

Proceedings of the Madras Government, Public Works Department,
1st November 1875

No 26. Read the following letter from Major H SMALLEY, R.E., Officiating District Engineer, Ganjam, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chatterpore, 5th October 1875, No 30—

I HAVE the honor to submit a preliminary report of damages done to the Communications, Irrigation Works, and Buildings in this district by heavy rain and river floods between the 14th and 20th ultimo—

	In	Cents
Rainfall registered at Berhampore	11th	2 70
	15th	0 95
	16th	3 55
	17th	3 80
	18th	1 60
	19th	0 10
Total		12 70

Rainfall at Russelcondah, 17th Between 6 and 11 P.M. said to have been about 5½ inches

Rainfall registered at Chicacole between 15th and 18th 10 inches 65 cents, of which 3.50 inches from 6 A.M. 17th, to 6 A.M. 18th

Rainfall at Kimedi from 17th 6 A.M. to 17th 6 P.M. 7.70 inches

River freshes—On the 18th there were 20 feet water in the Mahanuddy and 11 feet in the Rooskoolah at Aska

Godahaddi at Injeli—Register not received, but known to have overtopped the head sluice of the anicut

The Langoolah at Chicacole came down suddenly on the night of 17th, and there were 13 feet above zero in it on the 18th

Vamshadara at Heermandalam—Register not received, but believed to have been considerably higher than in 1872.

Mahendra Tanaya at 47th and 63rd miles Trunk Road—Not reported, but believed to have been higher than in any previous year known in Kimedi Estate, nine feet on the crest of the anicut at Butiscripooran

Lahuda river at Itchapore—Within 3 feet of the soffit of the bridge on the Trunk Road

DAMAGES TO IRRIGATION WORKS

Gumtur

The Mahanuddy river embankments at Aska both left and right sides were overtopped and breached in several places. Old sluice at Kooper, a nowgam washed away, one immense sheet of water was thereby formed down to the junction of the Mahanuddy and Rooskoolah rivers

The tributaries of the Mahanuddy near Russelcondah—the Bodanor and Loharakundi—were also breached, and the lands of several villages covered with sand in the Pailpada Moota

Berhampore

By the Godahaddi floods, a tributary of the Rooskoolah, the head sluice parapets at Injeli anicut was overtopped and the channel below breached.

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By the Bahuda river floods in the Itchapore Khandam, the channels leading therefrom were nearly all breached. The following tanks were also breached —

Pulta

Kukudakandi

Many others not reported

Chicacole

By the Vamshadara and Langoolia floods —

- 1 Sagarapugedda near Nowry banks overtopped and breached on both sides of the sluice
- 2 Ampole Napati tank breached Byree Desa Gedda breached in three places
- 3 Nagamecatamen Desi Gedda overtopped and breached in ten places, and fields below under water for three or four days
- 4 Polaki Desi Gedda embankment breached
- 5 Lookalam channel embankment washed away for fifty yards
- 6 Makivala calingulah, Syregam calingulah, and embankments damaged
- 7 Chennapore calingulah damaged
- 8 Andavaiam calingulah, seven shutters carried away
- 9 Peddapadu Nandigadi tank breached in two places
- 10 Peddapadu Oora tank breached in four places
- 11 Singapore Alli tank breached in one place.
- 12 Oomaravally channel dam injured.
13. Gathavalsa Padda tank bank overtopped by 1 foot 6 inches and breached in fifteen places, and calingulah damaged

Komedi Sub-division

- 1 Kristnasagaram tank bank breached and calingulah injured
- 2 Battisnepooram anicut channel below breached in four places
- 3 Temboore Soonepaghayi tank breached
- 4 Coomoo Sarnapilli tank do
- 5 Saravakota Gajapati Sagarum do
- 6 Codada Panasa tank do
- 7 Rangasagaram channel do.
- 8 Uldoo tank do
- 9 Rathasagarum tank do
- 10 Labara Nala do

DAMAGES TO ROADS

Gumsur Sub-division

Gopaulpore and Kalingia Road, 2½ miles near Aska under water and impassable from the 18th, several breaches near Aska. Hand-rails and parapets of bridge over Tipsur nala at Aska washed away. Many miles of broken stone and gravel washed entirely off the surface.

All the other Roads have likewise suffered in the same way, parts having been under water for from two to four days.

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Berhampore

Trunk Road overtopped for about 300 yards in the 15th and for 130 yards in 6th mile between Berhampore and Chetterpore.

Between Chetterpore and Ganjam the road was under water from 6 feet to 8 feet for three miles from the Rooskoolia, on the 19th and 20th traffic stopped. Gravel entirely washed away throughout and broken stone partly.

Between Bengal frontier and Rumbah 800 yards overtopped in the 8th, 150 yards in the 7th, and gravel washed away.

