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(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2438	Press
B.P. No.		Mis.
Dated	28-8-	195-.
		0876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
28th August 1874.*

Read the following letters :—

No. 689. From G. S. SAGE, Esq., District Engineer, South Arcot, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Cuddalore, 23rd June 1874, No. 68.

With reference to G. O., No. 1,570, of 13th instant, I have the honor to forward a copy of the further report therein awaited which was sent to Chief Engineer for Irrigation.

1 Copy of Report.

From G. S. SAGE, Esq., District Engineer, South Arcot, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Camp Goverpet, 11th June 1874, No. 13.

I HAVE the honor to report that the Ponnear river came down on 6th May in very heavy fresh; no person recollects its having come down so heavily before, and the result has been very heavy damages to irrigation works and roads.

2. Regarding the damage to irrigation works, which is the subject of this report and which should have been sent in long ago, but having only just joined the district I thought it necessary to see the more important works before reporting.

3. Commencing with the Ponnear river.

The Ponnear anicut near Trikalore is all safe as far as can be seen, but the apron is still under water and cannot be examined properly; on north bank the Pombay channel which took off close to the anicut wing wall, the head sluice to this channel has been completely destroyed and channel washed away for a distance of about three quarters of a mile; there was an embankment from the anicut wing to this sluice and thence to the head sluice of Aramullee channel; the river appears to have topped this embankment and then cut it away towards sluice, which fell forward and acted as a protection to the anicut wing or it would have gone. Surveys and levels are being made, also estimate for repairs, and materials are being collected for the purpose; at present there is too much water in river to do any work, but in course of a week I hope the repairs will be in full swing. I may mention here that, at anicut, river was never known to have risen more than 3 feet, on this occasion it rose to 5.77 above crest or nearly double, but it rose higher at the Marradur channel head sluice, which is the southernmost channel, near which the water was held up by the bay formed between anicut and sluice, at this sluice it rose to 7.36 above crest and passed over part of the road to anicut to a depth of 11½ inches, and but for the exertions of the Superintendent and Kotens we should have had damage here also; the bay on this side is smaller than the bay on north side, so water must have gone over embankment at least 1½ to 1½ feet in depth.

4. About four miles below the Ponnear Anicut an embankment, known as Coryaur embankment, placed across the Coryaur where it bifurcates from Ponnear, has been completely destroyed; the south bank of river very much eroded, so much that where there were fields and cultivation there is now nothing but sand, the surface having been cut away. The causes of the Coryaur embankment being destroyed were two:—First, that the whole force of the heavy flood was directed on to the embankment by a reef of rocks (which you noticed when at the spot), which I have ordered to be removed. Second, there is no doubt from the marks of debris brought down by river that the embankment was overtopped by flood; the Mullataur channel, which passes through this embankment, has been completely obliterated, not a vestige of channel or spoil banks remains, through this embankment breaching the Ponnear water found its way down the Mullataur into the Guddelum river, where much damage has been done, and will be noted further on. I may mention but for this relief to the flood water of Ponnear the large bridge across that river near Munjacoopum must have been carried away, as it rose to about 2½ feet below intrados of arches; as far as it can be examined, no damage appears to have been done, when fresh subsides it will be carefully examined and, if necessary, report sent in.

*Proceedings of the Madras Government, Public Works Department,
28th August 1874.*

5. On both banks of Ponnear river there are numerous river channels, about seventy, of these every one has been more or less damaged and heads destroyed and silted up; one, the Akkadavully supply-channel, is entirely obliterated and the tank breached in nine places.

6. The new Oopalavady channel near Munjacoopum, which was in progress, has been breached in several places, and channel silted up for a distance of half a mile to a depth of from 1 to half a yard, the arch of an aqueduct which was only keyed the night before the flood came down has fallen, at the head sluice of this channel the water went over it to a depth of 4-27 feet.

7. With reference to above the channel heads and other damages are being corrected as quickly as possible to prevent detriment to the cultivation.

8. On the Guddelum river, the repairs (which you saw) going on to Trivady anicut have been destroyed, but an embankment has been put up and irrigation is not stopped, the repairs are again in hand; water rose to level of top of wing walls of anicut, another 6 inches must have caused serious damage to, if not the destruction of, the anicut.

