED to the Financial
Department and to the District Engineer,
Trichinopoly

(True Extract)

Colonel,

Offg Under Secy to Govt, P W D

Exd J W Fischer
Spare Copies

Trichinopoly District

Bridge across N. K. V. Canal at
Securingum

Particulars	Meas ^{ts}				Contents
	No	L	B	H	
<u>Foundations</u>					
Pier and balustrades founding	2	20 1/2	5 1/4	6	129 1/2
Abutments remaining	2	25 1/2	3 5/8	6	1109 1/4
Piers	4	15 1/4	5 3/4	6	2104 1/2
Ruttings	2	3	4 1/4	6	153
Retaining walls	4	19	2	4 1/2	684
Landings	2	19 1/2	17 1/2	1	682 1/2
Cutwaters	2	19 5		6	234
<u>Total Foundations</u>					<u>6258 3/4</u>
<u>Superstructure</u>					
Pier and balustrades founding	2	20 1/2	4	4	656
Abutments remaining	2	20 1/2	3	4	492
Remainder at ends of Abutments	4	2	3	4	96
Piers	4	15 1/4	3 1/4	9 1/2	1883 3/8
Ruttings	2	3	3	6 3/4	121 1/2
Cutwaters	2	12 5		4	120
Caps to Cutwaters	2	12 5		7	25
Shut halves over Piers	2	20 1/2	3	1 1/4	153 3/4
Abutments	2	20 1/2	3	1 1/4	163 3/4
<u>Walking over Abutments & Ruttings</u>	2	76 1/2	3 1/2	7 1/2	<u>231</u>
<u>Other work</u>					<u>125 5/8</u>
Triangular pier	2	16 1/2	5	1 1/8	185 5/8
Spandrels	1	16 1/2	8	1	132
Face walls	2	52	2	4 1/4	884
Returns of	4	3	2	5 1/2	132
Blocking course throughout	2	87 1/2	1 1/2	3/4	196 1/8
Parapet walls	2	83 1/2	1 1/4	3	626 1/4
Reinforcing at ends of do	4	1 1/2	1 1/2	3 1/2	31 1/2
including caps					
<u>Carried Over</u>					

Brickwork forward					6258 ³ / ₄
Cornice throughout					6140 ¹ / ₈
Total Superstructure					12404 ³ / ₄
Total					12463 ¹ / ₂
Deduct for Segmental Spaces in face walls					250
Exploration in Parapets					135
Total Deductions					391
Total Cft Brick in Chimney					12072 ¹ / ₂
Arches Segmental					1632 ⁵ / ₁₆
Total Archwork Cft					1632 ⁵ / ₁₆
Plastering					
Face of Abutments & pier					328
Cutwaters including caps					150
Mans including ends of Abutments to top of Cornice					429
Face walls & Returns Do					884
Parapet walls					1394
Pilaster at ends of Do					90
including caps					
Enticings of Arches					922 ¹ / ₂
Total					4497 ¹ / ₂
Deduct for Segmental spaces in face walls					109
Caps & Cutwaters again					62 ¹ / ₂
Face walls & Returns					
Total Deductions					176 ¹ / ₂
Total Cft Plastering					1326
Scaffolding and filling in					
Graveling					16
Painting					
Lime					

Dist Engrs Office
August 1874
17th of July

J. W. Brown.
Chf. District Engineer

24
214
463

Trichinopoly District

Deputy Commissioner

No of 1874-75

Work

Bridge across N. R.
Vairakal at
Purumpallu

See a letter
from the President
Local Fund Board
Trichinopoly 8/10/75
Sept 1875 his 403.

July No 6715/75

Mr. 6860/75.

Bridge across
N. R. Vairakal at
Purumpallu.

2 July 1875
75-