



G.O., No.

1172
1183

DATED

5 February 1901

(52)

29-1-01

8-50-51

[Despatch Abstract.]

Kumathur Tank & Channel, Madras Dt. Estimates
 17890 for improving & repairing the ———,
 channel, with remarks; & a copy of the Pres., order
 forwarded to the Govt. of India.

Kumathur Tank & Channel, Madras Dt. For-
 warding copy of Pres. sanctioning, with remarks, esti-
 mate of Rs 17890 for improving & repairing the ———

442

IRRIGATION.
ACCOUNT.

2
117-2

Government {1901} of Madras.
PUBLIC WORKS.

Recd.

} 1901.

Enclosures

Revd.

Spare copies

G.O., Nos. 117, 118 I., 5th February 1901.

FEBRUARY.

Kunnathur Tank and Channal, Madura District

Forwarding copy of Proceedings sanctioning, with remark, estimates of Rupees
17,190 for improving and repairing the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

| | |
|-----------------------------------|--|
| From the Superintending Engineer, | VI Circle, dated 2nd Aug. 1894, No. 563 M.D. |
| To the | " " VI " " 6th " " VI/27 M.D. |
| From the | " " VI " " 13th June 1897 " 849 M.D. |
| To the | " " VI " " 19th " " VI/69 M.D. |
| From the | " " VI " " 22nd " 1898 " 865 M.D. |
| " | " " VI " " 29th " " 59 M.D. |
| " | " " VI " " 13th Oct. " 1395 M.D. |
| To the | " " VI " " 20th " " VI/101 M.D. |
| From the | " " VI " " 15th April 1899 " 586 M.D. |
| To the | " " VI " " 2nd June " VI/49 M.D. |
| From the | " " VI " " 18th Oct. " 1581 M.D. |
| " | " " VI " " 6th Sept. 1900 " 1041 M.D. |

ENCLOSURE.

REPORT to accompany the Estimates for Improvements to No. 165, Kunnathur Channel and large tank.

| Amount of estimate | { Original Repairs | ... | ... | ... | ... | ... | Rs. |
|--------------------|-----------------------|-----|-----|-----|-----|-----|--------|
| | | | | | | | |
| | | | | | | | 6,050 |
| | | | | | | | 9,740 |
| Total ... | | | | | | | 15,790 |

The tank is one of those proposed to be maintained by the Public Works Department which has been approved of in G.O., No. 710 I., dated 19th August 1896. It is situated about 10 miles east of Madura and is classed as Imperial No. 165 in the list.

Supply.—The Kunnathur offtake of the 9th branch channel of the Periyár channels terminates at about 3 miles above the tank and drains into its catchment basin, so that the tank may readily be supplied with Periyár water through the natural drainage streams. It is not, however, intended to abandon the old river supply channel which takes off with an open head from the left bank of the Vaigai within the limits of Sakkimangalam village at a point nearly 6 furlongs from the right flank of Sakkimangalam tank.

Kunnathur Channel.—This channel also supplies Devas'anam Inam Karseri and Sakkudi tanks irrigating 159 and 365 acres, respectively. These tanks are not commanded by any of the Periyár channels. The proportionate contribution towards the repairs and improvements to the channel is shown in separate statement.

It is proposed to clear the silt in the channel from cross section No. 8 to the end, as the portion above cross section No. 8 was cleared of silt in August last under an emergent repair estimate sanctioned as Register No. 77 of 1896-97 for Rs. 415. The bed fall of the channel from the head to cross section No. 27 is 1 in 1,331 and from cross section No. 27 to end 1 in 2,288. The channel below cross section No. 27 will discharge 90 cubic feet with a depth of $\frac{1}{2}$ feet. The small bends in the channel will be straightened as far as possible.

Channel Banks.—Care will be taken not to form any bank on the right side when excavating the channel from cross section No. 8 to cross section No. 21 and the flood water will be allowed to spill over without doing any harm. A right bank 7 feet above the bed will be formed from cross section No. 22 down to the end with a top width of $4\frac{1}{2}$ feet and side slopes $1\frac{1}{2}$ to 1. Nanal grass will be planted in places (from the island to cross section No. 8, cross section No. 9 to cross

section No. 13, and cross section No. 17 to cross section No. 20) where the channel runs along the margin of the river to prevent the encroachments of the river on the channel. The M.F.L. of the channel at cross section No. 11 is assumed to be the same as that of the river which has been fixed to have the same flood section as that observed at Madura in 1884.

The existing calingulah at 5,050 feet, cross section No. 11, will be revetted at its ends to the level of the existing bank level. As the F.T.L. of Karseri tank is 86.50 and the bed level of the channel at the present head of Karseri supply channel is 86.15, no dividing or regulating dam is considered necessary, but one will be built at the head of Kunnathur and Sakkudi channels, as the ryots under Sakkudi tank lower the bed of the supply channel and take more water than they are entitled to during times of scarcity. The proportion given to the Sakkudi branch is slightly increased proportionately to the ayacut as the bed fall is smaller. The aqueduct at cross section No. 21 is in ruins and a palmyra spout for irrigating the Sakkimangalam fields (about 10 acres) on the right side of the channel will be built in its place.

The existing under-tunnel at cross section No. 26 will be repaired, for which a lump sum of Rs. 200 is provided in the estimate, as it is impossible at present to ascertain to what extent the work is in need of repairs.

Tank Surplus Arrangements.—The maximum flood discharge entering the tank is 3,990 cubic feet. The surplus is at present disposed of by a mamool cut at right flank, by escapes over rock at 9,100 feet, 9,700 feet, 12,300 feet and 12,950 feet, and by a natural byewash at left flank.

As the ground at the right flank has been much scoured, it is proposed to construct a weir 100 feet long with four tambogies as per accompanying plans. This is the only site with a proper surplus channel. The escapes over rock will be repaired to the extent shown in the detail of the estimate. A lump sum of Rs. 50 is allowed to level and lower the approaches of the natural byewash (No. 6) at the left flank of the tank. The flood discharge now provided for is 3,990.9 cubic feet. Apparently, the tank has never breached, and if the time of filling the tank from F.S.L. to M.W.L. be taken into consideration, it seems probable that the new weir might be dispensed with although the discharge otherwise provided is only two-thirds of the theoretical discharge; since it would take a flood discharge of 3,990 cusecs a week to fill the tank neglecting both the increasing area of waterspread and discharge over the existing weirs and byewashes.

Irrigation Sluices.—Sluices Nos. 1, 2, 3 and 6 will be reconstructed as they are all in a dilapidated state. No. 4 sluice requires a tower head and a rear cistern, while No. 5 will be provided with a tower head. As the ayacuts under sluices Nos. 2 and 5 are large, screw-gearing is provided for them.

Tank Bund.—The tank bund will be 6 feet wide at top with side slopes $1\frac{1}{2}$ to 1 and will be 4 feet above M.W.L. from 0 to 3,200 and 11,000 to end, and 5 feet above M.W.L. from 3,200 to 11,000 feet. The bund from cross section Nos. 10 to 19 and cross section Nos. 23 to 26 will be revetted to 2 feet above M.W.L. The soil with which the bund has to be made is extremely poor and it is proposed to gravel the top.

The work will be carried out according to the standard specifications current in the department.

(Signed) T. W. S. SMYTH,
Executive Engineer, Periyár Works.

23rd August 1897.

No. 10 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, VI Circle, submits estimates, aggregating Rupees 15,790, for improving and repairing the Kunnathur tank and channel in the Madura district, which is one of the tanks under the influence of the Periyár project ordered to be maintained in G.O., No. 710 I., dated 19th August 1896, and states that he agrees with the Executive Engineer, Periyár Works, in considering that the cost of putting the maintained tanks in proper order cannot be fairly charged to the Periyár project, as if it had not been for the project, these tanks would have been put into proper order long ago. He considers that the cost should be charged to "Provincial —Tank Restoration Works." The reasons for and against charging the repairs to the project are stated in the correspondence printed with G.O., No. 710 I., dated 19th August 1896, and it was decided in G.O., No. 176 I., dated 20th February 1897, that it would be in accordance with the usual practice to charge the repairs to the project, as in fact the grants for minor works are so reduced that assistance cannot very well be given from Provincial funds. There seems, therefore, to be no choice but to charge the work to the project "Capital" or "Revenue" according to the rules applicable in each case.

2. The Superintending Engineer having been asked to state what the project would gain by supplying the Kunnathur tank with Periyár water, reports that the lands under the Kunnathur tank were raised from class II to class I since the commencement of the Periyár project, the enhanced rate of assessment being 1 rupee per acre, and the total increase in revenue Rs. 632. He states that no extension of irrigation may be expected. The tank irrigates 1,856 acres, of which 1,332 acres belong to Government, 159 to the Inam Karseri Hukdar and 365 to the Madura Devastanam. Out of the contribution of Rs. 355 due from the inamdars, a portion has been recovered. The Collector of Madura suggests that the balance may be recovered by a suit after the repairs are executed. The estimates may be sanctioned, the estimate for improvements being charged to "49." Open Capital Account of the Periyár project and that for repairs to "42. Maintenance and Repairs."

3. The improvements are classed as "Remunerative." The work will probably be completed by the 31st March 1902.

17th January 1901.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 117 I., dated 5th February 1901.

The following estimates are sanctioned, Rs. 355 of the proposed outlay being met by contribution from the Karseri Hukdar and Madura Devastanam which may be recovered by a suit, if necessary, after the completion of the work :—

Capital Expenditure not charged to Revenue.

49. Irrigation.

Periyár Project.

Open Capital Account.

3. Distributaries.

Remunerative Work.

Improvements to Kunnathur Tank and Channel.

