Public Works (1899) Department.

G.O., No. 426 I

Dated 9 May 1899.

[Despatch Abstract.]

Manideveram Reservoir Project

Estimate of Rs 3,000 for the investigation of the ____ in the Nellore [redacted], sanctioned with remark

7-E I.

[P. W. 2 / 3,000—29-3-99.]

Indexed. 12/5

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Public Works (1897) Department.

CURRENT No. 3650

From the Chief Engr for Irrgn

Order

No. 92 I.

Dated 27-4-99

Received

Registered 3-5-99

Enclosures 2

Spare copies.

SUBJECT.

Manadawaram Reservoir —

Note recommending for sanction an estimate for Rs 3000 for the examination of the site for the

—

S/

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate of Rs 3000 for the investigation of Manimedavarain Reservoir Project - Nellore

UNDER date the

From the Supg: Engineer II Circle – № 85 C. dt 29th Dec 1898.

To ——— do ——— № II/3 N.L. dt 18th January 1899.

From ——— do ——— № 116 C. dt 28th — do —.

To ——— do ——— № II/7 N.L. dt 10th Feb: 1899.

From ——— do ——— № 110 C. dt 7th April 1899.

READ the following

Note by the Chief Engineer for Irrigation № 922.

The accompanying estimate of Rs 3000 submitted by the Supg: Engineer, II circle, provides for ~~examining~~ ~~investigating~~ the nature and ~~quality~~ depths of the rock ~~in the bed and on~~ suitable for foundations of a masonry dam at the site ~~the banks of the Gundalacama~~ selected by Mr. Ussher ~~near site of the Manidavaram~~ for a reservoir at Manidavaram ~~reservoir in the Kellore~~ across the Gundlacamma ~~district which is being~~ in the Nellore D^t ~~investigated with the view~~ ~~of extending irrigation~~. The estimate may be sanctioned, the necessary funds being provided from the reserve at the

Has A

Issue

2.5.99 WH

I

J.E.I.

A.S.H.

The disposal of Government under "Provincial. 43. Minor works and Navigation."

Order thereon No 1426 I 899. 5.99.

The following estimate is sanctioned:—

Irrigation
43. Minor works & Navigation.
Minor works for which neither Capital nor Revenue Accounts are kept Prov.
Original works.
Nallare Division.
Investigation of Manimuvaram reservoir project.
Estimate . . . : Rs 3000.

2. This sanction is registered as No 10 I of 1899-1900.

3. The following transfer of funds is sanctioned:—

Irrigation
43. Minor works & Navigation.
Minor works for which neither Capital nor Revenue Accounts are kept Prov.
Ordinary works.

From
Reserve—
Minor original works. Rs 3000

To
Nallare Divn
Major original works. Rs 3000.

27.4.99

To meet the proposed outlay Rs 3000 are appropriated from the reserve under "Provincial - 43 Minor works for which neither Capital nor Rev: Accts are kept. P. Wks. Ordinary Works."

27/4 99.

To. CE 25/4/99
The Chief Engr for Irrign:
" Supdg: -do- II Circle
" Examiner of Pub Accts

P. L. Form No. 1—1,000—21-4-98.

25-4-99.

Public Works (1899) Department.

CURRENT No. 78 K.S.

From
The Superintending Engineer
II Circle.

Order
For orders.

No. 1103

Dated 7th April 1899
Received 10 — do —
Registered
Enclosures 2.
Spare copies

SUBJECT.

Investigation of Manimuvaram Reservoir Project—

Submitting an estimate for the — for approval and early sanction and also for appropriation of funds.

Recd 29.4.99

CE I
CE 29/4/99

CE I

CE 2/4/99 Sanctioned 2/4/99

8/4/99

BACK PAPERS.

No.	Date.
K2K	29-12-98
I3N2	18-1-99
Rush	17-3-99

FURTHER PAPERS.

No.	Date.

Superintending Engineer's Office, JJ Circle,
Bezwada, 7th April 1899.

