

M.R.O. 1-77,000-S-8-37.

(1) Number of pages

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1635	Press
122-33134		Mis.
Dated	6-7-18	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th July 1872.*

Read the following papers :—

No. 132. Read the following endorsement of the Revenue Department.
Read the following Proceedings of the Board of Revenue, dated 11th June 1872,
Mis. No. 4,111.

Read the following letter from the Acting Collector of North Arcot, to the Secretary
to the Board of Revenue, dated Camp at Arnee, 3rd June 1872, No. 330.

IN continuation of my letter of the 23rd instant, No. 210, I have the honour
to submit a detailed report on the results of the hurricane which swept through
the district in the beginning of the last month.

2. On the 30th of April the sky was much overcast with clouds, and on the
night of that day it rained heavily and continued to do so with a break now and
again till the evening of the 1st May. During that night there was a continual
downpour, which did not cease till 3 P. M. the following day.

3. On the morning of the 2nd there were unmistakeable signs of an approach-
ing storm which soon commenced to rage violently. High winds blew, veering
round to all points of the compass, with an occasional lull. The wind gradually
increased in force, and throughout the afternoon of the 2nd instant there was a
tremendous hurricane. It blew furiously for four hours, and then gradually
subsided into a calm by seven in the evening.

4. I was at the time at Chittoor, and immediately wrote officially to all the
divisional officers calling on them to report in detail the damages that I felt
certain must have been caused to irrigation works and communications in the
district; and at the same time a circular was sent by me to all the Tahsildars
calling on them to submit to me at once, direct, a detailed account of the damages
caused by the storm.

5. The first set of reports from the taluqs showed that the Tahsildars had
based their reports on vague hearsay statements. They were then directed to
inspect personally the several works stated to have been damaged and to report
particulars in detail. This they have now done, and I beg to submit a statement
showing, I believe, accurately the extent of the damage caused to the irrigation
works, and the amount of revenue dependent thereon in each taluq of the
district. The loss of cattle in each taluq is likewise shown in the statement, but
in this respect our information is vague, and I do not place much reliance on it.

6. The fall of rain on the 2nd May
registered in each taluq is as shown in
the margin.

	In. Oz.
Chittoor	9 0
Chendragherry	1 9
Palmanair	6 7
Gudiathum	6 2
Wallajah	6 0
Vellore	12 0
Poloor	5 0
Wandewash	12 0
Arcot	7 2

7. In the Chittoor Taluq 16 tanks
and 8 channels were breached. The
revenue dependent thereon is set down
at Rupees 12,435. The road from
Chittoor to Paradaramy, being a portion
of the road from the former place to

Gudiathum and that from Chittoor to Katpady (the Vellore Railway Station), were
considerably damaged in several places. Besides these damages (which I under-
stand have been repaired to some extent), there has been some loss amongst cattle.

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6th July 1872.*

8. No damage occurred in the taluq of Chendragherry.

9. In the taluq of Wallajah likewise no tanks or channels were breached, but the Poloor and Ponnai anicuts sustained slight injuries, and the wing-walls of a bridge over the Checkramulloor channel were swept away.

10. The damage done in the Palmanair taluq is so inconsiderable that it needs no further notice.

11. In the Gudiathum taluq 39 tanks and 20 channels are reported to have breached. The revenue dependent on these works is Rupees 16,342. The following roads were damaged in this taluq :—

Road from Gudiathum to Vellore Railway Station, cut up at the 8th, 9th, 10th, 12th, 13th, 14th, and 16th miles. At the 16th mile road breached to the extent of 32 yards in length, 8 yards breadth, and 8 yards depth.

Do. from Vellore Railway Station to Trivellum, cut up at 2nd, 3rd, 4th, 5th, 6th, and 7th miles.

Do. from Verinchipuram Railway Station to Trunk Road No. 1, cut up in several places.

Do. from Gudiathum Railway Station to Palmanair, 5th, 9th, and 10th miles cut up. In the 5th mile there is a breach 8 yards long, 6 yards broad, and 3 yards deep.

Do. from Vellore Railway Station to Trunk Road No. 3, leading to Chittoor. Road side cut up at the 5th mile for 31 yards in length, 8 yards breadth, and 8 yards in depth.

