

(1) Number of pages 14
(2) Date of repair 30.10.82
(3) Initials of the Referencer lany

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU
P.W.D. DEPARTMENT

G.O. No.	<i>4277-VV</i>	Press.
B.P. No.		Mis.
Dated	<i>7-11-1878</i>	<i>197</i>

Not to be folded or roughly handled

B.S. 28

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

7th November 1878, No. 4,277 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 86. From W. S. HARRINGTON, Esq., District Engineer, Madura, to the Chief Engineer, Buildings and Roads, dated Madura, 28th October 1878, No. 213.

* I HAVE the honor to forward, for your approval and the sanction of Government, the enclosed estimate, amounting to Rupees 970, for reconstructing the bund across Varasalyar river near Vattanam salt-pans, which was washed away by the floods of December last. The Commissioner of Salt Revenue in his No. 1,427 of the 19th instant has requested me to carry out the work from the allotments for the works Nos. 58, 61, and 65, in Part I of the Petty Construction and Repair Budget for 1878-79. I request your orders for carrying out the work as desired by Mr. Bliss.

No. 87. ORDER THEREON, 7th November 1878, No. 4,277 W.

THE estimate of Rupees 970, for reconstructing the bund across the Varasalyar river near Vattanam salt-pans, is sanctioned.

2. There being no specific appropriation of funds in the Public Works Budget for the works entered as Items 58 and 61 in the Salt Petty Construction and Repair Budget, no transfer of funds can be made therefrom. The Rupees 2,000 entered in the Public Works Budget against Item No. 46 must be considered as standing to the credit of the buildings at Vyravanadapatam and Attengarai. Nor can a transfer be made from Item No. 65* till receipt of a reply to G.O., No. 3,990 W, of 14th October 1878.

3. This sanction has been registered as Imperial No. 97 B of 1878-79.

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle.
" Examiner of Public Works Accounts.
" Revenue Department.

Ed. E. C. Shanker.
Spare Copies

BUILDING AND PUBLIC
WORKS.

Vol. of 118781 Madras.

PUBLIC WORKS.

TO
THE SUPERINTENDING ENGINEER
MADRAS.

NOVEMBER 1878.

NOVEMBER.

NOV 27 1878.

For the purpose of reconstructing the bund across Varasalayad River near Vattanam Salt pans, which was washed away by the floods of December last - The Commissioner of Salt Revenue in his No. 1427 of the 19th Instant has requested me to carry out the work from the allotments for the works Nos 58, 61, 9 & 65 in part 1 of the petty construction and repair Budget for 1878-79 - I request your orders for carrying out the work as desired by Mr. Bliss.

No 213

From,

District Engineer's office
Madras 28 October 1878

The District Engineer
Madras

To
The Chief Engineer for
Roads and Buildings
Madras.

Sir,

I have the honor to forward for
your approval and the sanction of Government
the enclosed Estimate amounting to Rs 970
(nine hundred and seventy) for reconstructing
the bund across Varasalayad River near
Vattanam Salt pans, which was washed away
by the floods of December last - The Commissioner
of Salt Revenue in his No. 1427 of the 19th Instant
has requested me to carry out the work from
the allotments for the works Nos 58, 61, 9 & 65
in part 1 of the petty construction and repair
Budget for 1878-79 - I request your orders for
carrying out the work as desired by Mr. Bliss.

I have the honor to be
Sir

Your most obedt Servt

W. Harrington

District Engineer
Madras

From
12223
The Dist. Engineer
Madras

To The Chief Engineer
Roads & Buildings
Madras

No. 213.

Go. 14.10.78. 39901.
" 12.8.78. 3211.4.
" 14.6.78. 1620 B. of Rev.

Excess 28"
Receipt 28"
Reced 31" } act 178

Encls. 4

Build across Varadayan
River near Sultanpur
Salt pans — forwarding
for sanction and estimate
for reconstruction.

Specification No. 1.

EARTH WORK.