No. 1109

From

Superintending Engineer,
II Circle,

To

The Chief Engineer
for Irrigation.

CHIEF ENGINEER FOR IRRIGATION
10 APR 1899
No. 78 K5

Sir,

Enclosures. 2.
1. Lumpsum estimate
1/2 Report

I have the honor to submit herewith for your approval and early sanction of Government and appropriation of funds, an estimate amounting to Rs 3000 for the Investigation of Manidheram Reservoir Project referred to in your memo No II/3NL dated 18th January 1899.

returned herewith in connection with this letter No 1688 dt 19-4-99 Mb

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

Hannah
Superintending Engineer II Circle

BACK PAPERS.

Public Works (1898) Department.

IRRIGATION BRANCH.

II

ISSUE No. 7 N L

To

The Supg Engineer 2nd Circle

(Reply to letter No. 116-C, dated 28 Jany 1899

Dated 10.2.99

Despatched 13.2.99

Enclosures *

* Particulars of Enclosures.

SUBJECT.

Mannadavaram Reservoir
States that his letter regard
the investigation of projects
Nellore was sent to the Boa
of Revn for opinion and regu
investigate and report the nat
and quality of the rock a
proposed site of — referred
in this office No 3 NL dt 9

Indexed

See R no 103 Irr/99 from Bd 4/2/99

Rec'd 26/2/99

BACK PAPERS.

E. I. Form No. 13—2,000—4-6-98.

BACK PAPERS.

No.	Date.
R 11 N 2	28-1-99

Sent to Government with No. I.,
dated 189 .
Printed with G.O., No. I.,
dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
„ 2 „
„ 3 „
„ 4 „
„ 5 „

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
Right	25-2-99
R 103 R	17-3-99
Rights	7-4-99

Papers
R 11 N 2/99
I 3 N 2/99 & papers noted thereon

Draft for approval
flag H —

Remarks still awaited -
vide BP. 3610 Mis - 21.7.99
flagged N -

vide Sec. II letter No 269 I 3 dy 5.7.99

Draft
5/8/99

N° II / 7. N.L dy 10.2.99

—

Memo

—

His N° 116. C. dy 28.1.99

—

The Sec. II is informed that his letter N° 27. C. dy 18.11.~~99~~ 98 was sent to the Board of Revenue for opinion and its remarks are awaited. Meanwhile the Sec. is requested to be good enough to investigate and report at an early date the nature & quality of the rock in the bed and on the banks of the river referred to in this office Memo N° II / 3. NL dated 18th January 1899.

W. H

14/2

To
The Supg. Engineer
2nd Circle

9.2.99

BACK PAPERS.

Public Works (1899) Department.

CURRENT No. 11 N.L

E.1. For orders -
In this memo to which the Ld.s letter is a reply he was asked to investigate nature of rock at proposed site of Nonedevasam reservoir & to make Bl.s for reservoirs with diff.t F.S.Ls. He S.E. seems inclined to reject the site but awaits information as to the area avail.e for cultivat.n from Collect.r he also await.s remarks of the Rev. Board on the several proposals made -
Orders are required whether S.E. may be informed that we await remarks of Rev. Board and requested in the meanwhile to investigate the nature of rock &c as requested in memo II 3 N.L. or whether the paper may lie over the receipt of remarks of Board of Rev.

JH 8/2/99.

flag N.

From S.S II

Order

No. 116 C

Dated 28 Jan.y 99

Received 3 Feb.y 99.

Registered

Enclosures

Spare copies

SUBJECT.

Annaiji Project and the Mamadavanam Reservoir —

Reporting on the question of the area to be commanded by the —

Note

Connected papers sent to Board for remarks, have not yet been returned

July 9/1899

for a suitable ayacut

Ques II 2650/89

1 cls 7/7/99

BACK PAPERS.

No.	Date.
R1082	18-11-98
D3 N.L	18-1-99.

FURTHER PAPERS.