3. Works.

| | RS. |
|---|-------|
| 1. Masonry weir at 150 feet | 2,060 |
| 2. Reconstructing sluice No. 1 | 690 |
| 3. " " 2 | 780 |
| 4. " " 3 | 990 |
| 5. Providing tower head to sluice No. 4 | 320 |
| 6. " " 5 | 240 |
| 7. Reconstructing sluice No. 6 | 490 |
| 8. Dividing dam at 12,300 feet | 420 |
| 9. Palmyra spout at 9,200 " | 60 |

| | |
|----------------------|-------|
| Total, I. Works | 6,050 |
| II. Establishment | 1,391 |
| III. Tools and Plant | 9 |
| Total | 7,450 |

42. Major Works (Working Expenses).

Periyár Project.

Maintenance and Repairs.

3. Distributaries.

Repairing Kunnathur Tank and Channel.

| | |
|--------------|-------|
| 2. Works | 4,917 |
| 3. Earthwork | 4,823 |
| Total | 9,740 |

2. These sanctions are registered as Nos. 173 I. and 174 I. of 1900-1901. The sanction under the Open Capital Account will expire on the 31st March 1902.

24/11/74

3. Ordered that a copy of these Proceedings be forwarded to the Government of India, for information, with reference to the sanction accorded under the Open Capital Account of the Periyár project.

[Here enter No. 118 I., dated 5th February 1901.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle.
„ Examiner, Public Works Accounts.

ENDORSEMENT—No. 118 I., dated 5th February 1901.

Forwarded.

(By Order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Public Works (1902) Department.

$\frac{5}{117}$ CURRENT No. 4142

Order—

From

The Supp. Engrs
6th Circle

No. 5627th

Dated 2nd Aug 1894

Received

Registered

} 3rd do —

Enclosures { Plans
Other Papers

Spare copies

SUBJECT.

Munnathone Large Tank
and Channel - Submits
for sanction an estimate
of Rs 13,400 for improving
the —

OFFICE OF THE SUPERINTENDING ENGINEER.

No. 563 md,

6TH CIRCLE,

Trichinopoly,

2^d August 1894

FROM

Major, C. V. Baddeley R.E.

THE SUPERINTENDING ENGINEER,

6th CIRCLE.

TO

THE CHIEF ENGINEER,

for Irrigation
Madras.

SIR,

ENCLOSURES

12

I have the honor to submit for your approval and sanction of Government an estimate amounting to Rs 13400, accompanied by report, plans and Ayaacute statement for Improving the Kinnathur large tank and channel No 165 in Mr Russell's list of Irrigation minor works in charge of P. W. D. in the Madura Taluk of the same District.

2. This tank and channel irrigate 1886 acres, of which 1332 acres are Government land, 159 acres Imam and 365 acres belong to the Madura Devasthanam.

3. The estimate comprises the following items:—
Channel

From head to offtake No. 1 to supply the

| | Rupees. |
|---|--------------|
| clearing silt and raising bank — | 1113. |
| (2) Planting kanal — | 204. |
| (3) Rough stone revetment — | 1278 |
| (4) Gravel backing — do — | 142 |
| (5) Contingencies & Petty Supervision — | 218 |
| (6) Improving Calingulah — | 1170 |
| 7. Aqueduct — | 93. |
| | <u>4218.</u> |

From offtake No 1 to offtake No 2

to supply the Sakkudi tank. —

| | |
|--|------------|
| (8) Clearing silt and raising bank. | 260 |
| (9) Contingencies and Petty Supervision. | 21. |
| (10) Repairing under tunnel — | 50 |
| | <u>331</u> |

From offtake No 2 to the
Kumathur tank —

| | |
|--|--------------|
| (11) Clearing silt & raising bank | 803. |
| (12) Contingencies & Petty Supervision — | 51 |
| | <u>854</u> |
| Total | <u>5403.</u> |

Tank.

| | |
|--|---------------|
| (13) Repairing & improving the bund | 7180. |
| (14) Do. sluice Nos 1 to 5 — | 100. |
| (15) Do. Escape or byewash No 3. — | 10 |
| (16) Converting Calingulah No 4 into escapes | 74. |
| (17) Constructing sluice No 6. — | 580. |
| (18) Converting Calingulah No 5 into escapes | 53 |
| Total | <u>7997</u> |
| | <u>13400.</u> |

7
11
7

4. The following statement shews the estimated cost of the proposed improvements and the amount of contribution to be paid by the parties concerned in proportion to the acreage supplied by the channel

| Particulars of Estimate. | Total Estimate for each head. | Total acreage to be apportioned. | Cost of improvements in proportion to the acreage supplied | | | | | |
|---|----------------------------------|-------------------------------------|--|-------|----------------|------|-------------------|------|
| | | | Government | | Karseri Hukdar | | Madur Devasthanam | |
| | | | Acre | Cost | Acre | Cost | Acre | Cost |
| Improving Kunnathur Channel from head to offtake No 1 to Kar- seri tank | 42 18 | 1856 | 1332 | 3027 | 159 | 361 | 365 | 83 |
| Improving Kunnathur Channel from offtake No 1 to offtake No 2, to Sakkudi tank | 331 | 1697 | 1332 | 260 | -- | -- | 365 | 7 |
| Improving Kunnathur Channel from offtake No 2 to Kunnathur tank. | 854 | 1332 | 1332 | 854 | -- | -- | -- | -- |
| Total for Channel. | 52 03 | -- | -- | 4141 | -- | 361 | -- | 90 |
| Improving Kunnathur tank | 7997 | 1332 | 1332 | 7997 | -- | -- | -- | -- |
| Grand Total | 13400 | " | " | 12138 | -- | 361 | -- | 90 |

Rs 1262 of the proposed outlay on works plus 309 the prescribed centage for establishment and tools and plant will have to be borne by the Karseri Hukdar and Madur Devasthanam.

5. The collector by whom the estimate has been approved, state

that he has issued orders for the recovery of the contribution from the parties concerned.

6. The Executive Engineer's report attached to the estimate contains full details of the works proposed.

7. The rates are fair and the estimate is recommended for sanction, and for entry in the ensuing years Budget.

I have the honor to be,
Sir,

Your most obedient servant,

O. B. Dutt Major R.E.
Superintending Engineer
Office

Enclosures 12.

Estimate with report & appended statement.

Sheet of Site Survey.

.. of Long^g section of the Cha

.. of Cross section of do -

Plan showing the improvements of the Calingulah in the Channel.

Sketch showing the course of the Channel near the aqueduct.

Plan of aqueduct.

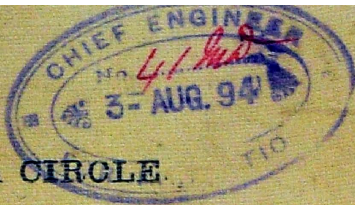
Sheets of Long^g & Cross sections of the tank.

.. showing the improvements of the Calingulah in the tank.

7

8

$\frac{8}{117}$



P. W. D. 6th CIRCLE.

DM

THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

THE CHIEF ENGINEER,

for Irrigation

563 md

ted 2^d } August 1894.
ceived

Enclosures: 12.

*unnecessary large bank
channel: —*

*submit for sanction
80% on estimate of Rs 18400
for improving the —*

Public Works

1894
(490)

Department.

IRRIGATION BRANCH.

ISSUE No.

^{VI}
27 M.D.

To

The Supg Engineer

(Reply to letter No.

, dated

Dated

6 August 1894

Despatched

do

Enclosures *

* Particulars of Enclosures.

SUBJECT.

Kunnathore Tank and
Channel. Requests to
report whether the — will
not be abandoned when
the Periyar Project is completed
and whether if not super-
seded by the Periyar Project
it will not receive a supply
from the Periyar main channel

No 27 M D of 6. 8-24

Letter 32 vi Curia

10/17

563

With reference to letter No 27 M D
dated 2/8/94 forwarding plans
and estimates for the repair of
Kunnathur Tank & Channel the
undersigned has the honour
to request the S2 to report whether
the tank, which is within the
area commanded by the Periyar
Project, will not be ^{abandoned} ~~superseded~~
when that project is completed
& whether, if not ^{superseded} ~~superseded~~ by
the Periyar Project, it will not
receive a supply from the
Periyar main channel. Which
should be taken into account
when calculating the ^{proposed} dimensions
of the existing supply channel

LB
6/80

Public Works (1897) Department.

CURRENT No. 74 M.D.

11/7

Order

No 69 M.D.

From

S to No 019 M.D. of 13 June 97

The Sup^d Engineer
6th circle

The Sup^d Eng^r is requested
to submit at an early
date an est. for the
repair and ^{any} necessary
improvement of the
Kumathur Tank unless
it is within his own
power of sanction

No. 849 M.D.

Dated 13th June 1907

Received 15 June 1907

Enclosures —

Spare copies

SUBJECT.

Kumathur Tank

Informo that it has been
decided in G.O. 7102 of 19th
August 1906 that the —
should be maintained &
that the — will be supplied
by the Kumathur off-take
from the 9th Branch channel

1906

100/100

100/100

100/100

BACK PAPERS.

| G.O. | No. | Department. | Date. |
|------|------|-------------|--------|
| 927 | M. 8 | 794 | |
| R | 41 | ind 7 | 28-94 |
| R | 475 | 8 | 19-876 |

FURTHER PAPERS.

| G.O. | No. | Department. | Date. |
|-----------------|-----|-------------|--------|
| same | 69 | W-D | 19-6 |
| R | 70 | ind 7 | 22-898 |
| R | 578 | 27-27 | |
| R | 40 | ind 7 | 15-9 |
| R | 99 | ind 7 | 17-99 |

No. 849. m. D.

15 17
OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 13th June 1897. 5/14

117
12
From

Robert C. D. Booddy, R.E.
The Superintending Engineer,
6th Circle.