9. The Vanamadavy anicut.—The rough stone apron has been a good deal destroyed, I have ordered to be repaired at once, the water rose to within 2 inches of top of wing walls.

10. The Trivendipoorum anicut is all right except a little repairs required to apron.

11. The river channels on this river, I am glad to say, are all safe.

12. I have directed bench marks of this fresh to be fixed wherever it was seen or can be traced for record.

13. I would here request if possible that an additional Overseer, a good man, used to work and knowing Tamil, be sent for employment in No. 1 Range on these repairs, as the Taluq Overseers have now with their ordinary work more than they can do.

14. The whole of the above damages are in No. 1 Range, which is fortunate in having Mr. Wiffen as Range Officer; in No. 2 a good many tanks have breached, but I have not heard of any damage in No. 3 Range.

No. 690. From G. S. SAGE, Esq., District Engineer, South Arcot, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Cuddalore, 27th July 1874, No. 88.

With reference to G. O., No. 200, of 23rd July 1874, forwarding G. O., No. 847, of 8th July 1874, on subject of damages to irrigation works reported by the Collector of South Arcot, I have the honor to point out a mistake in Mr. Garstin's letter, viz, that "the heads of the group of southern channels were saved from complete destruction by the activity of the Koten in charge;" this is incorrect, *vide* latter part of paragraph 3 of my report sent you with my No. 68, of 23rd June 1874. My object in writing is to point out that the Superintendent's pay has this official year been increased from 15 to 25 Rupees a month, and I do not think the reward sanctioned for him is necessary. I would, however, suggest that each of the six Kotens employed under him might receive one month's pay as an encouragement.

No. 691. ORDER THEREON, 28th August 1874, No. 2,438.

IRRIGATION, No. 62.

Establishment.

PARAGRAPH 1 of the order in the Revenue Department of the 8th July 1874, No. 847, was passed under the impression that the Koten referred to was a Revenue subordinate, whereas the

person who appears to be intended is the Pooniar Anicut Superintendent, who is a

*Proceedings of the Madras Government, Public Works Department,
28th August 1874.*

member of the Conservancy Establishment of the Public Works Department. Such being the case, and by his exemption from the usual test on account of his good conduct on the occurrence of these floods, the pay of the Superintendent having been raised from 15 to 25 Rupees a month, a gratuity appears to be unnecessary.

2. The grant of a month's pay to each of the lascars employed under the Superintendent, whom the District Engineer may consider deserving of this reward, is sanctioned, and will be met from savings under Establishment.

(True Extract.)

Lieut.-Colonel, R.E.,

Joint Secretary to Government.

To the Revenue Department.

„ District Engineer, South Arcot.
„ Officiating Controller of Public Works Accounts.
„ Chief Engineer for Irrigation.

Exd. S. T. Austin.

Spare Copies

No 88

District Engrs Office S Arcot
Cuddalore 27 July 1874

From

The District Engineer
South Arcot

To The Secretary to Government
D. D. W.

Sir,

With reference to G. O. No 200
of 23rd July 1874, forwarding G. O. No 817
of 8th July 1874, on subject of damages to
irrigation works reported by the Collect
or of South Arcot; I have the honor
to point out a mistake in Mr. Gorton's
letter viz:- that "the heads of the groups
of southern channels were saved from
complete destruction by the activity of the
"Native in charge"; this is incorrect. vide
latter part of para 3 of my report sent
you with my No 68 of 23rd June 1874.
My object in writing is to point out —
that the Superintendent's pay has this
Official year been increased from 15 to
25 Rs. a month and I do not think the
reward sanctioned for him is necessary.

I would however suggest that each of the 6 Hottens employed under him might receive 1 month's pay as an encouragement.