Do. Gudiathum to Chittoor. At 16th and 19th miles a good deal damaged.

Do. Satghur to Amboor, 9th and 10th miles slightly damaged.

There was a serious flood in the village of Vythenancupam, in which one child was drowned, 20 houses swept away, three cattle destroyed, and standing and harvested crops and cattle to the value of Rupees 3,000 carried off by the water.

12. Of all the taluqs in the district, the Wandewash taluq suffered the most in respect of its tanks and channels; of these no less than 253 and 13 respectively are reported to have breached. The revenue dependent on these tanks and channels has been returned at not less than Rupees 1,30,412. The loss of personal property in this taluq has also been very great. Much cattle perished from exposure to the weather and from floods. Cultivable lands have been either washed away or have had a vast accumulation of sand thrown on them. Crops ready to be harvested were in like manner swept away or submerged; and a large quantity of grain, straw, and other property were carried away by floods. Fortunately there has been no loss of human life.

13. Next in importance comes the taluq of Arcot, where 96 tanks, producing a revenue of 54,427 rupees, were breached. The story of the hurricane in this taluq is the same as that in Wandewash, except that two or three men were carried away in the floods. The loss in sheep and goats is estimated at 3,380, and that in oxen at 609. A number of houses were washed away in Kolar and other villages.

14. In the Vellore taluq there occurred, as the Government are aware, a most terrible disaster in the shape of a flood, the result of three tanks breaching one after the other, the accumulated water pouring into and sweeping away a great

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6th July 1872.*

portion of the town of Vellore, and causing immense loss of life as also property of all kinds. On this calamity I have already submitted a detailed report to Government, and I therefore abstain from entering upon it here. As regards injury to irrigation works the Vellore taluq stands third on the list. In this taluq 58 tanks and one channel are reported to have breached, and the revenue dependent thereon is estimated at Rupees 31,111.

15. The Board will thus perceive that the disasters have been widespread, and are so very serious that a large sum of money will be required to restore the irrigation works; and unless we meet the difficulty at once, there will assuredly be an extremely heavy loss of revenue to the State in the next cultivation season. I beg, therefore, earnestly to request that the Board will be pleased to move Government to sanction the grant of at least two lakhs of rupees to put the irrigation works and roads into proper order. I would beg respectfully to suggest that a Special Engineer, with a properly qualified set of subordinates, should be appointed to this district, whose sole duty would be to estimate for the repair of the irrigation works damaged by the storm in the Wandewash, Arcot, Gudiathum, and Vellore taluqs. It is useless to expect that this enormous amount of work, suddenly thrown on the department, can be performed by the staff of Public Works Subordinates at present attached to this district. No matter how zealous and efficient each native officer may be, it is not fair to expect that he will be able to cope successfully with a difficulty of such magnitude; and as I have already pointed out to Government in my letter No. 20, dated 20th ultimo, I consider it to be of the utmost importance that additional professional aid in the shape of two European officers should be supplied. The working season is far advanced, and it will not be an easy matter to get many of the works repaired before next monsoon. I therefore would recommend that a good many of the repairs should be executed by the Revenue Department, and on contracts given to the villagers themselves. They are directly interested in the speedy restoration of the tanks, and we may rely on their making every effort to get them repaired in proper time.

Statement showing the number of Irrigation Works reported to have breached during the late storm in several Taluqs, North Arcot District.

No.	Name of Taluqs.	Number of Villages.	NUMBER BREACHED.		Revenue dependent thereon.	NUMBER OF CATTLE, ETC., LOST.		
			Tanks.	Channels.		Sheep.	Cows.	Human lives.
1	Chittoor	20	16	8	Rs. 12,435 0 0	Great many, number unknown.	Great many, number unknown.	...
2	Chendragherry	...	...	1	178 0 0	874	223	1
3	Palmanair	...	...	...	...	...	...	...
4	Wallajah	...	39	20	16,341 11 10	2,000	...	3
5	Gudiathum	...	96	...	54,427 0 11	3,380	609	2
6	Arcot	...	...	...	...	...	...	...
7	Poloor	...	253	13	1,30,412 0 0	Great many, number unknown.	Great many, number unknown.	...
8	Wandewash	214	...	...	...	Do.	Do.	233
9	Vellore	52	53	1	31,110 14 8	...	...	...
	Total...	...	467	44	2,41,934 11 5	...	...	...