Between Ganjam and Hoomma about two miles were under water.

South of Berhampore — Gravel was washed away in the 2nd mile; from the 17th to 19th mile was 4 feet under water on the 18th September.

The branch road at Ganjam to the Custom-house was under water for the greater part of its length.

Loop-line at Berhampore by burial-ground gravel washed away.

Gopaulpore and Kalingia road — Gravel washed away in 5th mile near Gopaulpore third mile near Berhampore, gravel washed away for 200 yards and broken stone partly.

9th mile — 70 yards of gravel and broken stone washed away and generally damaged.

10th „ 25 do do do do.

12th „ 200 do do do do.

15th „ 237 do do do do.

16th to 24th mile gravel and metal washed away in places. Approaches of bridge at Injeh breached both sides.

Chicacole

Trunk road — Between 25th and 49th mile seriously damaged as detailed below —

31st mile under 4 feet of water three days

32nd mile damaged considerably, breached, and gravel and broken stone washed away.

39th mile breached in latter portion, and gravel partly washed away.

45th mile breached, and gravel partly washed away.

47th and 48th miles breached, and gravel and broken stone washed away.

49th mile — Three enormous breaches occurred, country inundated on both sides of the road, traffic stopped for some days.

16th mile gravel partly washed away.

17th „ do do.

21st „ do do.

23rd „ gravel entirely washed away.

25th „ breached.

26th „ breached in places, and gravel and broken stone washed away.

27th „ do do do do.

28th „ do do do do.

29th „ do do do do.

30th „ do do do do.

Road to Poondy seriously breached in three places in the 25th mile, 300 feet, 240 feet and 168 feet in length respectively, and from 6 feet to 7 feet in depth.

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Road from Nowpada to Temboire seriously damaged

Kimedi Sub-Division

Local Fund Roads—

Kimedi to Varanasi, 16th mile breached by Vamshadara

Kimedi to Baguradipooram seriously breached in 43rd and 45th miles and impassable for traffic

Kimedi to Calingapatam—Seriously breached in 17th and 18th miles, and approaches of Mahendra Tanaya bridge damaged

Kimedi to Poondy—Damaged

Estate Roads

Kimedi and Kinchilingi road mostly washed away between Palicota and Oopalada

Gusadi road—Two large breaches impassable

Puttipooram road greatly damaged, broken stone and gravel mostly washed away, and many old masonry works of stone-in-clay so seriously damaged as not to be worth repairing

Nowtala road breached, *Rajah's Palace* road under water for three miles, and gravel washed away.

Kursandi road slightly damaged

It is said that no such floods have been known at Aska within the memory of man. They were considerably higher than those of 1872, and even than those of 1866. In the Chicacole range there is no record of such floods at this time of year.

The Executive Engineer attributes the breaches made in the Trunk Road between the 25th and 49th mile to the bad order in which the Zemindari tanks are kept by the respective Zemindars, and to their consequent bursting in anything like heavy rain. A copy of his report has been sent to the Collector, and he will doubtless take steps to recover the cost of repairs from the Zemindars concerned.

It will be a very considerable time before all the damage done can be made good. Orders have been issued to all subordinates not to wait for orders, but to repair damages as quickly as possible, submitting emergent estimates hereafter. Emergent estimates for repairs to roads in the Gumsur sub-division alone amount to Rupees 5,095 as far as received.

P S.—Rain registered at Chetterpore	14th	In	Cents
	15th	9	0
	16th	5	20
	17th	4	40
	18th	3	85
	19th	2	25
		0	60
		25	30

No 27

ORDER THEREON, 1st November 1875, No. 3,099

ESTABLISHMENT, No 6.

THE HONORABLE the Governor in Council has read with much concern the account contained in the foregoing report of the damage occasioned by the floods in Ganjam, due to the heavy rainfall of September

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2 The District Engineer has doubtless already made arrangements for the execution of the more emergent repairs required, and it will be necessary thereafter to ascertain how far similar damage can be prevented in the future.

(True Extract)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Ganjam
„ Chief Engineer for Irrigation

Exd W J Lewis
Spare Copies

No. 30

District Engineer's Office.

GANJAM. *Chatterpin*

5th October 1876.

FROM

THE DISTRICT ENGINEER,

GANJAM.

TO:

THE

Secretary to

Government. *Mr. D.*

Fort St George.

SIR,

Enclosure.

I have the honor to
submit a preliminary report
of damage done to the Commu-
nication Irrigation works
near Bilalpur in the
District by heavy rain and
river flood between the 14th
and 20th October.

