

(1) Number of pages 20(2) Date of repair 65 - 8 - 87(3) Initials of the Referencer lous

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

J.W.D. DEPARTMENT

G.O. No.	235 W	Press.
B.P. No.		Mis.
Dated	28 . 1 . 1884 . 197 .	

A-10

Not to be folded or roughly handled

10

235
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Proceedings of the Board of Revenue, dated 20th December 1883, Mis. No. 11035.

Read—the following letter from J. LEE-WARNER, Esq., President, Local Fund Board, Nellore, to the Secretary to the Board of Revenue, dated 28th November 1883, No. 101 :—

I have the honor to forward, herewith, for sanction, an estimate for asphaltting *
* Item No. 14 in budget for 1884-85 (new the Pennér anicut, with the Superintending Engineer's report thereon.
works).

ENCLOSURE.

Report on estimate, amounting to Rs. 5,070, for asphaltting the Pennér anicut at Nellore.

The proposal to form a road-way of asphalt across the Nellore anicut is put forward after an experimental patch had been tried.

2. I had an opportunity of inspecting this experimental patch last January, and I noticed that the concrete had been a good deal cut up by the previous freshes. I am, therefore, of opinion that it would be better either to make the concrete on each side of the asphalt with Portland cement, or else to plaster it with Portland cement.

3. The Executive Engineer, Nellore division, informs me that "ordinary concrete on the apron (i.e., of the anicut) has been found by experience not to last one season."

4. Latterly all our concrete has been plastered with Portland cement.

5. I would, therefore, recommend the use of Portland cement for that portion of the concrete which is uncovered by asphalt.

6. This would involve making one-third of the whole quantity of concrete with Portland cement.

7. It is to be noted that, neither from the specification nor the data is the thickness of the concrete to be ascertained. If the work were given on contract this would have to be clearly stated. From the data I calculate that 6 inches thickness is intended.

8. I have countersigned the estimate as it stands, but beg to recommend the use of Portland cement instead of Surkhi concrete for the 2 feet 6 inches on each side of the asphalt. It will add to the original cost, but will, I believe, cause a considerable saving in the upkeep of the road-way.

9. The Executive Engineer, Nellore division, considers that before laying the concrete, projecting stones should be trimmed down. This can probably be arranged for in carrying out the work.

VELLATUR,
2nd May 1883.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

Resolution—dated 20th December 1883, Mis. No. 11035.

Submitted for the sanction of Government.

2. The President should forward copy of the Local Fund Board's resolution approving of the estimate.

(A true Copy and Extract.)

(Signed) G. MACKENZIE,
Acting Sub-Secretary.

To the Secretary to Government, Public Works Department,
with two original enclosures to be returned.

Office note from the Chief Engineer for Irrigation, dated 14th January 1884,
No. 6.

ORDER—dated 28th January 1884, No. 235 W., Public Works.

The estimate, amounting to Rs. 5,070, for asphaltting the Pennér anicut at Nellore, is sanctioned.

2. The attention of the Local Fund Board should be called to the desirableness of adopting the proposals in the Superintending Engineer's report.

3. This sanction has been registered as Local No. 52 W. of 1883-84.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Board of Revenue (with one enclosure).
" Superintending Engineer, II Circle.
" Chief Engineer for Irrigation.
" Financial Department.

235
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1884) Madras.

PUBLIC WORKS.

Dated January, 28th.

Recd.

Encl.

G.O., 28th Jan. 1884, No. 235 W.

JANUARY.

Asphalting the Penner Anicut
at Nellore

Estimate, amounting to Rs. 5,070, for —,
sanctioned with remarks.



Proceedings of the Board of Revenue,

Dated 20 December 1883.

No. 11035

Mis:

READ

The following letter from J. Lee-
Warner Esquire, President, S. D.
Board, Nellore, to the Secretary,
Board of Revenue, dated 28th
November 1883, N^o 101.

I have the honor to forward
herewith for sanction an estimate
for asphaltting the Penner
Anicut with the Superintendent-
ing Engineer's report thereon
(New Works) -

Resolution

Submitted for the
Sanction of Government.

2. The President should for-
ward copy of the Local Fund
Board's Resolution approving of
the Estimate.

To the Secy to Govt. P. W. D.

With 2 original Encls. to be
returned
President, S. D. Board, Nellore
Accountant General

(True copy & Extract)
For Mr. MacKinnon
As Sub Secy

Rs 5070 for Asphalting the Pennair anicut,
at Nellore.

23 5/4

1 The proposal to form a Road-way
of Asphalt across the Nellore Anicut
is put forward after an experimental patch
had been tried.

2 I had an opportunity of inspecting
this experimental patch last January, and
I noticed that the Concrete had been a
good deal cut up by the previous froshes.
I am therefore of opinion that, it would
be better, either to make the Concrete, on
each side of the asphalt, with Portland
Cement, or else to plaster it with Port-
land Cement.

3 The Executive Engineer, Nellore
Division informs me that "Ordinary Concrete"
"on the Apron (ie of the Anicut) has been
"found by experience not to last one
"Season".

4 Lastly, all our Concrete has been
plastered with Portland Cement.

5 I would therefore recommend the

use of Portland Cement for that portion of the Concrete which is uncovered by asphalt.