No.	Date.
D7 N	10-2-99
R103 N	17-3-99
R78 Ks	7-2-99

No 116 C

Superintending Engineer's office
II circle, Camp Duggiala 28-1-99

From,

J. Hannan Esquire,
Superintending Engineer II circle

To,

The Chief Engineer
for Irrigation.

Sir,

With reference to the 1st remark in your memo III/3 NL dated 18th January 99 I beg to state that I think when you penned it you must have overlooked the latter part of para 6 of my letter no 27C dated 18-11-98. from which you will see that it is rather premature to take it for granted that the area in question will be available for wet cultivation. I have not yet heard from the Collector in the subject.

2. This point is important as if the ryots on this area do not want water, we will have to look out for a suitable ayacut

3-FEB. 1899
11 NL

* R no 108 N 98
Sent to Board of Revenue with S.O.
Endt No 249
1.2.99
mh

elsewhere and from what I have seen of the country between Amangi and the site of the proposed reservoir at Monedenaram, I am not very sanguine of finding it.

I have the honor to be
Sir,
your most obedient servant,
W Harness
Superintending Engineer II
circle,

From,

The Superintending Engineer
Circle

Dated - 28th January 1899
Despatched 29- do
Received -

Enclosures. Nil

No 116C

Subject

Anangi Project and Reservoir
at Tumbunaram

Reporting regarding the ayacut
under

Public Works (1898) Department.

IRRIGATION BRANCH.

II

ISSUE No. 311

To The Supg Engineer 2nd Circle

(Reply to letter No. 85C, dated 29-12-98.

Dated 18-1-99
Despatched 21-1-99.
Enclosures - 5

* Particulars of Enclosures.

1 Sketch map of Tumbunaram Reservoir
1 Proforma No. 1947/98
1 Statement A
1 do B
1 Mr Casebow's report.

I suppose all the enclosures received vide Rc No 2 dt of 99 are to be returned to the SE. (and 99 returns the statements with Mr Casebow's report which are duly to be back, as

SUBJECT.

Manadavaram Reservoir
Remarks on the proposals
to improve the capacity of
and states that it is impo
to give any particulars rega
until the work and quali
the roll in the rains, on w
depends, have been a

Inder
21/1/99

E. I. Form No. 13—2,000—4-6-98.

BACK PAPERS.

No.	Date.
R2 N2	29-12-98

t to Government with No. I.,
dated 189 .
Printed with G.O., No. I.,
dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
" 2 "
" 3 "
" 4 "
" 5 "

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R11 R2	28-1-99
R103 R2	17-3-99
R75 R2	7-4-99
R76 R2	20-4-99

Papers-
R2 N2/99
I24/99
I's note for Orders of 6-12-98
I16 / 26-1-98
R48 N2/97
I42 N2/97
R82 N2/94
I52 N2/94
I348 M/94 & papers noted
thereon

E 5
To D E I for perusal
VCR
18/1/99

II
No 3 N2 dy 18-1-99

S. E. II

With reference to the S. S's letter No 85 C dy 29-12-98 the undersigned has the honour to make the following remarks.

1°. It may apparently be taken for granted that there is an irrigable area easily commanded from the proposed site of the Anicut, sufficient to utilize all the water that can be stored but the practicability of constructing a large reservoir is still not quite clear.

2°. The drainage area at Mosur Devaram (excluding the catchment of the Cumbum Tank) is 1630 Sq. miles and the probable run off 4 inches depth or 1547 m.c.ft. in a year of average rainfall but it cannot be concluded from this that it could be arranged to irrigate anything approaching 75000 acres, as the rainfall is very precarious and as the

from a Reservoir of
15000 m cft capacity

bad years come two or three
in succession. At Cumbum
the average annual rainfall
is 25 inches but the minimum
is only 7 inches and it is only
by having storage of about
400,000 c.ft per acre that
regularity in the cultivation
under the Cumbum Tank is
assured. The capacity of the
Cumbum Tank appears to be
rather more than the amount
of the annual run-off into
it (see pencil calculations
in the statement accompanying
Mr. Ritchie's report) and
it supplies only during a
succession of good years. It
would therefore appear that
there would be little use in
making the Nanaderoora
reservoir of much greater capacity
than 15000 m.c.f. With
this capacity we could not
depend on being able to give an
unfailing supply for more than
37500 acres (including any
existing irrigation).