Rain fall registered at Berhampur	14 th	2.70
	15 th	1.90
	16 th	3.55
	17 th	3.80
	18 th	1.60
	19 th	1.10
Total		12.50

Rani fall at Rupil^{17th} between
- coulda } said to have
been about
5¹/₂"

Rani fall, registered
at Chinnole between 10.65
18th and 18th } of which

3.50 feet
from 6 a.m. 17th
to 6 a.m. 18th

Rani fall at Chinnole
from 17. 6 a.m. to 17th } 7.70"
6 p.m. —

River Sp. res. on the 18th
There were 20' water in the maha-
- maddy and 11' in the Roorkoolia
at Itka.

Codahaddi at Sujeli 3 registers
not received but known to have over-
topped the head of the
river.

The Rangooia at Chinnole
Came down suddenly on the
night of 17th and there were 13'
above there in it on the 18th.

Cinnahada at Peirainadalam,
registers not received but believed to
have been considerably higher than in
1872.

Machendra, Tangaya at 4¹/₂
+ 63' m. Frank Road. It
not reported but believed to have
been higher than in any previous
year known in Peirai Estate.
9. on the crest of the summit
at Butternipooram.

Bahuda River at Itchiapore
Within 3' of the soffit of the bridge
on the Frank Road.

Damages to irrigation works
Gunnore. The Mahanaddi
River embankments at Itka
both left and right sides were
overtopped and breached in several
places. Old sluice at 1200 ft a
drougan washed away one
immense sheet of water was
thereby formed down to the
junction of the Mahanaddi
and Roorkoolia rivers.

The tributaries of the maha-
-naddi near Rupilkonda the
Bodam.

1 Dodo noi and Lo harakundi
were also breached and the
lands of several villages covered
with water with the Pailpada
Moota.

Berhanipore: By the Goda
-Raddi floods a tributary of
the Rookkotea the river bank
was overtopped and the channel
below breached.

By the Bahuda River floods
in the Itchapoor Rhandan
the channels leading there
from were nearly all breached.

The following tanks were
also breached.

Pulla
Pukhilaikandi
many others not reported

Chicacole - By the Vamsa
-dara and Langoola floods

1 Tagaraugedda near Dore
banks overtopped and breached
on

on both sides the river.

2 Anipole & Apater Tank breached
Bye sea Gadda breached in
3 places.

3 Tagaricatanu sea Gadda
overtopped and breached in 10 places
and fields below under water
for 3 or 4 days.

4 Olaki sea Gadda Embankment
breached.

5 Rookalam Channel Embankment
washed away for
50 yards

6 Makwalsa Cahingulab Bye
-gain Cahingulab and Embankment
damaged.

7 Chennapore Cahingulab damaged

8 Budavarani Cahingulab. Seven
shutters carried away.

9 Padda padu & Pandigadi Tank
breached in 2 places.

10 Padda padu sea Tank breached
in 4 places.

11 Sengipore sea Tank breached
in one place

Domaravalli Channel Dam
injured.

Pathavala Pedda Tank - bank
overtopped by 1' 6" and breached in
15 places and calingula damaged.

Neerdi Sub Division.

1 Krista Sagarani Tank bank
breached and calingula injured

2 Batturepoorani Tank
Channel below breached in
4 places.

3 Tembore Doopaghaaji Tank breached

4 Coonoo Samapilli Tank breached

5 Sarvakota Gajapati Sagarani D: D:

6 Codadaparasu Tank D:

7 Rangasagarani Channel D:

8 Aldoo Tank ——— D:

9 Pathasagarani Tank ——— D:

10 Habara Chala ——— D:

Damages to Roads

Guntoor Sub Division

Gopalpore and Kalingia Road.
2 1/2 miles near Aska under
water

water and damaged
several breaches near Aska
and rails and parapets of bridge
over Siphir Kala at Aska wash.
red away. Many miles of broken
stone and gravel washed entirely
off the surface.

Like the other roads, same like.
were shipped in the same way
parts having been under water
for from 2 to 4 days.

Berhampore.

Tank Road - over topped for
about 300 yards in the 15th and for
130 yards in the 16th between
Berhampore and Chatterpore.

Between Chatterpore and
Ganjani the road was under water
from 6 to 8 for 3 miles from the
Roorhooia - on the 19th and 20th
water stopped - Gravel
entirely washed away through
out and broken stone parts.
Between Berhampore and
and Rumba - 800 yds over topped

in the 8th 100 yds in the 7th and
or a inch washed away.

Between Ganjam and Hoonuma
about 2 miles were under water.

South of Berhampore. Gravel
was washed away in the 2 mile
from the 17th to 19th mile was 4
under water in the 18th September.

The Branch Road at Ganjam
to the Cuttack River was under
water for the greater part of
its length.

Loop line at Berhampore -
Burial Ground - gravel washed
away.

Gopalpore and Radhigra Road -
Gravel washed away in 5th mile
near Gopalpore. 3 mile near
Berhampore gravel washed
away for 200 yards and broken
stone partly.