CAMP AT ARNEE,
5th June 1872.

(Signed) W. S. WHITESIDE,
Acting Collector.

*Proceedings of the Madras Government, Public Works Department,
6th July 1872.*

SUBMITTED for the information and orders of Government.

2. The damages reported by the Collector are very great, and he proposes a grant of two lakhs of rupees and a special engineering staff to remedy them.

3. The repair of the communications which have been injured appertains to the Local Fund Boards, and the Collector should submit an application for the necessary transfers of funds as soon as possible.

(True Copy and Extract.)

(Signed) J. GROSE,
Secretary.

REFERRED to the Department of Public Works for disposal.

(Signed) W. HUDLESTON,
Secretary to Government.

No. 133. From the Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 12th June 1872, No. 1,139.

In reply to memorandum of yesterday's date, I have the honour to report that the injury done to tanks and channels by the cyclone is calculated up to this time to amount to nearly one lakh of rupees, and that estimates to the value of Rupees 2,61,160 had been submitted by Range Officers previous to the occurrence of the storm.

2. Estimates to a considerable sum have reached me from Poloor and Chittoor Ranges, but none have come from Vellore, although I sent a Supervisor (Mr. West) from the Presidency to relieve Assistant Engineer Soobroya Achary of the estimates in the Jail and Cantonment.

3. So far as I am informed the ryots are anxious to undertake the execution of the repairs themselves, and I believe no difficulty will be found as to labour if additional funds can be hereafter supplied.

4. I think it highly important to have officers in so large and valuable ranges as Chittoor and Vellore, and trust that the Government will be able to carry out the Collector's suggestion. I should be glad to have an additional Overseer in each of the three ranges* for the next four months for measuring work.

* Chittoor, Vellore, and Poloor.

5. I start myself for Vellore and Gudiathum to-morrow, and will address Government further after I have seen the Range Officers, and the works which have suffered most.

*Proceedings of the Madras Government, Public Works Department,
6th July 1872.*

No. 134.

ORDER THEREON, 6th July 1872, No. 1,635.

IRRIGATION, No. 6.						Tanks.	Channels.	Total.	Revenue.
									Rs.
Chittoor	...	...	...	...	...	16	8	24	12,435
Gudiathum	...	...	...	...	...	39	20	59	16,342
No. 3 Range						55	28	83	28,777
Arcot	...	...	...	...	...	96		96	54,427
Vellore	...	...	...	...	...	58	1	59	31,110
No. 4 Range						154	1	155	85,537
Wandewash—No. 5 Range						253	13	266	1,30,442
Total								504	2,44,756

As shown above, of the 504 irrigation works, so called, with an aggregate revenue of Rupees 2,44,756, which have been more or less damaged by the storm of 2nd May, upwards of one-half, namely, 266, with revenue of Rupees 1,30,442, are situated in the Poloor Range under charge of Ensign Bevan, an Assistant Engineer of the first grade, who has had upwards of twenty years' service in the Public Works Department. The Native Assistant Engineer and first class Supervisor in charge of the Vellore and Chittoor Ranges, whom it is proposed to supersede by European Officers, have respectively to deal with 155 works aggregating Rupees 85,537 of revenue, and 83 works with an aggregate revenue of Rupees 28,777.

2. It would appear, therefore, that it is rather an increase of strength in the subordinate ranks, for details of measurement and supervision, that is required than the supersession of Native by European agency, the encouragement and development of which former class is very desirable. Colonel Moberly's report confirms this view, as he seems to lay chief stress on the need of additional Overseers though he supports the Collector's requisition for European officers at Chittoor and Vellore.