To

The Chief Engineer.

SIR,

for Irrigation

ENCLOSURES.

With reference to your Memorandum
No. ¹¹⁷ 27 Ind. of 1 August 1894, I have the honor
to inform you that it has been decided in
G.O. No. 710 I dated 19 August 1896 that
the Kummattur tank should be maintained,
and to report that the tank will be
supplied by the Kummattur offtake
from 9th Branch Channel of the Periyar
Project.

I have the honor to be,
Sir,

Yours Most Obedt Servant.

R. C. Booddy

Robert C. D.

Superintendent, 6th Circle

5th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

TO

THE CHIEF ENGINEER,

NO.

Dated,

189

Received.

Enclosure.

16
CHIEF ENGINEER
FOR EDUCATION.

15 JUN 1897

No

74 M.D.

17 13/117 13
Public Works (1898) Department.

CURRENT No. 70 MB

Order

From The Supr Engineer
6th circle

No. 865 MB

Dated 22 June 1898

Received 24 — 80 —

Enclosures —

Spare copies

SUBJECT.

Kinnathur Tank & its
supply channel. States
that the estimates for
repairing & improving
the — have been sent
to the collector of Madras
on the 6: January 1898 for
counter-signature and collection
of contribution —

Pages

20nd 2 with dupl

MB 116

1000

1000

BACK PAPERS.

13

FURTHER PAPERS.

| No. | Date. |
|--------------------|----------------------|
| 95-111 | 123 $\frac{5}{98}$ ✓ |
| 69 ^{mo} | 19-6-97 |
| R74 ^{mo} | 13-6-97 |
| I 27 ^{mo} | 6-6-94 |

| No. | Date. |
|---------------------|----------|
| I 59 ^{mo} | 29-6-98 |
| R 125 ^{mo} | 13-10-98 |
| R 57 | 27-2-99 |
| R 40 ^{mo} | 15-4-99 |
| R 99 ^{mo} | 17-6-99 |

No.

865 m. D.

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE,

Trichanopoly,

22nd June 1898.

From

M^r. A. V. Boddy, P.E.
Superintending Engineer,

6th Circle.

To

The

Chief Engineer
for Irrigation

SIR,

ENCLOSURES

With reference to para 9 of your Memorandum of 5th date 23rd May 1898, I have the honor to inform you that agreeably to your of 11th m. D. dated 19th June 1897, two estimates have been prepared for repairing and improving the Trun. nathur tank and its supply Channel, one for Rs. 6050 under original works and the other for Rs. 9740 under repairs. These estimates have been forwarded to the Collector on the 5th January 1898, for countersignature and collection of contribution from the Paraseri Nekkda and

and Dewastanam Sekkudy
Ryots. As soon as the amount
is recovered and the extra
amounts received back
from the Collector, they
will be submitted for
Sanction.

I have the honour
Sir

Your most Obedt Servt

J. J. Noddy Lieut. Col. R. E.

Superintending Engineer
Sixth Circle


22/10/28

15

15
117

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6th CIRCLE.

TO

THE

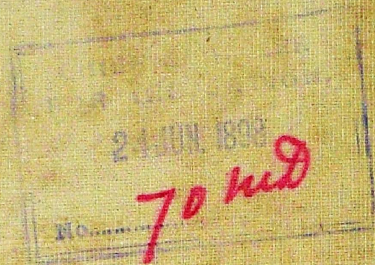
No.

Dated

Received.

}

189



ENCLOSURES.

Public Works

16²³ 8
(1897)

Item 21
Department.

117
16

IRRIGATION BRANCH.

VI
ISSUE No. 59th

To

The Supg Engineer
Basil

(Reply to letter No. 865th dated 27/6/98.)

Dated 29-6-98

Despatched 1-7-98

Enclosures *

* Particulars of Enclosures.

SUBJECT

Kannathur Tank & its
Channel - Requests that
Collector may be reminded
of the matter in connection with
the gates for repairing trap
the - and thus file No 69th
may be brought on the P.G. for
unavoidable reference but is
not disposed of in the mean

Index

BACK PAPERS.

| No. | Date. |
|-------|---------|
| R70md | 22-6-98 |

Sent to Government with No. I,
dated 1897.
Printed with G.O., No. I,
dated 189 .

REMINDERS ISSUED.

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

KEEP-WITHS.

FURTHER PAPERS.

| No. | Date. |
|--------|------------|
| R125md | 13-20-98 |
| R57 | 27-2-99 |
| R60md | 7-18-4-99 |
| R99md | 7-17-10-99 |

17
117

17

VI

No 59 M.D. d/19.6.98

Memo.

With reference to letter,
No 865 M.D., d/ 22nd June 1895,
from the Sup^y Engr, VI Circle,
the undersigned has the
honour to request that
the Collector may be reminded
of the matter, and that
this office memo, No 69 M.D.
of 19th June 1897, may be
brought on the S.E.'s next
unanswered reference
list if not disposed of
in the meanwhile.

H
28/6
98

H
29.6.98

To.
The Sup^y Engr, VI Circle.
LCS
24/6/98.



Public Works (1898) Department.

CURRENT No. 125 m.o.

Order

His Lordship says the
question of the increased
cost of repairing tanks
in the Bengal area -
He thinks it is likely that
the cost of repairs
should not be charged
to the project - see
G.O. 176 of 20-2-97 -
has the cost to be paid?
after check

From

The Supy. Engineer
B. Circle

No. 1395. D.D.

Dated 13th October 1898.

Received 317 - do -

Enclosures 20.

Spare copies

SUBJECT.

No. 165. Kurnia Koor
large tank and its
supply channel
Submit for sanction plans
& estimates connected with the
improvements of

18/10/98

18/10/98

18/10

18/10

BACK PAPERS.

28

FURTHER PAPER

| No. | Date. |
|-------|---------|
| R74md | 13-6-97 |
| J69md | 19-6-97 |
| R70md | 22-6-98 |
| 259md | 29-6-98 |

| No. | Date. |
|-------|----------|
| 201md | 20-10-98 |
| R57 | 27-2-99 |
| R40md | 13-4-99 |
| R99md | 7-7-99 |
| R63md | 6-9-00 |

29
2 EP 19.
117

Report to accompany the estimates
for Improvements to No 165 Kunnatur
channel and large tank.

CHIEF ENGINEER
FOR IRRIGATION.
17 OCT 1898
125 MD.

Amount of estimate.

original - 6000
Rebate - 9750
Total - 15750

The tank is one of those proposed to
be maintained by the Public Works Department
which has been approved of in G.O. No 710
dated 19th August 1896. - It is situated
about 10 miles east of Madura and is
classed as Imperial ~~Assessing~~ No 165 in the
list.

Supply - The Kunnatur offtake
of the 9th Branch channel of the Periyar
Channels terminates at about 3 miles above
the tank and drains into its catchment
basin so that the tank may readily be
supplied with Periyar water through the
natural drainage streams. It is not
however intended to abandon the old
river supply channel which takes off
with an open head from the left bank

of the Vargai within the limits of
Lakkimangalam village at a point nearly
six furlongs from the right flank of
Lakkimangalam tank.

Kunnatur channel. This channel
also supplies Devasthanam Inam Karisori
and Lakkudi tanks irrigating 159 + 365
acres respectively. These tanks are not
commanded by any of the Periyar channels.
The proportionate contribution towards
the repairs and improvements to the
channel is shown in separate statement.

It is proposed to clear the silt
in the channel from cross section
No 8 to the end as the portion above
C. S. No 8 was cleared of silt in August
last under an emergent repair estimate
sanctioned as Register No 77 of 1896-97 for
Rs 415. The bed fall of the channel
from the head to cross section No 27
is 1 in 1331 and from cross section No 27
to end 1 in 2288. The Channel below C.S.

at 21 will discharge 90 C. ft. with a depth of $2\frac{1}{2}$ feet. The small bends in the channel will be straightened as far as possible.

20
17

Channel banks. Care will be taken not to form any bank on the right side when excavating the channel from C. S. No 8 to C. S. No 21 and the flood water will be allowed to spill over without doing any harm. A right bank 7 ft. above the bed will be formed from C. S. No 22 down to the end with a top width of $4\frac{1}{2}$ ft. and side slopes $1\frac{1}{2}$ to 1. Naval grass will be planted in places (from the island to C. S. No 8, C. S. No 9 to C. S. No 11 and C. S. No 17 to C. S. No 20) where the channel runs along the margin of the river to prevent the encroachments of the river on the channel. The M.F.L. of the channel at C. S. No 11 is assumed to be the same as that of the river which has been found to have the same flood section as that observed

been at Kadura in ~~the~~ 1884.

The existing Calingalah at 5050 ft S. 10.11 will be raised at its ends to the level of the existing bank level. The F.T.L. of Hariseri Tank is 86.50 and the bed level of the channel at the present head of Hariseri supply channel is 86.16 no dividing or regulating dam is considered necessary but one will be built at the head of Kunnatur and Sakkudi channels as the ryots under Sakkudi tank lower the bed of the supply channel and take more water than they are entitled to during times of scarcity. The proportion given to the Sakkudi branch is slightly increased proportionately to the ayacut as the bed fall is smaller. The aqueduct at C.S. 21 is in ruins and a palmyrah spout for irrigating the Sakkimangalam fields (about 50 acres) on the right side of the channel will be built in its place.

The existing under tunnel at C.S. 12

3- 4 SP 21

No 26 will be repaired for which a lump sum of Rs 200 is provided in the estimate as it is impossible at present to ascertain to what extent the work is in need of repairs.

Tank.

21
117

Surplus arrangements. The maximum flood discharge entering the tank is 3990 c. ft. The surplus is at present disposed of by a mawool cut at right flank, by escapes over rock at 9100 ft, 9700 ft, 12300 ft and 12950 ft and by a natural byewash at left flank.