I have the honor to be

Sir

your most obedient servant

William
District Engineer

P. W. 1874-Deh. 6.
Per 7/4 of 1874
No. 4722
The District Engineer
South Arcot
To the Secy to Govt
D.D. 29th
Recd. 30th July 1874
No 58
For reasons stated
suggesting that the 6
ward. sanctioned for
the Ponnar District. Right
to each of the 6
may distributed to 6
Hottens of the District
Annexed

Q. No. 2478. 22-8-74.

At. 6/20
3. ed. 174
16/30 July 1874

No. F
18

District Eng's Office S.A.
Camp Gouperpet 11th June 1874.

From

The District Engineer
South Arcot.

To,

The Chief Engineer
for Irrigation.

Sir,

I have the honor to report that the Ponnar River came down on 6th May in very heavy fresh no person recollects its having come down so heavily before and the result has been very heavy damages to irrigation works and roads.

2 Regarding the damage to irrigation works which is the subject of this report and which should have been sent in long ago but having only just come to the District I thought it necessary to see the more important works before reporting.

3 Commencing with the Ponnar River
The

7708 7181 W
P. W. 1871
The Ponnear Annicut near Truk-
alore is all safe as far as can be seen
but the Apron is still under water and
cannot be examined properly on North
bank the Pombay Channel which took
off close to the Annicut Wing wall, the
head Sluice to this Channel has been
completely destroyed and Channel washed
away for a distance of about $\frac{3}{4}$ of a
mile there was an embankment from
the Annicut wing to this sluice and
thence to the Head Sluice of Annullee
Channel, the river appears to have topped
this embankment and then cut it away
towards sluice which fell forward and
acted as a protection to the Annicut
Wing or it would have gone. Surveys
and levels are being made also Estimate
for repairs and materials are being Col-
lected for the purpose at present there is
too much water in river to do any work
but in course of a week I hope the repairs
will be in full swing, I may mention here
that at Annicut River was never known
to have risen more than 3 feet, on this
occasion it rose to 5.77 above crest or
nearly double, but it rose higher at
the

the Maradur Channel Head Sluice
which is the Southern most Channel
near which the water was held up by the
bay formed between Annicut and Sluice
at this sluice it rose to 7.36 above crest
and passed over part of the road to Annis.
and cut to a depth of 11 1/2 inches and but for
the exertions of the Superintendent and
Rotens we should have had damage
here also, the bay on this side is smaller
than the bay on North side so water must
have gone over embankment at least 1 1/2
to 1 1/2 feet in depth.

4 About 4 Miles below the Ponnear
Annicut an embankment known as
boryans embankment placed across the
boryans where it bifurcates from Ponnear
has been completely destroyed and the
south bank of river very much eroded
so much that where there were fields
and cultivation there is now nothing
but sand the surface having been cut
away. The causes of the boryans em-
bankment being destroyed were two, 1st
that the whole force of the heavy flood
was directed on to the embankment
by a reef of rocks / which you noticed when at

at the spot / which I have ordered to be removed.

2^d There is no doubt from the marks of debris brought down by river that the embankment was overtopped by flood, the Mullatar channel which passes through this portion has been completely obliterated not a vestige of channel or spoil banks remains, through this embankment breaching the Ponnear water found its way down the Mullatar into the Guddelum river where much damage has been done and will be noted further on. I may mention but for this relief to the flood water of Ponnear the large bridge across that river near Mungacor. must have been carried away as it rose to about $2\frac{1}{2}$ feet below extra. As of arches, as far as it can be examined no damage appears to have been done, when fresh subsides it will be carefully examined and if necessary report sent in.

5 On both banks of Ponnear River there are numerous river channels about 70 of these every one has been more or less damaged and heads destroyed and silted up, one the Anna. dabbly supply channel is entirely obliterated

obliterated and the Bank breached in 9 places.

6 The new Nopialavady channel near Mungacor which was in progress has been breached in several places and channel silted up for a distance of $\frac{1}{2}$ a mile to a depth of from 1 to $\frac{1}{2}$ a yard, the arch of an Aqueduct which was only keyed the night before the flood, came down has fallen, at the head sluice of this channel the water went over it to a depth of 4.29 feet.

7 With reference to above the channel heads and other damages are being corrected as quickly as possible to prevent detriment to the Cultivation

8 On the Guddelum River, the repairs which you saw / going on to Gravady. Ancient have been destroyed but an embankment has been put up, and irrigation is not stopped the repairs are again in hand water rose to level of top of wing walls of Ancient another 6 inches must have caused serious damage to if not the destruction of, ~~with~~ the Ancient.

