[illegible] ஷீட் எண்ணிக்கை — 16
[illegible] — [illegible]

ரெ. 3035 [illegible]/ கல்வெட்டுத்துறை. நாள் 23.11.1983

23RD NOVEMBER 1893, No. 3035 W., PUBLIC WORKS.

3035

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From J. C. LARMINIE, Esq., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 19th October 1893, No. 382 W.

I have the honour to forward the enclosed plan, estimate, &c., for constructing a permanent causeway across the Malattar on the 22nd mile of Salem Frontier road *viâ* Panruti in South Arcot district, revised in reference to the suggestions contained in your memorandum No. 881 D., dated 20th September 1893.

2. The enclosures sent are—

One extract from proceedings of District Board, South Arcot, dated 29th July 1893, with two letters.
" letter addressed to the Secretary to Government, Local and Municipal Department, No. 351, dated 1st August 1893.
" data list.
" specification.
" detail estimate.
" abstract estimate.
" endorsement of President, District Board, dated 9th October 1893, on Local Fund Engineer's letter No. 607 of 3rd idem.
" plan.

Note by the Chief Engineer, Public Works Department.

The Superintending Engineer, V Circle, submits the estimate for a causeway across the Malattar in the South Arcot district revised in accordance with the instructions contained in the Chief Engineer's memorandum No. 881 D., dated 20th September 1893, and the estimate now amounts to Rs. 4,540. On further consideration it is thought advisable to allow a concrete bed for the side walls 2 feet deep and 3 feet wide, which will cost about Rs. 685, and this addition raises the estimate to Rs. 5,225 for which the sanction of Government is recommended.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

15th November 1893.

ORDER—dated 23rd November 1893, No. 3035 W., Public Works.

The estimate, as amended by the Chief Engineer, amounting to Rs. 5,225, for constructing a causeway across the Malattar river at the 22nd mile of the Salem Frontier road *vid* Panruti in the South Arcot district, is sanctioned in supersession of the estimate of Rs. 9,790 sanctioned in G.O., No. 1999 W., dated 2nd August 1893.

2. This sanction has been registered as Local No. 30 W. of 1893–94.

(True Extract.)

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

To the Superintending Engineer, V Circle.
,, Local and Municipal Department, with plans and estimate.
Editors' Table.

Exd. S. J. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 23rd.

Recd. Encl.

G.O., 23rd Nov. 1893, No. 3035 W.

NOVEMBER.

Causeway

Revised estimate of Rs. 5,225 for constructing a — across the Malattar river at the 22nd mile of the Salem Frontier road viâ Panruti in South Arcot district, sanctioned.

3035/7

T.

Put in concrete founds. for the side walls 2' deep 3' wide – & correct esti– accordingly.

13.11.93

Dr/

The estimate has been altered accordingly & the amount increased by Rs 685. This excess includes a lump sum provision of Rs 50 for excavating extra depth of foundations for the concrete bed & for the apron, the latter being omitted in the original estimate.

13.XI.93

Sanction

13.11.93

…ldings of the District
…ssed at a meeting
…ly 1893.

3035/4

AUG 13

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…Avergal – Vice President

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"
…Avergal Rao Sahib
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…liar " Rao Sahib
"
…saim Imurkoyar

…l Engineer
…ices dated 15th Instant, …
…sed estimate of Rs 6900 f…
…the Malattar on the 22…
… Panruti.

(Signed) H. C. D. Harding
President, Dt Board

…tract/

Vice President
for President Dt Board

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 23rd.

Recd. Encl.

G.O., 23rd Nov. 1893, No. 3035 W.

NOVEMBER.

Causeway

Revised estimate of Rs. 5,225 for constructing a — across the Malattar river at the 22nd mile of the Salem Frontier road *viâ* Panruti in South Arcot district, sanctioned.

3035/1

to.

This est. has been revised by the L. F. Engr. in accordance with this office memo: No. 881 D d/20-9-93

I am doubtful myself of the expediency of omitting concrete foundations for the side walls —

These walls are of brick - laid on the sand - and will I think be liable to crack unless carried on a concrete bed

OW
11-11-93

P.20

3035/1

…eedings of the District
…passed at a meeting
… July 1893.

AUG 93

…ident
… avergal - Vice President

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… Garu

… avergal Rao Sahib
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…ssain Imukoyar

…d Engineer
…Letter dated 15th Instant, …
…sed estimate of Rs 6900 fo…
… the Malattar on the 22…
… Panruti.

(Signed) H. C. D. Harding
President, Dt Board

…tract)

Vice President
for President Dt Board

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 23rd.

Recd. Encl.

G.O., 23rd Nov. 1893, No. 3035 W.

NOVEMBER.

Causeway

Revised estimate of Rs. 5,225 for constructing a — across the Malattar river at the 22nd mile of the Salem Frontier road *viâ* Panruti in South Arcot district, sanctioned.