3. Without implying, therefore, that a change in that direction may not be made when the new organization of the department comes into operation, the Government for the present resolve to restrict the additional re-inforcement of the Public Works Department in North Arcot to the subordinate grades. Colonel Moberly has already sent Mr. Supervisor West to assist in the Vellore Range; and he is authorized to employ as temporary Taluq Overseers the three best men he can find for the period he has named. The Superintending Engineer of the 1st Division will be instructed to despatch Mr. Supervisor Hicken with the least possible delay to work in either of the other ranges. And to supply a third Supervisor the amalgamation of the Chendragherry and Wallajah Ranges, already ordered by Government to have effect from the introduction of the new organization, will immediately be carried out; Mr. Sub-Engineer Smither being instructed to relieve Mr. Supervisor Stephens with all despatch.

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6th July 1872.*

4. As it is probable that out of the 504 so called irrigation works reported as damaged many are of a size and description that render the question of their future maintenance and by what agency a very doubtful one, the Government request that the Collector and Superintending Engineer will take this opportunity of investigating it thoroughly, and that they will pass no repair estimates without thorough scrutiny. Many of the estimates, amounting to Rupees 2,61,160, alluded to by Colonel Moberly as having been submitted before the storm, will probably require revision with reference to its effects.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineers, 1st and 4th Divisions.
.. Revenue Department.
.. Acting Chief Engineer for Irrigation.
.. Controller of Public Works Accounts.

*Revenue Department
Proceedings of the Board of Revenue
dated 11th June 1872.
Read the following:-
At 2.30.
W. P. Whitehead Esquire
Acting Master of North Creek
J. G. Esquire
Secretary to the Board of Revenue
Madras*

*In continuation of my letter of the
23rd instant, at 2.10 I have the honor to
submit a detailed report on the results
of the Hurricane which swept through
the District in the beginning of the last
month.*

*On the 30th of April, the sky was
much overcast with clouds, and on the
night of that day it rained heavily,
and continued to do so with a break
now and again till the evening of the
1st May. During that night there was
a continual downpour which did not
cease.*

Cease till 3 PM the following day.

3. On the morning of the 2^d there were unmistakable signs of an approaching storm which soon commenced to rage violently. High winds blew, veering round to all points of the compass, with an occasional lull. The wind gradually increased in force, and throughout the afternoon of the 2^d instant, there was a tremendous hurricane. It blew furiously for four hours, and then gradually subsided into a gale by 7 in the evening.

As I was at the time at Chittoor and immediately wrote officially to all the Divisional Officers, calling on them to report in detail the damage that I felt certain must have been caused to irrigation works and communications in the District; and at the same time a Circular was sent by me to all the Tahsildars calling on them to submit one at once, direct, a detailed account of the damages caused by the storm.

The

5. The first lab of reports from the Tahsildars claimed that the Tahsildars had based their reports on very vague hearsay statements. They were then directed to inspect personally the several works that have been damaged, and to report particulars in detail. They have now done, and I beg to submit a statement showing the extent of the damage caused to the irrigation works, and the amount of Revenue dependent thereon in each Taluq of the District. The loss of Cattle in each Taluq is likewise shown in the statement; but in this respect our information is vague, and I do not place much reliance on it.

6. The fall of rain on the 2^d day registered in each Taluq is as shown in the margin.

Chittoor	9--
Chandragiri	1-9
Palamaner	6-7
Juditham	6-2
Walgah	6--
Vellore	12--
Paloor	5--
Wandur	12--
Arcoor	7-2

In the Chittoor Taluq 16 Tanks and 8 Channels were breached. The Revenue dependent thereon

is set down at Rs 12,435. The road
from Chittoor to Parashuramy being
a portion of the road from the former
place to Gundathur and that from
Chittoor to Kappady (the Vellore
Railway Station) were considerably
damaged in several places. Besides
these damages, (which I understand
have been repaired to some extent),
there has been some loss amongst
Cattle.

8. No damage occurred in the Luby
of Chendragherry.

9. In the Luby of Wallajah Ali there
no tanks or channels were breached,
but the Rafar & Pinnar Quikats,
sustained slight injuries & as to
the wing walls of a bridge on the
Chakramallor Channel, it was
swept away.