3°. The question to be settled is
whether a reservoir of this capacity or something more
can be constructed. There is
as yet no information as to the nature
of the rock in the bed

3

and on the banks of the river
and until information is obtained
nothing can be settled. The
Supt. Engr. should have a
proper investigation made.
The rock may either be too
bad for foundations or of
good enough for foundations
may not be so good as to
permit water surplus being
discharged over the
dam. In the latter case, in
fact in any case, alternative
estimates will have to be
made showing the cost of
the reservoir with different
full supply levels. Account
will have to be taken of the depths
which could be passed over
or escape at the sandbar
without destructive flooding
of any large area and
admissible max. flood level
and the comparative cost of
raising the dam and deepening
the escape. It is impossible
to give any particulars respecting
what the level and quality of
the rock in the river, on which
all depends, have been ascertained

WH 10.1.99

Public Works (1898) Department.

CURRENT No. 2 N.L

From S.E. II

Order
E.I.
12/1/99.

No. 85C

Dated 29-12-98

Received 4. Jan 99.
Registered

Enclosures 1 plan & 4 other papers.

Spare copies –

SUBJECT.

Manadavaram Tank Reservoir — Furnishes the further inform^n promised in connection with the —

D.E.I

Mr Hoshes report on his investigation of projects in the Vellone N^t & the P.S's letter refd to within are now in circulation with H.E.
5/1/99

Hoss
10/1/99 ✓

12 Encls

BACK PAPERS.

No.	Date.
R108 N.L.	21-11-98

FURTHER PAPERS.

No.	Date.
13N	18/1/99
K112L	28-1-99
K103N	17-3-99
K98K	7-4-99

Superintending Engineer's Office, II Circle,
Camp Bezwada, Bezwada 29-12-1898.

No. 85C

From

SUPERINTENDING ENGINEER,
II CIRCLE,

To THE Chief Engineer
for Irrigation.

4-JAN. 1899
2 N.L.

SIR,

Enclosures. 4+1

With reference to para 7 of my no 27C 18-11-98
I am sending in a separate packet the longitudinal section at site of the proposed Mouledavarden Reservoir. and Mr Tesshers report in original no 581 22-11-98 with enclosures.

If it be decided to work out this project, one of the following three methods might be adopted.

1. Build the dam which must be of masonry to the full height of 100ft plus bed to command the ridge over which the surplus is to go.
2. Only raise it to the height necessary to impound the water likely to be available and lower the site at surplus.
3. Adopt the latter alternative as regards the height of the dam and let the surplus go over it.

I see no objection to the first proposal.
The land that would be swamped in exceptional years would only be rendered the more valuable by each
swamping

swamping. I said in my report quoted above that the bed of this tank is waste land. This is not quite correct. It may be described as poor waste land with hamlets and patches of cultivation here and there.

The second proposal would be too costly in all probability. The ridge is wide and this rock though hard enough to require blasting, Mr Tusher informs me is not good enough to be utilised for constructing the dam.

The latter proposal would be the cheapest and if the rock is sufficiently good to build on, it will at all events with the aid of a water cushion be feasible I think to let the surplus go over it.

If you consider the project worth investigating, the first thing to do will be excavate a trench down to good rock along line of dam and to localize the land to be irrigated by taking flying levels down the valley — on the left side of river as all the land on the right is I am informed Zemindari.

Please return Mr Tusher's letter and its enclosures.

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

Hommon

Superintending Engineer II
Circle.

From

The Superintending Engineer
Circle

Dated 29 December 98

Despatched - 2nd January 99

Received.

Enclos: 4+1=5

No 85C

Subject.

Mauradenam Lank Reservoir -

Furnishing further information furnished in yours of No 27C of 18-11-98 in connection with ——.