If there is any
water within
trenches ~~there will~~
~~be~~ [illegible] difficulty
in laying the
brick walls properly

[illegible]

I cut in [illegible] the [illegible]
[illegible] of [illegible] is
[illegible] [illegible]
In the estimate [illegible]
[illegible] in [illegible]
[illegible] with E.E. [illegible]
[illegible] on [illegible]
[illegible] it is [illegible]
[illegible] to [illegible] it in

3035
1

Extract from the Proceedings of the District Board, South Arcot, passed at a meeting held on the 29th July 1893.

AUG 13

H. C. D. Harding Esquire – President

1. M. R. Ry S. Soundara Aiyangar avergal – Vice President
2. A. S. A. Slocock Esquire
3. Dr. Robert Robertson
4. M. R. Ry Rajaratna Mudaliar avergal
5. M. R. Ry M. Devasigamany Mudaliar "
6. " A. Seshachalam Naidu Garu
7. " Sunkariah Naidu "
8. " V. Krishnasami Aiyar avergal Rao Sahib
9. " Kanagasabai Pillai "
10. " Saukara Aiyar "
11. " Thumbumalla Reddiar "
12. " Balakrishna Nayakar "
13. " P. Srinivassa Aiyangar "
14. " S. M. Vencatapathi Reddiar " Rao Sahib
15. " Varadaraja Aiyar "
16. A. MacDonald Esquire
17. Hazarath Mahamed Hussain Murkoyar
18. " Ali Hussain Sahib
19. " Arest Aalam Sahib

11. Read letter from the ~~same officer~~ Local Fund Engineer dated 15th Instant, forwarding for sanction a revised estimate of Rs 6900 for constructing a Cause way across the Malattar on the 22 the Salem Frontier Road, via, Panruti.

Sanctioned

(Signed) H. C. D. Harding
President, Dt Board

(True extract)

Vice President
for President Dt Board

Cuddalore
2nd August 1893

D. P. W.

North Arcot Division Office.
Camp. - Ranipett
Dated. - 15th June 1893.

3035

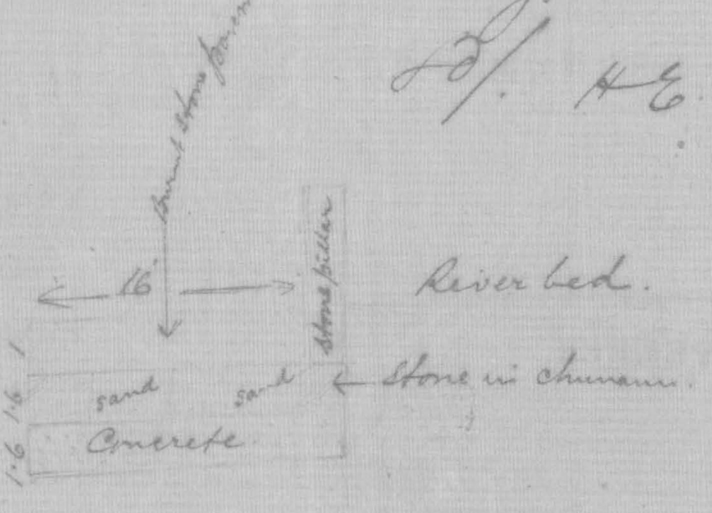
Dear Mr. Norfor,

Your letter of the 4th inst. The foundations of the Palar Causeway rest on sand throughout. You have, I believe, a Section of the work as executed.

SUPERINTENDING ENGINEER'S OFFICE
G-HETRAS
5 AUG. 93
No. 1/3244
P. W. D., 5th CIRCLE

Excuse my delay in answering. But I have to make enquiries as I have only just taken charge of the Division.

Yours truly.
Sd/. H. E. Clark



(True copy.)

Cuddalore.
2nd August 1893.

Vice President,
for President, D.B.

m

South Arcot Circle.
Local Fund Pub. Works.

3035/

No. 327.

Station. - Goverapett.
Dated 15th July 1893.

From,
The Local Fund Engineer,
South Arcot,

To,
The President, Dt. Board
South Arcot

5 AUG. 93
2/309

Sir,

Since submitting an Estimate for Rs 10,545. for a permanent causeway across the Mullatar with my letter No. 57 of the 23-4-'93 I have ascertained that the D.P.W. have very recently constructed a Causeway over the Palar river in North Arcot, between Arcot & Ranepett, upon a design which if adopted in the Mullatar will reduce the cost of the work very considerably and as since the construction of the Coriar embankment on left bank of Ponniar, cutting off the spill from the Ponniar into the Mullatar, there is not at any time more than 3 or 4 ft of water down the Mullatar, I am sanguine that the design will do very well in this situation & will not be liable to destruction or damage. I therefore submit now plan & estimate for a Causeway on the new design. The cost of the work will be Rs 6900 as against Rs 10545 the first estimate.