9 The Namamadany Ancient the

the rough stone apron has been a good deal destroyed I have ordered to be repaired at once the water rose to within 2 inches of top of wing walls.

10 The Yivendipoom Amicut is all right except a little repairs required to apron.

11 The river channels on this river I am glad to say are all safe.

12 I have directed Blotch marks of this fresh to be fixed wherever it was seen or can be traced for record.

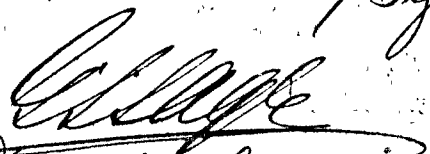
13 I would here request if possible that an additional Overseer a good man used to work and knowing Tamil be sent for employment in No. 1 Range on these repairs as the Taluk Overseers have now with their ordinary work more than they can do.

14 The whole of the above damages are in No. 1 Range which is fortunate in having Mr. Wiffen as Range Officer, in No. 2 a good many tanks have breached, but I have not heard of any damage in No. 3 Range.

(True Copy)

Shave &c

Signed / G. S. Sage
Dist Engr.


District Engineer.

N^o 68

District Engr's Office S. A.
Cuddalore 23rd June 1874

From

The District Engineer
South Arcot

To

The Secretary to Government
O. P. W.

Sir,

With reference to G. O. No. 1570 of 13 Instant, I have the honor to forward a copy of the further report therein awaited which was sent to Chief Engineer for Irrigation.

I have the honor to be
Sir,

Yours most obedient Servant

W. H. P.

District Engineer.

Pl. of 28 Aug 74
In B. N. 689
P. W. 3886/74
1

Enc. 1 Copy
of Report

P. W. D.

Proceedings of the Madras Government,

From the *Sh. Engr. S. Arce* Under date the *28. 8. 68* 1874
How *Read the following:*
Read the following:
The *Sh. Engr. S. Arce* (P. O. No. 88) dated 27th July 1874.

Para 1 of the order in the Revenue Dept. of the 8th July 1874, No. 847, was passed under the impression that the Katten referred to was a Revenue Sub-ordinate whereas the person who appears to be intended is the Ponnas Ancient Superintendent who is a member of the Jowar-waney Establishment of

11/8

P. W. D. 1874
Sh. Engr. S. Arce
No. 88

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

Sh. Engr. S. Arce

1874
March 15
1874

El. No. 2438-28-8-76

of the S. H. Department -
Such being the case,
and by his exemption
from the usual
test on account of
his good conduct
on the occurrence of
these floods, the pay
of the Superintendent
having been raised
from 15 to 25 Pesos
a month, a gratuity
appears to be unnecessary.

2. The grant of a
month's pay to each
of the Lascars employed
under the Superintendent,
whom the District
Engineer

Engineer may consider
deserving of this re-
ward, is sanctioned,
and will be met from
savings under Estab-
lishment.

Wm. 6/8/74
G.M.

58-
5-
Recd Dept ✓
Rev. Secy ✓
Lt. Engr. South Coast ✓
Capt. J. R. Ault ✓
Ch. Engr. for Engrs ✓
S. Capin depts 3/9/74

Nov 4/22

My dear Walter,

I thank you for
your order of
wire. The Board
evidently were
under some mis-
apprehension
about the status
of the "Koten" in
question.
Yours sincerely
O. H. Carter
5/8/24

689-691

2. 13. 11/71. 1/2
Civ 8/8/24. Rd 11/87

4722
3886

Govt. of 1874 Madras.
PUBLIC WORKS.

To

The Revenue Dept

Dated

Recd.

Encl. /

28th Sept No. 2438

Nos. 684-691

Reward

~~The grant of a month's~~

pay to each of the Pascar
employed under the Pascar
Superintendent, whom
the Encl may consider de
serving of this reward for their
services on the occasion of the
floods, sanctioned &
gratuity to the Superintendent
considered unnecessary -