As the ground at the right flank has been much scoured it is proposed to construct a weir 100 ft long with 4 tamboogies as per accompanying plans. This is the only site with a proper surplus channel. The escapes over rock will be repaired to the extent shown in the detail of the estimate. A lump sum of Rs 50 is allowed to level and lower the approaches of the natural byewash.

32

lyewash (No 6) at the left flank of the tank. The flood discharge now provided for is 3990.9 c ft. Apparently the tank has never breached and if the time of filling the tank from F.S.L to M.W.L. be taken into consideration it seems probable that the new weir might be dispensed with although the discharge otherwise provided is only two-thirds of the theoretical discharge; since it would take a flood discharge of 3990 cusecs a week to fill the tank neglecting both the increasing area of water spread and discharge over the existing weirs and lyewashes.

Irrigation sluices. Sluice No 1, 2, 3 & 6 will be reconstructed as they are all in a dilapidated state. No 4 Sluice requires a tower head and a rear cistern while No 5 will be provided with a tower head. As the agents under sluice No 2 & 5 are large screw gearing is provided for them.

Tank Band. The tank band

The work will be carried out according to the standard specifications current in the Department.

LW Smith
Electric Engineer
Percin works

23/8/97.

1395. M.D.

23
117

23

From

at 12,000 feet, and
also dividing dam at 12300,

To

for No. 2 to the Kunnathoor
which is for merely clearing

The thing.

Works. Rs 13,675.

23
117

CHIEF
FOR
17 OCT 1898
129 M.D.

Sir,

for repairing the bund and
is, constructing a weir

With constructing four sluices

dated 29 Jan 1898 head & sea.

To submit reports holding lands under
of Government lands are also benefitted
connected and outlay the collector
repairs to not was asked in this office
and its supplied 6th January 1898, to have
Tahsil. Two items collected from the
one under 49 id in accordance with
Rs 6050 and the shares as shown in the
statement and payment, and that officers

2 The les in his No. 46
80 of 98 dated
the tank and 890 that he will address
which 1332 on the subject of the recovery
159 to Guam Section. His reply, where
to Madras to be duly communicated.

3 This and herewith a copy of
the Engineer, Mr. Smyth's

Encl. 20.

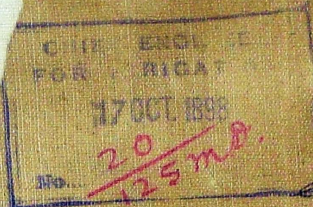
1. Report.
1. Sale of Rs 6050
1. do. of 9740.
1. Tahsil. Shakh
1. Index Map
1. Survey of channel
2. do. Section of do.
1. Plan of dividing dam
1. do. of Calmupat. Spent
2. do. Section of tank
1. Plan of weir
6. Plans of sluices
1. copy of Madras
letter

124 Annual 1897

27

Hydrographic Office, Madras
From Trichinopoly 13th October 1898

Executive Engineer
permeating E. C. V. Badley Esq
dated 24th Engrs Enquiry, Madras



24
17

Chief Engineer
for Irrigation

estimates and
respectively,
tenance of
the honor to reference to your No. 59th
of 20th February 1898. I have the honor
tion of certain your approval & sanction
Cost of public, plans and estimates
to the Project & the improvement and

2. On the 145 Kunnathoor page ten
letter No. 580 by Channel in the Madras
710 I gives estimates are submitted
Cost of public I Works, amounting to
not be charged the other under 42, main
these are given Repairs, Rs 9740.
No. 176 I and total irrigation under
other side is the Channel is 1855 acres, of

With regards belong to Government
point out the Karasree Kulkar, and 365
believe that Devastanum.
of the Periyar large tank has 2 courses

... one from the ... the same kind
... a channel taking off to the ...
... the limits of Sakthima good ...
... the other from the Pill the heady
... an offtake taking off from the water &
... channel. It is not however ...
... abandon the old supply front of ...
... which also supplies the distribution
... Devasthanam Karasari ... the ...
... Commanding 159 ... the project
... heeding. The ... said as to
... this masonry works all ... the
... of the extent ... the project then
... company's estimate, ... can be no
... in efficient conditions ...
... that after estimated ... handed over
... which is distributed as ...

Channel works. ... the case
... from head down to this nothing but
... Karasari Inam ... have been carried
... for clearing silt, ... would
... repairing the ... at ...
... constructing a ... nothing
... place of the existing ... in existence
... from offtake No 1 to No 2 ... in fact
... Devasthanam Sakthi ... of ...
... for clearing silt and ... carried

Carried out of Enquire pro.
 paired and maintenance
 order when the first whose grant
 District were known works
 Restoration & that works of
 is of very distinct nature.
 as they retained the
 the land in the opinion
 of drainage the maintained
 -gulation which has fairly
 overcome when project. As
 are completed, if it had

25/11

On the Project these
 that have not in proper
 -consider it is that the
 1877 & 8 order to be charged
 with putting
 may be charging gross full
 after the town under con.
 repair & fitting
 & which they recommended.
 -visible for the house the
 be considered.
 ed to Servant.

vide page
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200

[Signature]

13.10.98.

J. H. Cob. Rk
 Esquire
 17 Lamb

The undersigned

Constructing

Form of the

Leach & 901

silt and have

7

was the

masonry

at 150 feet, and

and providing

4. As the

there is a

by the propo

of the Distric

No 13 did

The Contract

rights concern

The proportion

annexed sta

in reply sta

16th September

me later on

of the Contric

received, in

5. I

Special L

Letter No. 6

enclose 20 to S. L. 6th No

13-10-98

13059

43
26
117

21 20

Public Works (1898) Department.

IRRIGATION BRANCH.

VI
ISSUE No. 101.118

To

The Supg Engineer 6 Cir

(Reply to letter No. 1395¹¹⁸ dated 13 Oct 98)

Dated 20 10 98

Despatched 26 10 98

Enclosures *

* Particulars of Enclosures.

SUBJECT.

Kurnatir Tank - Requests to be furnished with revenue information in connection with proposed improvements to - and revision of - that when submitting estimates for distributaries to state appropriate the areas of old and new irrigation they are intended to supply and the probable revenue.

8CB

Please say what is to be done with the enclosures of No 125 and 135

Keep them with file
Mh 25/10/98

Rs
25/10/98

Indexed

BACK PAPERS.

FURTHER PAPERS

| No. | Date. |
|----------|----------|
| R 25 m d | 13 10 98 |

| No. | Date. |
|----------|-----------|
| L 51 | 27-2-97 |
| R 40 m d | 7 15-4-99 |
| R 63 m d | 6 9 07 |

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

Papers-
R 125 m d 98
J 59 m d 98
R 70 m d 98
J 69 m d 97
R 74 m d 97
J 27 m d 94
R 41 m d 94
Q 176 J d 20.2.97
Q 176 J d 19.8.96

27
117

65

27

VI
No 1395 dated 4/13/10 98

S. S. VI.

His No 1395 dated 4/13/10 98

In connection with the
question of the incidence
of cost of special repairs
to the Kurnatun and
other tanks which are
supplied wholly or partly
by channels from the
Vangai. It is advisable to
know what the Ryots
would gain by supplying
such tanks with Periyar
water. It is believed that
most of the land under
several of these tanks was
rated in the highest class
before the Ryots was put in
hand and that on such
land there will be little or
no ~~return~~ revenue received
from the supply from the Periyar
and unless there is a fair
area of land on which the
assessment can be raised.

To S.S. for perusal.

27/10/98.

a good area of irrigable
 dry land under the tanks
 it might be advisable to
 cut them out of the Project
 altogether and use the
 water where it will
 produce a better revenue.
 It is observed that in the
 original revenue estimate
 (See Blue Book p. 74)
 7538 acres ^{old water} of land
 was deducted from the
 area to be irrigated on
 the score that it would
 not be advantageous to
 bring it under the Project.
 Enquiry should be made
 at once as to the revenue
 which will accrue from the
 supply of the Kunatun
 tank - There is another
 tank near the end of the
 1st branch channel beyond
 which similar enquiry
 seems necessary. It would
 be advisable if the Acc. &c
 would when submitting
 estimates for distributions
 state approximately the
 areas of old and new irrigation
 then and intended to supply.

and the probable revenue. As there has been
 a large packing - state only the total area and
 the balance to state only the total area and
 enter a very high rate of revenue for the
 whole -

114
 10/10/14

J. H. Jones

R. J. H. Jones

Public Works (1899) Department. ²⁸

28
117

CURRENT No. 40 m.d.

Order

From The Supg engineer
b: Circle

No. 586 m.d.

Dated 15th April 1899

Received 317 — do —
Registered

Enclosures 2 ✓

Spare copies

SUBJECT.

Statement showing the names
of villages irrigated by the
vaigai river on its north
bank and the enhanced
revenue due to the introan
of Periyar water. Forward
— with remarks —

P. R. E. S.

1100
18/4/99

1100/1899

49

FURTHER PAP

[illegible]

| No. | Date |
|----------|---------|
| 249 m.d. | 2-6 |
| 199 m.d. | 7/17-18 |
| Rb3 m.d. | 6 |

586 MD

2^a

29

29
11/7

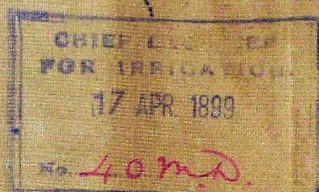
From

Superintendent's office, ^{or} Coirak
Trichinopoly. 15. April 1899.
0/16

Attest. C. T. Bondy R.E.

Superintending Engineer
^{or} Coirak

To.



The Chief Engineer
for Irrigation

Sir,

Enclosure: 2.