I submit for the information of the Board the plan & estimate I received from N. Arcot, the design is an entirely new idea & may or may not answer across a large rivers like the Palar: the next North east monsoon will tell, but in the Mullatar there is no fear of its not answering very well, & I would very strongly urge its adoption in place of the more expensive design.

I have &c.

Sd/ R. E. Forster. C.E.
L. F. Engineer.

True

(True copy)

Cuddalore }
2nd August 1893 }

Vice President,
for President, D.B.

Rs 2-~~9~~ 8
~~2250~~/93
8876

2035/12

SOUTH ARCOT.

DISTRICT BOARD PRESIDENT'S OFFICE.

CUDDALORE.

Ref. on Regr. No. 351 of 1893.
Eng

1st August 1893.

FROM

H. C. D. Harding Esquire,
President, District Board
SOUTH ARCOT

To

The Chief Secretary to Government,
Local and Municipal Department,
MADRAS

ENCLOSURES. 5+
1 (one plan and one Estimate per packet post).

Thro' The Superintending Engineer,
Madras.

SIR,

1. Detailed Estimate
1. abstract do
1. Specification
1. Section
1. copy of Demi official letter
1 " of letter
Extract from Dist: Board's Proceedings
7 Enclos.

I have the honor to submit herewith an estimate of Rs ~~6900~~ 7700 for constructing a causeway across the Malattar on 22nd mile of the Salem Frontier Road via Panruti together with a copy of the District Board's Resolution No $\frac{11}{29\cdot7\cdot93}$ approving the same, and to request that this estimate may be sanctioned in lieu of the more expensive one for Rs 10545 submitted with my letter dated 5-5-'93 No 177.

2. The estimate has been prepared by the Local Fund Engineer with reference to a design adopted recently in North Arcot. I enclose a copy of the Local Fund Engineer's letter for the information of Government together with a copy of the D. O. addressed to him by the North Arcot, D. P. W. Engineer.

I have the honor to be
Sir
Your most obedt. servant,

Vice President
for President, D.B.

Superintending Engineer's Office, Chepauk, 5 AUG 93, P.W.D. 5th Circle

Local Fund Department

FROM

THE PRESIDENT,

District Board,

SOUTH ARCOT,

To,

The Chief Secretary to Government,

Local and Municipal Department,

MADRAS

thro' the Superintending Engineer V Circle, Madras

Dated 1st
Despatched 3rd August 1893
Received

Ref. on Regr. No. 351/Eng of 1893.

Enclosures. 54 (per packet post)

Subject.

Pro E-x-6
7250/93
88/10/93

Submitting for sanction a revised Estimate for Rs 6900 7730 for the Construction of a permanent Causeway across the Mallatar.

Superintending Engineer's Office, Chepauk, 10 OCT. 93, P.W.D. 5th Circle

13/10

Forwarded to the Superintending Engineer, V Circle, Madras, with reference to his footnote No. 382 M dated 23rd September 1893.

Cuddalore 9.10.93

President D. Bd.
S. Arcot

V C

Pro: E-1
8876/93

E.I. 17-10-93

Engk 514/93

SOUTH ARCOT CIRCLE.

Local Fund Public Works.

3035/10

From,

The Local Fund Engineer,

South Arcot.

To,

The President, District Board,

South Arcot.

Station. Viravandy

Dated 3.
Despatched 4 October 1893.
Received

No. 667

Enclosures. 4

Collector's Office 6 - OCT. 93

Sir,

I have the honor to resubmit the Estimate and Plan for the construction of a Causeway across the Mallatar prepared in accordance with the instructions contained in the Chief Engineer's No. 881 D communicated with your footnote Ref: on Register No. 485/Eng dated 25th September last.

I have the honor to be
Sir,
Your most obedient servant

Local Fund Engineer

Public Works Department.

3035
T6

Current No. 8896

Letter No. 382 W

Dated 19th October 1893

From the Supdg Engineer V Circle.

NOTE BY TECHNICAL SECTION.

Name of work Constructing a causeway across the Malattar on the 22nd mile of Salem frontier road via Pam:-uttey. South West District

Amount of Estimate Rs 4540

With reference to this office D. 881 D dated 8th Sept 1893, the Supdg Engr V Circle submits a fresh estimate amounting to Rs 4540, prepared by the Dist Board Engineer as per suggestions contained in the memo under reference for constructing a causeway across the Malattar river on the first quarter of the 22nd mile of Salem frontier road via Pamuttey.