1. All earth is to be dug from the side trenches in cases of roads and from regular oblong pits in rear or in front of the bund in case of tanks.
2. The Maistry in charge of any tank or roadwork will lay out these pits and see that the Contractor digs regularly in them.
3. All earthwork is to be tamped layer by layer as it is thrown on the bank, no layer is to exceed 1 1/2 ft. in thickness.
4. All work is to be sectioned out by the Maistry or if he is unable to do it by the Overseer or Sub-Overseer.
5. These sections are to show the Contractor what height and width he is to make the bank and what the slopes are to be.
6. In the case of tanks the inside slope should be never less than 2 to 1 or the outside less than 1 1/2 to 1.
7. In the case of roads 1 1/2 to 1 will generally be found a sufficient slope.
8. When the earthwork has been completed as shown by the sections. The top and slopes of the bank should be well tamped and if necessary turfed.
9. In the case of roads, embankments, where turf, manna, prickly pear &c., are difficult to get or difficult to keep alive small banks or Varaippus may be made along the top edge of the road on each side.
10. These Varaippus must have openings in them to let the drainage escape every 5 yards and there should be channels made in the slope of the embankment to guide the water gradually down the slope and thus prevent serious scour.
11. In the case of roads too the centre of the embankment should be slightly higher than the sides say 3 in a breadth of 4 yards to facilitate drainage.
12. It is the Overseer's or Sub-Overseer's duty to explain all the above rules to the Maistry in charge who will see, on pain of dismissal, that the Contractor carries them out.

District Engineer.

H. B. Mithun
Range Officer.

METALLING NEW ROADS.

1. The broken stone is to consist of pieces capable of passing through a ring 1" in diameter and they must not on any pretence exceed cubes of 1".
2. The broken stone will be laid first on the earthwork and rammed, the thickness laid depending on the provision made in the estimate. In cases where damages to the road surface are being repaired all the old metal stone is to be careful picked up and the road surface sectioned before new material is laid down.
3. Over the stone will come gravel, the thickness laid depending on the provision made in the estimate.
4. On no account are any stones, pebbles, sand, earth etcetera to be mixed with the gravel—which will be sifted on to the broken stone to insure the exclusion of pebbles &c.
5. The gravel having been properly spread should be watered moderately by having water sprinkled on it and should be well tamped.
6. Too much water is as bad as too little and no water at all will leave the road loose and dusty.
7. While portions of roads are being retolled they should be invariably closed to traffic, and kept closed for a week or so after the metalling is laid to allow of the latter consolidating.
8. To avoid inconveniencing traffic unnecessarily, the road, or portion of road, should not be closed sooner or longer than necessary and while it is closed care should be taken, by forming ramps of easy gradient and removing any obstacles in track, to provide the traffic with a passable substitute for the proper road.

District Engineer.

Range Officer.

Public Works Department.
No 4277 Wd/7th Nov 1878
Proceedings of the Madras Government

Read the following.

From the District Engineer.
Madras.

N. E. No 213 dated
28th October 1878.

The estimate of Rs.
970 for reconstructing
the bund across the
Tanasalyan River
near Vattanam Salt
Pans is sanctioned.

There being no
specific appropriation
of funds in the Pub-
lic Works Budget for
the works entered as
Items 58 and 61 of the
salt Pans Construction
and Repair Budget,

San H. ...

no transfer of funds
can be made therefrom -
The Rs 2000 entered
in the Public Works
Budget against Item
No 46 must be con-
sidered standing to
the credit of the buildings
at Vyraana-lapatain
and Attengarai

Nor can a transfer
be made from Item
No 65 till receipt of a
reply to C.O. No 3990 W
of 14 October 1878.

Salt Pelly con-
struction and Repair
Bridges.

6117 5/10
2.11.78.
This construction has been
registered as Imperial No 973 of
1875/79.

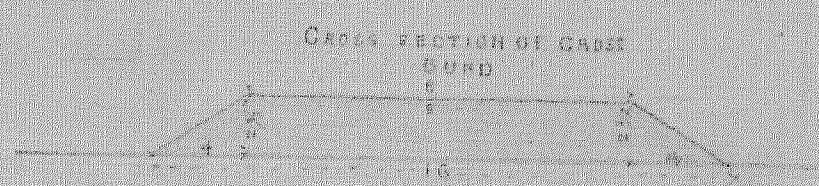
S. Engr 5th Circle 5
For PW Accts 5
x with 1
Estimated Rec. Sept. 21
Dated 20-11-78

1823

SITE PLAN
of
Venisolam and cross bund
near Villanur

Referenced

A. B. Hutchings
Assistant Engineer
Madura Division



22. 6. 78. *S. P. K. S. S. S.*
13-578

127

127

12223

Govt. of Madras

PUBLIC WORKS

The S.E. Fifth Circle

W. J. 9

Date

From

To

For

Rs. 7.00 1878 A. 6277

Nos. 66 287

Bound across the Varsalyn
river near Vattannur
pans, measure of the
estimate of Rs. 770 for
reconstructing the
sanctioned with Rs. 770
regarding the provision
of funds.

End in Rs. 770