With reference to your Memorandum No. ^{or} 101 MD dated 20 October 1898, I have the honor to forward herewith a statement showing the names of villages irrigated by the Vyzai river on its north bank, and the enhanced Revenue due to the introduction of Periyar Water.

2. I also forward a copy of letter No. J. S. E. dated 8 April 1899 from the Assistant Engineer in Charge of Periyar Works, Madras.

3. All lands under the Vadagera Channel and Tank and the larger are of the lands under the Vandiyar Tank &

51

ated in the highest class before the
project was put in hand. Under all
these tanks the assessment has been en-
hanced since the commencement of the
Periyar Project.

Lands under the Kunnathom tank
have been raised from the II to the I
class, the enhanced rate being Rs 1 per
acre and the total increase in Revenue
Rs 632. No extension of irrigation can
be expected.

The estimates for Repairing and
improving the tank are Rs 15,790 and it
is doubtful if this should be debited to
project for the sake of the small in-
crease of Rs 632 to the Revenue.

The tank near the end of the 1st
reach channel is the Thekkur Periyar.
The lands under it have been
raised from the II to the I class with
increase of Revenue of Rs 394. The
Assistant Engineer reports that about 120
acres of dry land under the tank can
be converted into wet, with an increased
value of Rs 600. This tank can only
be

30
117

30

be properly supplied with Periyar water if the 1st branch channel is restored, an estimate for which is in preparation in the Division office.

7. Enhanced assessment has been levied on lands under the following works as shown :-

| | |
|-------------------------------|-----|
| Sholai kurichi Ettukhal | 221 |
| Thiruvudagudi channel | 433 |
| Thenur channel | 358 |
| Samayavellur Ettukhal | 247 |
| Paravai Ettukhal and tank | 709 |
| Velangudi Ettukhal | 139 |
| Vandiyer channel | 222 |
| Sakkemangalam tank | 307 |
| Kumudathur channel and tank | 632 |
| Angadimangalam channel & tank | 888 |

8. These works receive a good supply from the Vygai and further extension of irrigation under them is not to be expected. A direct supply of Periyar water is not therefore required.

9. The Arasamangalam tank, is supplied directly from a sluice in the main canal through a natural drainage channel.

53
me also be supplied by the Trun-
crank if the 1st Branch channel is res-
tored. The enhanced assessment under
this Tank is Rs 69 and there are 50 acres
waste land and 100 acres dry land under
the Tank which, if converted, would
yield a revenue of Rs 300 and 800
respectively.

Enhanced assessment as shown
has been levied on lands under the
following works:-

Thattamery Lithukhal and Tank — Rs 651
Bellare Lithukhal and Tank — 159
Managuri Tank — 73.

No extension of irrigation under
these works can be expected - but Chan-
nels to supply them with Periyar water
have been excavated.

The lands under Velamgudi Pura.
Ludam Tank have been raised from the
I to the II class with an enhanced
assessment of Rs 506. There are also 100
acres of waste land & 100 acres of dry
land under this Tank which if converted
will yield Rs 900 & Rs 800 respectively.

5431
117 31

to cut any of these works out of the Project.

14. The areas of old and new irrigation are now being given where estimates for distributaries are submitted.

I have the honor to be
Sir,

Yours most obed^t Servant.

O. V. Boddely M. B. B. B.

Superintendent Engineer
to the Canal

5431

5431



32
117

32

CHIEF ENGINEER
FOR IRRIGATION.
17 APR. 1899
1/40 m.d.

Encls: wcl in letter wcl
586 mT 15-4-99.

agari
 nel. — 2 Vilampatty -

western channel
 on the
 akkananai
 ancient on the
 raigai river -

western channel
 from the same
 ancient —

Changal spring
 channel or
 vilampatty.
 channel from
 the raigai
 River. —

| | | | | | |
|--------|----|---------|---|----|---------|
| 15 46 | I | 79 2 | " | " | 79 2 |
| 80 25 | I | 205 4 | " | " | 205 4 |
| 10 24 | I | 135 3 | " | " | 135 3 |
| 162 85 | I | 852 32 | " | " | 852 3 |
| 251 7 | I | 1132 15 | " | " | 1132 15 |
| 99 30 | II | 347 15 | 1 | 99 | 446 15 |
| 528 68 | I | 2472 3 | " | 99 | 2511 3 |

all direct-irri-
 -gation. These
 will have to
 be supplied
 with Periyar
 water anyhow.

adakkamikal

in the Perumai

the vaigai

river.

5 Agankunivithurai

engankunikal

in Chitturai

the vaigai

river.

adakkamichan. 6 Karpappattu.

adakkamichan.

ad from Perumai

river on the

vaigai river.

33
= 7

33

| | | | | | |
|--------|---|---------|---|---|---------|
| 125 87 | I | 884 9 | - | - | 884 9 |
| 134 90 | I | 1156 5 | - | - | 1156 5 |
| 310 77 | | 2040 14 | - | - | 2040 14 |
| 485 89 | I | 3262 7 | - | - | 3262 7 |
| 144 30 | I | 315 15 | - | - | 315 15 |
| 18 29 | I | 132 3 | - | - | 132 3 |
| 80 36 | I | 502 4 | - | - | 502 4 |
| 12 77 | I | 4212 13 | - | - | 4212 13 |
| 628 94 | | | | | |

adakkamichan fed
by Vadakkam
channel.
Karpappattikulam
fed by — 0% —
Pookamudai.
Kulam — 0% —

will be abandoned.

0% — 0%

at the Karikal

9

canal from
river connects

all direct irrigation
will have to be supplied
with Periyar water.

Puthukkulam

fed by above
channel.

Manntharkulam

fed by - or -

10 Pettai

The tanks fed
by Vadakkarai
channel from the
Vaigai river.

11 Sholavandan.

Vadagarai
canal from
Perinai
cut in the
Vaigai river -

will have to be supplied
direct from Periyar
channel.

| | | | | | | | | |
|------|----|---|------|----|---|-----|------|----|
| 427 | 23 | I | 2684 | 3 | - | 551 | 1222 | 15 |
| 36 | 64 | I | 248 | 11 | - | - | 2684 | 3 |
| 59 | 86 | I | 383 | 14 | - | - | 383 | 14 |
| 523 | 73 | I | 3316 | 12 | - | 301 | 3316 | 12 |
| 472 | 75 | I | 2923 | 4 | - | - | 2923 | 4 |
| 1710 | 14 | I | 8022 | 12 | - | - | 8022 | 12 |
| 1500 | 71 | I | 6415 | 12 | - | - | 6415 | 12 |

Tanks will be
abandoned.

Statement showing the names of villages irrigated by Vargai River lying on the northern bank before the introduction of Periyar.

| Channel. | Village. | Tank. | Acres. | Settlement assessment. | | Periyar enhanced Revenue. | | Total | Remarks by the assistant byd in Ch. Periyar Work. |
|-----------------|---------------|--|--------|------------------------|-------------|---------------------------|-------|-------|---|
| | | | | Class of Irrigation. | Assessment. | Assessment per annum. | Total | | |
| igai Channel 15 | Thiruvadargam | Vadgaraitan - fed by the above channel. | 1386 | 61 | I | 8493 | 15 | - | 8493 15 |
| | | | 1416 | 14 | | 8685 | 15 | - | 8685 15 |
| | | | 125 | 2 | II | 519 | 7 | 1 | 125 - 643 7 |
| 16 | Soluikunuchi. | Vaidiyamithalam fed by the Perami channel from the Vargai river. | 307 | 46 | II | 1606 | 4 | 1 | 307 8 1911 12 |
| | | | 432 | 48 | | 2122 | 11 | | 432 8 2555 3 |
| | | | 441 | 95 | I | 244 | 2 | - | - 244 2 |
| 17 | Soluikunuchi. | Vaidiyamithalam fed by the Perami channel from the Vargai river. | 220 | 87 | II | 1368 | 11 | 1 | 221 - 1589 11 |
| | | | 262 | 72 | | 1612 | 13 | 221 | - 1833 13 |
| | | | | | | | | | |

13/5

13/5

- plied from Periyar channel.

All direct irrigation. Can be supplied if not Branch channel is meters only.

will have to be supplied from the Periyar channel any how.

All direct irrigation. Can be supplied from existing canal tank if channel is excavated.

23 Ikemur.

Pemjakulian

Track fed by a temporary channel from the river.

river

393 34 II 2213 16 1 394 - 2607 14

Ikemur.

iyakulian
d. spring
channel from
the river

river

147 6 II 709 12 1 147 - 956 12

iyak spring
channel

121 57 II 930 2 1 122 - 952 7

iyak tempo -
any channel -

121 57 II 930 2 1 122 - 952 7

ridge

121 57 II 930 2 1 122 - 952 7

Can be supplied at present from the surplus of water - gase tank, but it would be better if 1st Branch channel is restored.

as Shastanahan
igoto complain that
their lands are damaged
if supplies through
the surplus channel.
Can be supplied if
1st Branch channel is
restored only.

Can be supplied at present from the surplus of water - gase tank, but it would be better if 1st Branch channel is restored.

Handwritten notes and signatures at the bottom of the page, including a signature that appears to be "J. B. ...".

25 Samayamallur

Temporary channel

Spring channel
from the Vengai
river and
the Maruthi
Kutthalam
Tank

26 Paruvai

Pengakommai
fed by temporary
channel from
Vengai river.

Can be supplied
from Arasamangalam

Can be supplied from
Thodavai tank
which receives Poyy
water from sluice
at 15 m.

Can be supplied if
1st Branch channel
is restored only.