This estimate now provides for the floor level of the causeway being kept 6 inches below the bed of the river. This level is to be 10.30 & is to be maintained for a length of 210 feet in mid stream with inclined approaches of 1 in 13 on either side to a length of 95 feet east & west of the centre portion terminating at a level 17.50 W. at

The causeway is to consist of 2 longitudinal walls each 400 feet long 2 feet wide & 4 feet deep & the space between filled in with concrete to a depth of 2 feet & to a width of 14 feet as per plan. There will be a rough stone apron running the whole length of the causeway on the down stream side, 9 feet wide & 1½ feet thick, packed to a slope of 1 in 9.

The following rates are in excess of the Divisional schedule.

Brick in chunam — Rs 15.10.. against 15...
Large rough stone well packed 19.3.0 .. do .. 13....
Excavation in sand — 2.8.... do .. 2....

If schedule rates be adopted the saving will be Rs 405 but data lists are submitted for the rates in question.

An estimate amounting to Rs ~~10345~~ 9,790 was originally submitted for the work & sanctioned in G.O. No. 1999 W dated 2d August 1893. Since then a fresh estimate was submitted amounting to Rs 7,700 based on the design adopted for the Palar causeway. The accompanying estimate has now been framed as per suggestion of the Chief Engineer.

The estimate & plan have not been countersigned by the Presidt. Dist. Board but the former estimate has been approved & sanctioned by the Dist. Board in proceedings dated 29th July 1893.

The amount of the present estimate being within the power of sanction of the Dist. Board may under para 36 of the Local Fund rules be returned to the Local & Municipal Dept. for sanction by the Dist. Board.

30.x.93

Return for sanction
OVB
3.xi.93

B

B-1

No. 382 W

328

SUPERINTENDING ENGINEER'S OFFICE,
V Circle, Madras,
Chepâk, 19 October 1893.

From
J. C. Larminie Esquire
SUPERINTENDING ENGINEER, V CIRCLE,

To
THE Chief Engineer
P.W. Department

Enclosures.

SIR,

I have the honor to forward the enclosed Plan Estimate &c. for constructing a permanent causeway across the Malattar on the 22d Mile of Salem Frontier Road via Panruti in South Arcot District, revised in reference to the Suggestions contained in your Memorandum No. 881 D dated 20th September 1893.

2. The

2. The enclosures sent are –

1. Extract from Proceedings of District Board South Arcot dated 29th July 1893 with two letters.

1. Letter addressed to the Secretary to Govt. L and M Department No. 351 d/1st August 1893

1 Data List.

1 Specification.

1 Detail Estimate.

1 Abstract Estimate

1 Endorsement of President District Board d/9th October 1893 on L. F. Engineer's letter No. 607 of 3d idem.

1. Plan.

I have the honor to be
Sir
Your most obedt Servt

Supdg. Engineer V Circle

P. W. D
3035/12/P-3

Note by the Chief Engineer, P.W.D

The Superintending Engineer V Circle submit the estimate for a Causeway across the Malattar in the South Arcot District revised in accordance with the instructions containe in the Chief Engineer's Memo. No. 881 D d/ 20 Septr. 1893 and the estimate now amounts to Rs. 4,540. On further Consideration it is thought advisable to allow a concrete bed for the side walls, 2' deep and 5' wide, which will cost about Rs. 685 and this addition raises the

estimat

estimate to Rs. 5225 for which the sanction of Govt. is recommended.

OWB
15/11/93

E.W.
15.11

3035/19 B-4

PUBLIC WORKS DEPARTMENT.

No. 3035 W d/ 23rd Novr/93

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the S.E.V Circle No: 382 W d/ 19.10.93
Note by the Chief Engineer P.W.D d/ 15-11-93

W
22 Nov.

The estimate, as amended by the Chief Engineer, amounting to Rs. 5225, for constructing a Causeway across the Malattar river at the 22" mile of the Salem Frontier road via Panruti in the South Arcot District, is sanctioned in supersession of the estimate of Rs. 9790 sanctioned in G.O. No: 1999 W. d/ 2nd August 1893.

2. This sanction has been registered as Local

(40—2,000—11-10-93.)

Local No: 30 W of

1893-94.

15/11/93

16/11/93

CHIEF SECRETARY
16 NOV 93
GOVERNMENT OF MADRAS

The Hon'ble the Chief Secretary [illegible]

Local and Municipal [illegible]

for favour of [illegible]

DESPATCHED
[illegible] DEC. 93

Despd
4/12

Do

The S.E. [illegible] Circle

" Local and Munpl. Depr (5)

with plans & estimates

" Editors' Table

C.S. 15/11

14

C No. 8876

Govt. of (1893) Madras.
PUBLIC WORKS.

G.O. 23rd Novr 3, N. 3035W

Causeway

=

ward
timate of Rs 5225
constructing a —
cross the Malattar
iver at the 22nd mile
of the Salem frontier
road via Panruti
in S. Arcot district
sanctioned

J.C. 24th/

24/11