10. The damage in the Palamuru
Luby is so inconsiderable that
it needs no further notice.

11. In the Gundathur Luby 39 tanks
and

at in the Luby, ...
and 20 channels are reported to
have been breached. The Revenue depends
on these works. Rs. 16,342. The
following roads were damaged in
these Luby:

Road from Gundathur to Vellore
Railway Station, Cut up at the 8th, 9th,
10th, 12th, 13th, 14th and 16th miles. at the
16th mile road was breached to the extent
of 32 yards in length, 8 yards breadth
and 8 yards depth.

Road from Vellore Railway Station
to Linetham, Cut up at 2nd, 3rd, 4th,
5th, 6th & 7th miles.

Do from Verinchipuram Railway Station
to Trunk Road at 1, Cut up in several
places.

Do from Gundathur Railway Station to
Palamuru, 8th, 9th & 10th miles Cut up.
In the 8th mile there is a breach
8 yards long, 6 yards broad and
3 yards deep.

Do from Vellore Railway Station to
Trunk Road at 3, leading to Chittoor.
Roadside Cut up at the 5th mile
for 31 yards in length, 8 yards breadth
and 8 yards in depth.

Do from Gundathur to Chittoor. At 16th
and 19th miles a good deal damaged.
Do from Satchur to Andoor, 9th & 10th miles
slightly damaged. There

There was a serious flood in the village of Otthanaicupham in which one child was drowned; 20 houses swept away; 300 Cattle destroyed and standing and harvested crops and Cattle to the value of Rs 3000 carried off by the water.

12. Of all the Taluqs in the district the Wandewash Taluq suffered the most in respect of its tanks and channels. Of these, 253 and 13 respectively are reported to be damaged. The Revenue dependent on these tanks and channels has been estimated at not less than Rs 1,30,000. The loss of property in this Taluq has also been very great. Much Cattle perished from exposure to the weather and from floods. Culturable lands have been either washed away or have had a vast accumulation of sand thrown on them. Crops ready to be harvested were unlike ordinary swept away or submerged; and a large

13 4
large quantity of grain, straw and other property were carried away by floods. Fortunately there has been no loss of human life. Next in importance comes the Taluq of Arcot, where 96 tanks producing a revenue of 54,427 Rs. were breached. The story of the Hurricane in this Taluq is the same as that in Wandewash, except that two or three men were carried away in the floods. The loss in sheep, goats is estimated at 3,380, and that in oxen at 609. A number of houses were washed away in places and other villages.

In the Bellare Taluq, there occurred another disaster in the shape of a terrible disaster in the shape of a flood the result of 3 tanks breaching one after the other the accumulated water pouring into and sweeping away a great portion of the town of Bellare, and causing immense loss of life, as also property of all kinds. On this Calamity I have already submitted

a detailed report to Government,
and I therefore abstain from entering
upon it here. As regards injury to
irrigation works, the Vellore Subdy
stands 3rd on the list. In this Subdy
58 tanks and 1 Channel are
reported. None breached and
the Revenue dependent thereon is
estimated at Rs. 31,111.

B. The Board with true foresight
that the disasters have been wide
spread and are so very serious
that a large sum of money will be
required to restore the irrigation
works; and unless we meet the
difficulty at once, there will assuredly
be an extremely heavy loss of Revenue
to the State in the next Cultivation
Season. They therefore earnestly
to request that the Board will
be pleased to bring Government
to sanction the grant of at least
two Lacs of Rupees to put the irrigation
works and Roads into proper
order. I would beg respectfully

15
to suggest that a Special Engineer,
with a properly qualified set of
subordinates, should be appointed
to this District, whose sole duty
would be to estimate for the repair
of the irrigation works damaged
by the storm in the Wandewash,
Creek, Gudiattem, and Vellore
Subdys. It is useless to expect
that this enormous amount of work,
suddenly thrown on the Department,
can be performed by the Staff
of Public Works Subordinates
at present attached to this District.
No matter how zealous and efficient
each native officer may be, it is
not fair to expect that he will be
able to cope successfully with a
difficulty of such magnitude,
and as I have already pointed out
to Government in my letter No 20,
dated 20th ultimo,
I consider it to be of the utmost
importance

importance that additional & professional aid in the shape of two European officers should be supplied. The working design is far advanced, and it will not be an easy matter to get many of the works repaired before next monsoon. It is therefore recommended that a few drawings of the repairs should be sent in by the Revenue Department, and on contracts given to the villagers themselves. They are deeply interested in the speedy restoration of the tanks, and we may rely on their making every effort to get them repaired as far as possible.