35
35
7

Can be supplied from
1st Branch channel
restored only.

| | | | | | | | |
|--------|----|------|----|---|-----|------|----|
| 5 56 | II | 30 | 10 | 1 | 56 | 36 | 10 |
| 68 66 | II | 369 | 9 | 1 | 69 | 6 | 9 |
| 241 34 | II | 1572 | 3 | 1 | 241 | 1813 | 3 |
| 315 56 | | 1972 | 6 | | 316 | 2288 | 6 |
| 343 59 | II | 1520 | 8 | 1 | 343 | 1864 | 8 |
| 343 59 | | 1520 | 8 | | 343 | 1864 | 8 |

ing channel
- Vauquie river

ink & spring
annul from
Ningai.

27 Vilangudy -

| Brought forward | 363 | 59 |
|-----------------|------|----|
| | 1520 | 8 |
| | 363 | 9 |
| | 1864 | |

15208

343 59

363 1866

366 22 99C 1 3 55h 1 366 22 99C 1 3 55h 1 366 22 99C 1 3 55h 1

Can be supplied from
1st Branch Channel
if restored only.

Veriakekan
an T'hookim.

-gulam tanks 14 13 II 170 6 1 279 212 214

So supplies from
village & bank -
The Tanks will
be abundant & domestic

| | | | | | | | | |
|-----|----|----|-----|----|---|-----|---|-----|
| 138 | 40 | II | 699 | 10 | I | 139 | - | 838 |
|-----|----|----|-----|----|---|-----|---|-----|

not supplied at
present with Penga
water.

Perigakaton
fed by vengai
- near the temple.

138 40 II 699 10 1 139 ... 838 1

So supplied from 35
Branch channel. The
waste lands in rear
of this tank are cut
twice, this tank will
have to be supplied
with Persian water.

runy channel. 252 76 III 851 4 2 506 - 1357

runy channel. 252 76 III 851 4 2 506 - 1357

0172 - 689 7 12.1 62 54

0172 - 689 7 12.1 62 54

ing channel 28 Thanthaneri
in the Vaigai

er. —

29 Sellure.

Vandyanur Cham. 110 Mathichianur
nel. Temporary
channel from
the vaigai
er. —

Thanthaneri -
kanam.

Sellurekanam
fed by a tem -
porary channel
from Vaigai.

20 supplied from -
4: Branch channel.

| | | | | | | | | |
|-----|----|----|------|---|---|-----|------|---|
| 24 | 47 | II | 159 | 4 | 1 | 24 | 183 | 4 |
| 313 | 55 | II | 867 | 2 | 2 | 627 | 149 | 2 |
| 338 | 2 | | 1026 | 6 | | 651 | 1677 | 6 |

36
17
36

not supplied with
Pungan water.

| | | | | | | | | |
|----|----|----|-----|---|---|----|-----|---|
| 49 | 39 | II | 233 | 5 | 1 | 50 | 283 | 5 |
|----|----|----|-----|---|---|----|-----|---|

Thanthaneri official

III Managiri

Managirikulam -
- lam fed by
- Managiri athen -
- kail. a tem -
- Porary channel 72 74 II 349 14 1 73 - 422 14
Vandiyarkulam
of Vandiyar
village fed by
Vandiyar tempo -
- rary channel 172 57 II 665 6 1 172 - 837 6

The tank will be
left as it is & is
supplied from
Ikanadulay off take.

pres. supplies from

Not supplies with

Periyar water at
present

245 31 1015 4 . 245 - 1260 4

112 Vandiyar -

Periyarkulam
fed by the
Vandiyar river
Temporary chan -
- nel -

550 50 II 2469 6 1 550 - 2514 14

Supplies from 9th
Branch channel &
Ikanadulay off take.

113 Andakkottaram -

Vandiyar tank
fed by the channel
from the
Vandiyar river 84 44 II 341 9 1 84 - 425 9

— 88

132 Kunnathure

Perryakulam
fed by a tem-
porary chan-
nel from
the Vengai

River.

632 36 II 2435 6 1 632 - 4070 6

Supplies from tail
end of Kunnathur
offtake.

134 Angadimangalam

Perryakulam
Tank fed by a
temporary
channel from
the Vengai

River.

13 80 II 872 7 1 856 - 4495 14

Could not be sup-
plied from Peryas
channels at
present.

135 Sakthimangalam

temporary chan-
nel from the
Vengai river.

Kallarkulam
fed by the above
channel.

40 92 II 285 14 1 141 - 326 14

not supplies from
Peryas channel.
but could be supplied
from tail end of
Pakpugur offtake

33
= 3/2

37

Karupputan.
-lam fed by
the above
channel.
Chumpallam
-kulam fed by
the above
channel.

Sathampattu.
-kulam fed by
— 0° —

not supplies from
Periyar channel.
but could be supplied
from tail end of
Pappargudi offake

7 77 II 50 8 1 8 - 58 8

142 38 II 893 6 1 142 - 1035 6 — 0° —

65 86 II 400 2 1 66 - 466 2

306 98 1969 8 307 - 2276 8

10010 27 53733 5 6258 8 59991 13

Signed M. V. Venkata Rao
Dr. Subash Rao
22.3.99.

Dr. V. Manalingam
Asst. M. S.
25.3.99

(Proceeding)
D. V. Reddy
Dr. Subash Rao

Superior Black 15-4-99.

38
15

38

200 00 1000 00 1000 00 1000 00

100 00 1000 00 1000 00 1000 00

100 00 1000 00 1000 00 1000 00

100 00 1000 00 1000 00 1000 00

...
...
...
...
...

...
...
...
...
...

...
...
...

...
...
...

...
...
...

Encls: no 2 in letter no 586 md of 15/4/99

39
117

39

From Mr. C. V. Ramalingam Raja
Amuzut, Assistant Engineer, Periyar works,
to the Superintending Engineer, Madras.
No. 75 E. of 8 April 1899. —

With reference to your letter
No. 558 MD. dated 7 April 1899, I have
the honor to report as follows.

(a) All the lands under Vadagarai
Channel and Tank and most of the lands
under Vaudiyar Tank were claimed as
1st class land before the advent of the Periyar
Project. Velampatty Channel was originally
claimed as 2nd class but now claimed as 1st class.
Enhanced assessment is Rs 99. As the
head of Velampatty Channel is above
Poruvai aicut, and as the old Vada-
garai channel at the head is absorbed
by the main channel and a head sluice
with two vents has been built, the ayaas
under the two channels and under Vada-
garai Tank must be supplied with Periyar
water though no increase of assessment is
derived from so supplying.

Vaudiyar Tank gets almost all the water

the water from 3rd by Branch Channels
and it will be filled with Periyar water,
whether we supply or not. The enhanced
assessment under the tank is Rs 140 and
no extension of cultivation is expected
under the tank.

All the lands under (1) Sholaisurichi
Ithukkal, (2) Thirumadagum Channel, (3) The-
ner Channel, (4) Thener Tank, (5) Samaya-
ellore Ithukkal (6) Arasangualam tank,
Paravai Ithukkal and tank, (8) Velangudi
Ithukkal, (9) Sekkangualam tank, (10) Thatta-
ngudi Ithukkal and tank, (11) Sellore Ithukkal
and tank, (12) Vandiyar Channel, (13) Manu-
ri tank, (14) Sakkinangalam tanks (four
numbers) & Channel, (15) Kinnathore
Channel and tank, (16) Angadimangalam
Channel and tank were originally classed
2nd class wet lands now rated in the
Class. Of these it is not advantageous
to supply the lands under Nos. 1, 2, 3, 5, 7, 8,
14, 15 & 16 as they get good supply from
river Vaigai and no extension of
cultivation could be expected under them.
The enhanced assessments under the above

40
117 65 40

due to the Project are Rs 221, Rs 433,
Rs 358, Rs 247, Rs 709, Rs 139, Rs 222, Rs 307,
Rs 632, & Rs 858 respectively.

(No. 4) Thenura Periyasulam Tank which
is near the end of 1st Branch channel can
be supplied without complaints from Shol-
vandanu ryots only if 1st Branch channel
is restored for which an estimate (has been
submitted for sanction with this office No. 100)

The enhanced wet assessment under
the tank is Rs 394 while about 120 acres of
dry lands yielding a revenue of Rs 600
can be converted into wet, if the tank
is supplemented with Periyar water.

Arasangolam Tank No. 6 is supplied
from Thodaneri Tank which receives
supply directly from the sluice at 15 ft.
Periyar Main Channel through a natural
drainage channel. About 50 acres of
waste lands and 100 acres of dry lands
yielding a revenue of Rs 300 & Rs 500 re-
spectively can be converted into wet under
the tank. The enhanced wet assessment
is Rs 69.