6 This would involve making $\frac{1}{3}$ of the whole quantity of Concrete with Portland Cement.

7 It is to be noted that, neither from the Specification nor the data, is the thickness of the Concrete to be ascertained. If the work were given on Contract, this would have to be clearly stated. From the data, I calculate, that 6" thickness is intended.

8 I have countersigned the Estimate as it stands, but beg to recommend the use of Portland Cement instead of Surkhi Concrete for the 2" 6" on each side of the asphalt. It will add to the original cost, but will, I believe, cause a considerable saving in the upkeep of the Roadway.

9 The Executive Engineer, Millore Division considers that before laying the Concrete, projecting stones should be

trimmed down. This can probably be arranged for, in carrying out the work.

Superintending Engineer's Office,
2nd Circle, Camp Vellatur
2nd May 1883

J. H. Rensall
Superintending Engineer,
2nd Circle.

235/5

5

235
6

22
140916

8735/83

Mr. Ch. 11409
1883.

Board of Revenue,
MADRAS.

To

*Mr Secy to Govt.
P.O.D.*

Ex 2

Rev 21/12/83

Proceedings, dated 20 Decr 1883.
No. 11035

Subject.

*Submitting for
the sanction of Govt. an
estimate for asphaltting
the Pennair ancient
received from the President
L. & R. S. Kallor*

5/

*No. 37 D. of 9th January 1884
L & R*

Referred accordingly

Cy. S. W.

8.1.84

GOVT. } 188 . { P. W.
OF MADRAS. } DEPT.

SECRETARY.

Mr. Ch. 412

Chepauk, 7th January 1884.

OFFICE NOTE.

R 5

To *W.*

23/

*President L. F. Board, Bellur, sub-
mits for sanction an estimate of
Rs. 5070 for asphaltting the Pennair
ancient.*

*S. E. recommends that Portland
Cement concrete be substituted for
Surki concrete for the portions uncovered
by asphaltte. The Surki does not stand
the wash of water over it. The trim-
ming down of the projecting stones
under the concrete base is also
suggested. In passing sanction the
attention of L. F. Board may be
called to desirability of adopting the
S. E.'s proposals.*

*I should myself dread the
asphaltte floor not standing the
traffic under heat of sun, and
suddenly its becoming dangerously
slippery. An experimental patch
has however been tried, & no objection
has been raised on this score.*

Cy.

7.1.84

*I think this should be
referred to EI for
remarks.*

W.

P.T.O. 7.1.84

To Mr. W. C. 8/14-1-84

The experiment at patch of
asphalting on the ancient is
not successful with the gravelled
material & I have not therefore
seen it. I agree with the P.E.
regarding the use of Portland
cement. I doubt whether
asphalt will be found so con-
venient in the long run, it
may be ripped off in high
floods as I understand part
of the experimental patch has
been, & I should expect it
to break up towards the edges
with traffic. If found satisfactory
there is plenty of sand at
hand to sprinkle over it.

Done

14/1/84 E.J.

Draft sanction for W.S. approved.

C.S.

15-1-84

Current No. 11409 ^{235/8}

Letter No. 11035

Dated the 25th Dec/83

From the Board of Revenue

NOTE OF REMARKS.

1. The accompanying is an estimate for asphalting the Pennair ancient in the Mel-Lor District. The estimated amount is Rs. 5570.
2. The estimate has been very carefully prepared. It may be seen, as S. E. remarks, no depth is given to the concrete forming a substratum to the asphalt, or to the 'fine concrete' of the boulders. It is charged for per sq. ft. S. E. assumes it to be 8" deep. S. E. urges the substitution of Portland cement for curbed concrete in ^{the} boulders uncovered by asphalt, as being better able to resist the erosive action of water. The En. Engr. recommends that the projecting stones on surface of ancient should be trimmed down.

Subject to approval, trimming
should be effected only to a
certain limit as an uneven
surface, consisting of many but
small inequalities caused ^{dispar}
by the stones and their joints, ^{will}
strengthen the hold of the concrete
and cement on the ancient.

3. The estimate has been
countersigned by the President
of the L. F. Board.

22nd Dec/83
83/8

13/11/84
PUBLIC WORKS DEPARTMENT.

No 235 W

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 28th Jan'y/84

23/1 READ the following

Pres. of the Board of
Revenue — A.C. No 11035 M.S. of 20th Dec/83
Office Note from the
Chief Engr. for Irrig. — 6 of 14th Jan'y/84

7
The estimate
amounting to Rs 5090,
for asphaltting the
^{Pennier}
~~Pennier~~ ancient at
kellore, is sanctioned.

2. The attention of
the Local Fund Board
should be called to
the desirableness of
adopting the proposals
in the Suptg. Engr's
report.

3. This sanction

has been registered as
Local No. 52 W of 1883/14.

Cy
19-1-84

W
21-1-84

7/11
24/11

8/5/14

Wm
29/1

du

4/2

Board of Revenue
(with 1. encls.)
S.E. II circle
Chief Insp: for Sargu.
Ful: Sept.
(Ch. Secy for
committee initials)

8

235
10

412.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated

(10)

By

Encl.

G. O. 28th Jan 1884 No. 23545.

Asphalting the
Pinner. Ancient at
hillore.

Est amt: Rs 5070.
for — Sand &c.
with remarks.

[Signature]

220
29/1

[Signature]

Subd. Insp. Supt.