9th mile 70 yds of gravel and
broken stone washed away
and generally damaged.

10th mile - 25 yds }
12th " " 200 " }
15th " " 237 " }

Between Berhampore and Hoonuma

Approaches of bridge at Ejeli
breached both sides.

Cheracole

Trunk Road - Between 25th and
49th mile seriously damaged as detailed
below

34th mile under 4th of water 3 days
32nd - " " damaged considerably
breached and gravel and broken
stone washed away.

39 mile - breaches in latter portion
and gravel partly washed away

45th - breached and gravel partly
washed away.

47th and 48th miles - breached and
gravel and broken stone washed
away.

49th mile. 3 enormous breaches
occurred, country inundated
on both sides of the road.
traffic stopped for four days

16th mile } Gravel partly washed
17th " } away.
21st " }

23rd " Gravel entirely washed away

25th - breached.

26 mile-
 27 " } breached in places and
 28 " } gravel and broken
 29 " } stone washed away.
 30 " }

Road to Poondy. seriously breach-
 ed in 3 places in the 25 mile
 300, 240 and 168 in length respec-
 tively and from 6' to 7' in depth.

Road from Nioopada to Tenbne
 seriously damaged.

Kimedy Sub Division

Local Road Roads.

Kimedy to Varanasi. 16 mile
 breached by Vamskadara.

Kimedy to Bageradi pooram. Serious
 breaches in 43 and 45 miles
 and impassable for traffic.

Kimedy to Chalingapatam. seriously
 breached in 17 and 18 miles and
 approach of Mahendrad
 Tanaya bridge damaged.

Kimedy to Poondy - damaged.

Estate Roads

Kimedy and Kinkiliger Road.
 mostly washed away between
 Calicota and oopalada.

Gusadi Road. 2 large breaches
 impassable.

Pattipooram Road. greatly
 damaged - broken stone and
 gravel mostly washed away
 and many old masonry works
 of stone and clay so seriously
 damaged as not to be worth
 repairing.

Nocotata Road. Breached.

Raja's Palace Road. under water
 for 3 miles and gravel washed
 away.

Kursitor Road. slightly damaged.

It is said that no thick
 floods have been known at
 Etka within the memory of
 man. They were considerably
 higher than those of 1872 and
 even than those of 1866.

In the Cheasole Range there
is no record of such floods
at this time of year.

The Executive Engineer
attributes the breaches made
in the Spunk Road between
the 25 and 49 mile to the
bad order in which the Temi-
dare Tanks are kept by the
respective Zemindars and to
their consequent bursting in
any thing like heavy rain. A
Copy of his report has been sent
to the Collector and he will
doubtless take steps to recover
the cost of repairs from the
Zemindars concerned.

It will be a considerable
time before all the damage
done can be made good.
Orders have been issued to all
Sub-ordinates not to wait for
orders but to repair damages
as quickly as possible submitting
urgent estimates hereafter.

Emergency

Emergency Estimates for repairs
to roads in the Gumsone sub-
division amount to
Rupees 5095 as far as received

I have the honor to be
Sir,
Yours most obedt. Servt.

Wm. May Major R.E.
Off. District Engineer
Jaipur.

1100-011
Rani Registered at }
Chetupur } 14" Super Cent.
15- 5-20
16 4-40
17 3-85
18 - 2-25
19 - 2-00
25-30

H.S.

No 3099 Subhindslept
 Proceedings of the Madras Government
 under date the 1st Nov/75
 Read the following:-

From

The District Engineer
 Tanjore

Ch. 8 No 30 dated 5 Oct/75

The Honorable
 the Governor in Council
 has read with much
 concern the account
 contained in the fore-
 going report, of the
 damage occasioned by
 the floods in Tanjore,
 due to the heavy rainfall
 of September.

2 The District
 Engineer has doubtless
 already made arrange-
 ments for the execution
 of the more urgent
 repairs

1827/1828/75-1831/75

From W. 1895 Delph.
 The District Engineer

To

The Secretary to

Government

No 30

21/11/75

Dated 5

Dispatched

Received

Enclosure

G.O. No 3099. 1. 11. 75

It is to be a preliminary
 report of a survey
 done to the Government
 lands, which are in the
 District Engineer's charge
 by the Survey Officer
 of the District

1828-10-75
 1829-10-75

repairs required, and
it will be necessary
thereafter to ascertain
how far similar damage
can be prevented in the
future.

May 25/10

[Signature]

J. E. Simpson
of New York

Sept. 17-11-75

6611

Colt. of 1875 Madrid.

PUBLIC WORKS.

To
D. E. Ganjam

3

Dist 3

Dist 3

1 2

Dist

G. O. 10th Nov 1875, No 3093.

For 26-27

Floods. Passing orders
in letter from the D.E.
Ganjam reporting damages
done to Public Works by
the heavy — of September.