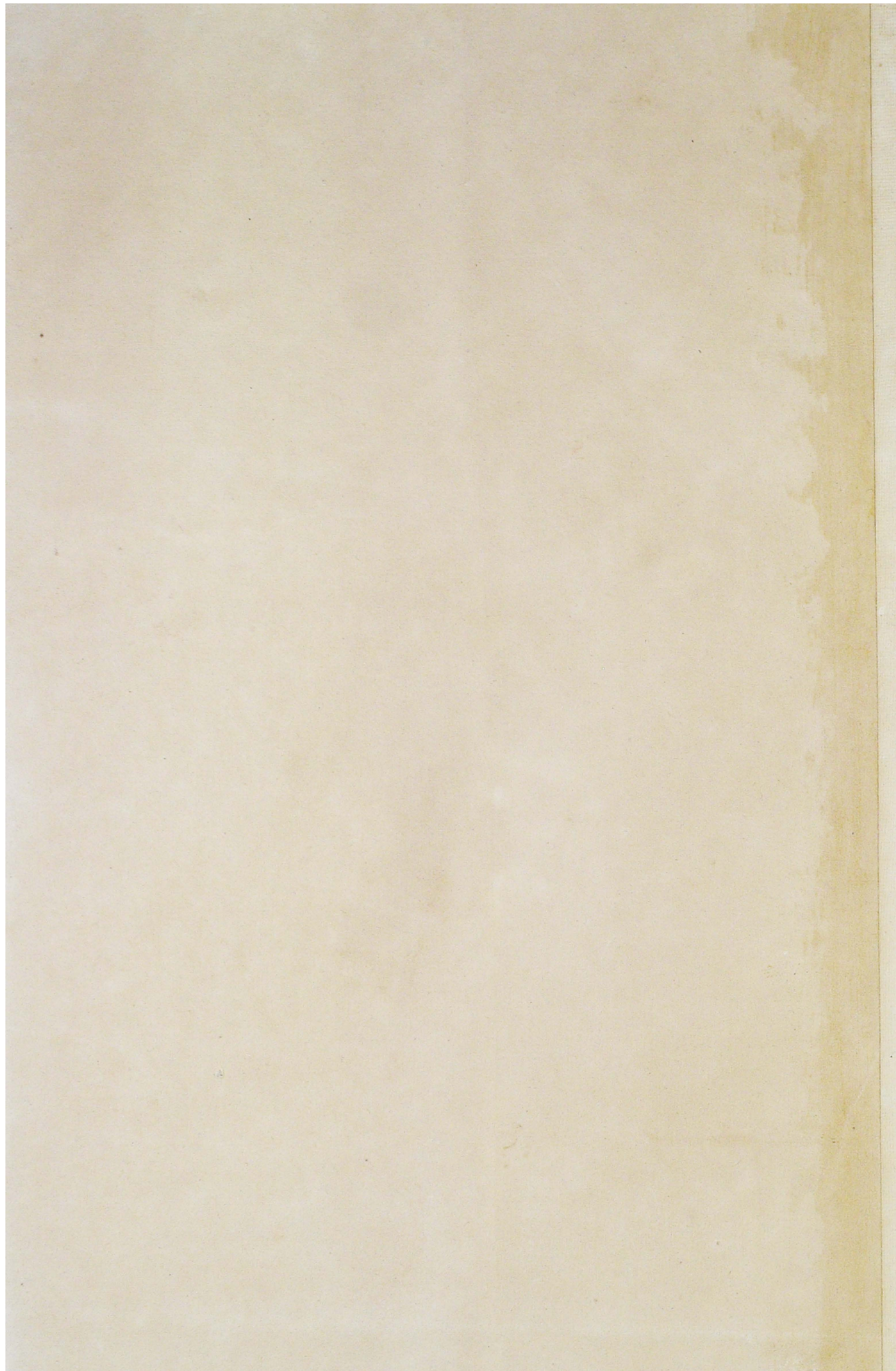
(No. 9) Will be abandoned & is Command

of Vilangudy Perakulam tank (See para
below).

10, 11 & 13 get little or no supply from the
river as the Coromboo channels are in very
bad order, there being no traces of the Chan-
nel in some places and as the Periyar Chan-
nel has already been excavated for sup-
plying these tanks no extension of irrigation
is to be expected under any of them. The
enhanced assessment under them are
Rs 651 & Rs 159 & Rs 73 respectively.

Kinnathone tank (No. 15) gets all the
superfluous water between 9th branch channel
and a line connecting Chittampatty
state, Marudur tank and Chinnambur
tank after a good rain. As the enhanced
assessment under the tank is only Rs 632
and as no extension of irrigation could be
created under the tank, it is not ad-
vantageous to supply the tank with Pe-
riyar water.

As no Periyar channel has been exca-
vated (which will be very costly) for
Vilangudi Perakulam tank (No. 16) and as
no extension of irrigation could be expected
under the tank as Periyar affected.



Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 49 m.d.

To

The S.E. VI

(Reply to letter No. 586 m.d. dated 15 $\frac{4}{99}$)

Referee no 1.
only break 1/2
file 1/2 - 1/2
12/2/99

Dated 2 }
Despatched 5 } June 99
Enclosures *

* Particulars of Enclosures.

SUBJECT.

Disconnection of certain
tanks and channels from
the Periyar Project —
Requesting information as
to the expected increase
of area and revenue under
second crop in connection
with the question of the —

Indexed

BACK PAPERS.

FURTHER PAPERS.

| No. | Date. |
|-----------------|-------|
| Q.40 m. 17-4-99 | |

| No. | Date. |
|----------|---------|
| Rb3 m. 6 | 17-4-99 |

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

REMINDERS ISSUED.

No. 1, dated 15-8-1899.
" 2 "
" 3 "
" 4 "
" 5 "

KEEP-WITHS.

Papers
Also m. 1899
124 m. 1899 papers

43

105
This is the best of the
1000

43
117

Went

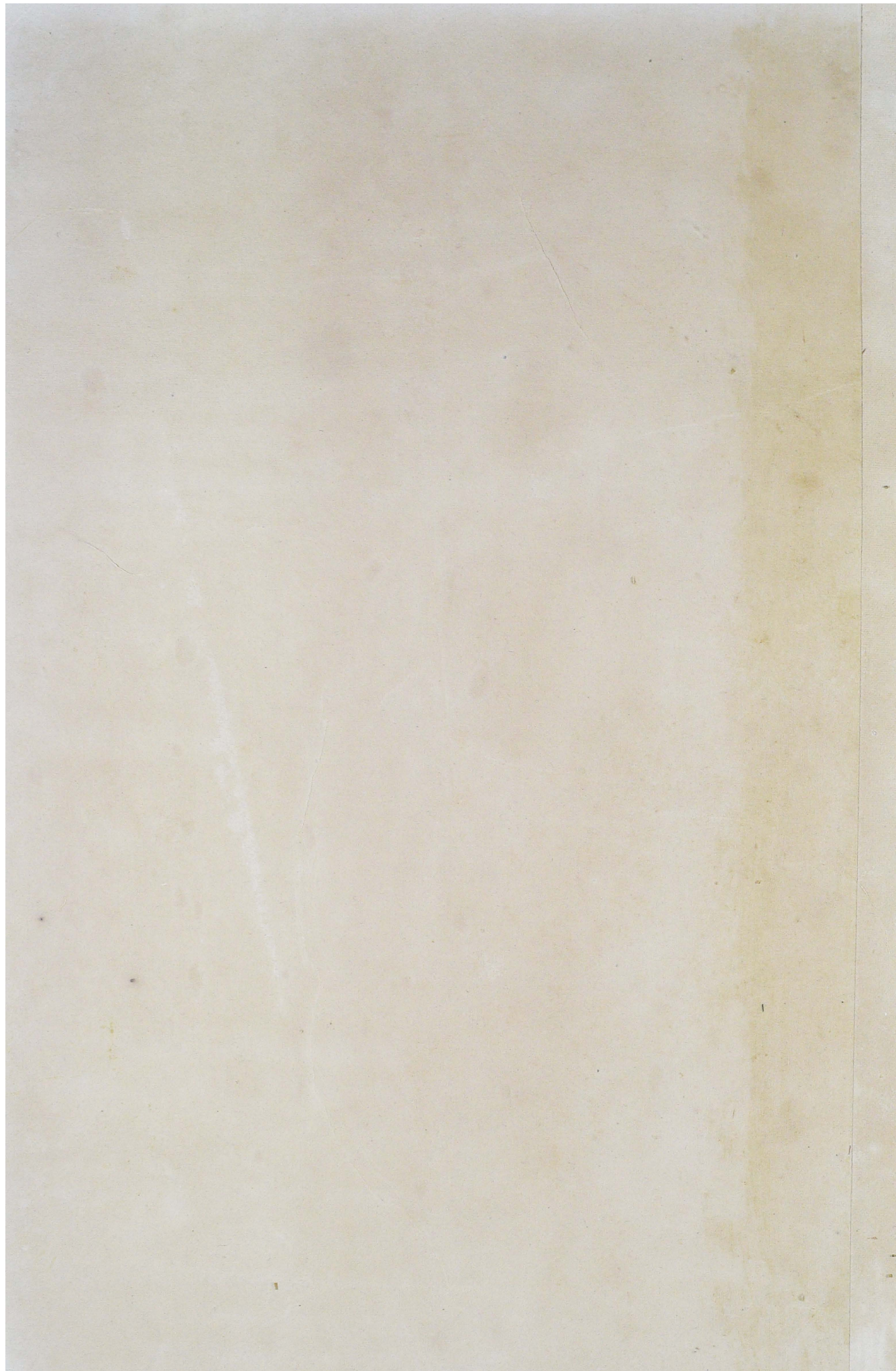
20-49 m.d. 8, 2-6-99

S. S. VI

S. S. No 506 und d/ 15 April 1899

The question whether certain
lands and channels should
be disconnected from the
Penguin Project presents many
difficulties and can only be
dealt with on the fullest
information. The list sub-
mitted with the S. S. letter is
very complete as far as it goes
but apparently it takes account
only of increase of revenue for
a single crop. The principal
increase of revenue should be
from an extension of the double-
crop area. It is therefore
requested to ascertain the
expected increase of area and
revenue of second crop. This
ought to be ascertainable without
difficulty as the Res. Dept. is
making a revised forecast.

2/6/99 ⁴² 1/4



Public Works (1899) Department.

4/24
1/19

CURRENT No. 99 m.d.

Order

From

The Sup^r Engineerb: circle

No. 1587. m.d.

Dated 17: October 1899.

Received

Registered } 21. do —

Enclosures —

Spare copies.

SUBJECT.

Contribution to be recovered
for repair of Kummathur tank
& channel.

Forwarded for information
copy of letter from the collector
of madura informing that
out of Rs 355. — Rs 26-9-6
only was collected.

To await receipt
of further report.

Report received
Rs 63 2/100
Rs 10 3/100

10/10/99

10/10/99

BACK PAPERS.

| No. | Date. |
|-----------|--------------|
| Q 125 m.d | 17 - 10 - 98 |
| I 107 m.d | 20 - 10 - 98 |

FURTHER PAPER

| No. | Date. |
|--------|-------|
| Rb3 mo | 6 7 |

75

45

AS
RA

From J. G. D. Partridge Esq
As Collector of Madras, to the
Superintending Engineer, "Circulars, &c"
No. $\frac{2006}{80}$ of 99 of 15 August 1898: —

In reply to your letter No. 887
of 1 July 1898, I have the honor to state
that the Deputy Collector, Madras District
reports that out of the sum of Rs 355 being
the contribution due from the Karasiri
Siddar and Devastanum Sakhady ryots
only Rs 26-9-6 has been collected and
that requisition and reminders sent
from his office for the collection of the
balance have had no effect. The
Deputy Collector adds that the Tah-
sildar of Madras has been asked to
send notice to the individuals concerned
requesting them once for all to pay up
the amount before the 15 August or to
state their objection, if any, for doing so.
I shall submit the further report
as soon as I hear from him.

CHIEF C
102 1898

70

O. V. No. 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 17

Public Works

⁷⁷
46
117
(1900)

46
Department.

CURRENT No. 63 m.

From

S. E. VI

Order—

No. 1041 m. d.

Dated

6 9 00

Received

Registered } 8. 9. 00.

Enclosures { Plans
Other Papers

Spare copies

SUBJECT

Kummathur tank and channel.

Submitting letter from the
Collector of madura stating
that the private individuals
interested in the repairs to the
— are evading payment
of their contribution.

BACK PAPERS.

FURTHER PAPER

| No. | Date. | No. | Date. |
|-----|-------|-----|-------|
| 1 | 1841 | 1 | 1841 |
| 2 | 1842 | 2 | 1842 |
| 3 | 1843 | 3 | 1843 |
| 4 | 1844 | 4 | 1844 |
| 5 | 1845 | 5 | 1845 |
| 6 | 1846 | 6 | 1846 |
| 7 | 1847 | 7 | 1847 |

77 47 $\frac{47}{117}$

Letter from J. A. Cumming Esq., Acting
Collector, Madras, to the Superintending
Engineer, 6th Circle, Trichinopoly dated
31st August 1900. R.O.C. no $\frac{1906}{8}$: —

In continuation of this office letter
R.O.C. no $\frac{2006}{8}$ dated 15-8-99. I have the
honor to inform you that in addition
to Rs. 26-9-6 said to have been collected
from the proprietors on account of the
complete repairs to Rimmathur tank and
channel, Rs. 10-6-6 is reported to have
been since collected from the proprietors.
It is also reported that the manager
of Madura Devasthanam is evading
payment of the amount of contribution
due by the Devasthanam. If you intend
to execute the proposed repairs, they
may be begun and the amount received
from the Devasthanam after the repairs are completed.

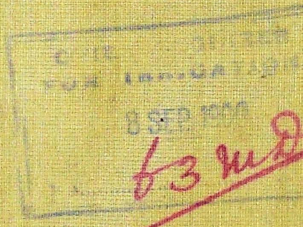
2. Before commencing the work, I
think the manager of the Madura Devas-
-tananam should be furnished with copies
of detailed estimates and should be
informed

informed that as he evaded payment
of the contribution due by him the work
will be executed and the amount re-
covered from him by suit. I shall
feel obliged by your informing me
when you propose to begin the works
and sending me copies of the detailed
estimates for service on the manager.

N: 1041 Ind. dated 6th September 1900

Copy submitted to the Chief
Engineer for Immigration for information
& favor of orders in continuation of
this office N: 1581 m. D. dated 18: October
1899.

O. V. Parilly Col R.R.
Supr Engineer, 63 circle.



[Handwritten signature]
11/10/00

48
117
Public Works (190/) Department.

CURRENT No. 671

From

Order—

The Chief Engineer for Irrig:

No. 10 I.

Dated 17th January 1901.

Received

Registered

Enclosures

Plans

Other Papers

Spare copies

SUBJECT.

Kunnathur Tank and channel,
Madura Dist: Recommending with --
remarks the sanction of the estimates
amounting to Rs 17,390 for improving
and repairing the --

gfh

C.S.

25/1/01
H.B.
25/1/01

25/1/01

PROCEEDINGS OF THE MADRAS GOVERNMENT.

*Estimate of Rs 9740 for improvements
to the Kunnathur tank and channels*

UNDER date the

Read the following

From the Supg: Engineer, VI Circle, No. 563 M.D., dated 2nd August 1894.
Todo.....do.....do.....No. VI dated 6th August 1894.
Fromdo.....do.....do.....No. 848 M.D., dated 13th June 1897.
Todo.....do.....do.....No. VI dated 19th June 1897.
Fromdo.....do.....do.....865 M.D., dated 22nd June 1898.
Fromdo.....do.....do.....59 M.D., dated 29th June 1898.
Fromdo.....do.....do.....1398 M.D., dated 13th October 1898
Todo.....do.....do.....No. VI dated 20th October 1898.
Fromdo.....do.....do.....No. 586 M.D., dated 15th April 1899.
Todo.....do.....do.....No. VI dated 2nd June 1899.
Fromdo.....do.....do.....No. 1581 M.D., dated 18th October 1899.
Fromdo.....do.....do.....No. 1041 M.D., dated 6th September 1900.

Note by the Chief Engineer

for Irrigation. *10/10-8*
17.1.01

The Superintending Engineer, 6th
Circle, submits estimates aggregating
Rs 15,790 for improving and repairing
the Kunnathur tank and channel in the
Madure District, which is one of the
tanks under the influence of the --
Periyar project ordered to be maintain-
ed in G.O., No. 710 I., dated 19th

Leac

Arm

DS

Flag C

Leac

August 1896, and states that he agrees with the Executive Engineer, Periyar works, in considering that the cost of putting the maintained tanks in proper order cannot be fairly charged to the Periyar project, as, if it had not been for the project, these tanks would have been put into proper order long ago. He considers

that the cost should be charged to --

Provincial - Tank Restoration works. The

reasons for and against charging the

repairs to the project are stated in the

correspondence printed with G.O., No. 710 I.,

dated 19th August 1896, and it was decided

in G.O., No. 176 I., dated 20th February

1897, that it would be in accordance with

the usual practice to charge the repairs

to the project, as in fact the grants

for Minor works are so reduced that

assistance cannot very well be given

from Provincial funds, and there seems

therefore to be no choice but to charge

the work to the project "Capital" or --

"Revenue" according to the rules applicable

in each case.

2. The Superintending Engineer

having been asked to state what the project would gain by supplying the

Kunnathur tank with ~~the~~ Periyar water

reports that the lands under the Kunnathur tank were raised from Class II

to Class I since the commencement of the Periyar project, the enhanced rate of assessment being 1 Rupee per acre, and the total increase in revenue --

Rs 632. He states that no extension of irrigation may be expected. The tank irrigates 1856 acres of which 1332 acres belong to Government, 159 to ^{the} Inam Karseri Hukdar and 365 to ^{the} Madura

Devasthanam. Out of the contribution of Rs 355 due from the Inamdars a portion has been recovered. The Collector, of

M a d u r a suggests that the balance may be recovered by a suit, after the repairs are executed. The

estimate may be sanctioned, the estimate for improvements being charged to
"49"
the Open Capital Account of the Periyar

project and that for repairs to 42-

"Maintenance and Repairs".

3. The improvements are classed as

"Remunerative". The work will probably

be completed by the 31st March 1902.

4. Should it hereafter be considered necessary to cut out the tank from the project Order thereon. the expenditure now proposed can be credited to the project.

The following estimates are

sanctioned, Rs 355 of the proposed outlay

being met by contribution from the --

Karseri Hukdar and Madura Devasthanam which

may be recovered by a suit if necessary after the completion of the work: --

Capital expenditure not charged to Rev:

49 Irrigation.

Periyar Project.

Open Capital Account.

(3) Distributaries.

Remunerative work.

Improvements to Kunnathur Tank
and channel.

3 works.

| | Rs. |
|---|--------|
| 1 Masonry weir at 150 feet. | 2,060. |
| 2 Reconstructing sluice No.1. | 690 |
| 3do..... ,, 2 | 780 |
| 4do..... ,, 3 | 990 |
| 5 Providing tower head to) sluice No.4. -----) | 320 |
| 6do.... ,, 5 ----- | 240 |
| 7 Reconstructing sluice No.6. | 490 |
| 8 Dividing dam at 12,300 ft. | 420 |
| 9 Palmyra spout at 9,200 ft. | 60 |

Total 1 works. --- 6,050

Quint
Dad

X

21/1

80

97

51

51
117

II Establishment. 1,391

III Tools & plant. 9

Total. 7,450

42 Major works (Working expenses).

Periyar Project.

Maintenance and Repairs.

(3) Distributaries.

Repairing Kunnathur tank and channels.

2 works. ----- 4,917.

3 Earthwork. --4,823

Total. 9,740

2. These sanctions are registered

as Nos. 173 I., and 174 I of

1900-1901, and the sanction under the
Open Capital Account will expire on the
31st March 1902.

3. Ordered that a copy of these --

Proceedings be forwarded to the --

Government of India for information

with reference to ^{the} sanction accorded

under the Open Capital Account of the

Periyar project.

No: 118 29/5/21
Endorsement.

17/1/01

Forwarded.

To
The Chief Engineer for Irrigation:
Supg: Engineer, 6th Circle.
Examiner, P.W. Accounts.

17.1.01 WH

with enclosure

Estimate 15 plans 22/1/01

DESPATCHED
15 FEB 1901