North Coast
Collector's
Civil Office
Camp Area
3rd June 1872

I have to
sign
W. H. Whiffleside
District Collector

Submitted for the information
and orders of Government.
The

The damages reported by the Collectors are very great, and he proposes a grant of two lacs of Rupees and a special Engineering staff to remedy them. The repairs of the Communications which have been ignored apparently by the Local Authorities are a subject which is an application for the necessary assistance of funds as far as possible.

(True copy extract)

Circular
No. 1036
Dated 10/6/72

Prole
Secretary
To the Chief Secretary to Government
Revenue Department
with enclosure

Edmund
Chief District Officer

1032
 The 8th
 of the month of
 1872

I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the above mentioned subject. I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, etc.
 J. H. [Signature]

I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the above mentioned subject. I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, etc.
 J. H. [Signature]

Statement showing the number of irrigation works reported to have been washed out by the late storm in General Salubert District

No.	Name of place	No. of irrigation works	No. of dependent channels	No. of dependent works	Area in acres	Population	Value in rupees	Remarks
1	Chittur	20	16	8	12,455	Great Salt many No. unknown	Chittur Range - 189	
2	Chittur	5	5	1	178	87 1/2	223	1
3	Palamalai							
4	Wallagah							
5	Ludiatnam	9	39	20	16,341	110	2,000	3
6	Tril	79	96		54,427	11	3,380	609
7	Palam							
8	Chittur	214	253	13	1,304	2	1,304	2
9	Chittur	52	58	1	3,110	14	8	233
		467	44	24	24,934	115		

J. H. [Signature]
 J. H. [Signature]
 J. H. [Signature]

I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the above mentioned subject. I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, etc.
 J. H. [Signature]

Public Works Department
 Proceedings of the Madras Government
 Read the following

Progs of the Board of Rev. / H.E. No. 4111 of 11th June 1872 /
 From The Sup^r Engrs. / H.E. No. 11397 of 12th June /

2930.
 PW 2898/72.

In a letter from the
 Collector to the Secretary to the
 Board of Revenue
 3 June 1872 at 2.30

Jul 11/72 2939/72

	Sunk Channels		Total	Revenue
Chittoor	16	8	24	12,435
Gudiattam	39	20	59	16,342
No. 3 Range	55	28	83	28,777
Briest	96	"	96	54,427
Vellore	58	1	59	31,110
No. 4 Range	154	1	155	85,537
Grandinash	253	13	266	1,30,442
No. 5 Range			504	2,44,756

As shown above,
 of the 504 Irrigation
 Works, so called, with
 an aggregate revenue
 of Rs 2,44,756, which
 have

for
 by
 Ld.

have been more or less
damaged by the storm
of 2nd May upwards
of one half, viz 266 with
revenue of Rs 1,30,442,

are situated in the
Poloor Range under
charge of Ensign Beran,
an Assistant Engineer
of the 1st grade, who has
had upwards of 20 years
service in the Public
Works Department.

The Native Assistant
Engineer and 1st class
Supervisor respectively
in charge of the Vellor
and Chittoor Ranges
whom it is proposed to
supersede by European
officers, have respectively
to deal with 156 workmen

aggregating Rs 85,537
of Revenue, and 88 works
with an aggregate re-
venue of Rs 28,777.

It would appear
therefore that it is rather
an increase of strength
in the subordinate
ranks for details of
measurement and
superintendence, that is
required than the
supercession of Native
by European Agency, &
the encouragement
and development of
which former class the
Government is most anxious
for. Colonel Moberly's
report confirms this
view, as he seems to lay
chief stress on the need
of additional Overseers,

is my desire

though he naturally
enough backs up the
Collector's requisition
for European officers
at Chittoor and Vellore.

Without implying
therefore that a change
in that direction
may not be made
when the new Organi-
zation of the Depart-
ment comes into opera-
tion, the Government
for the present resolve
to restrict the additional
reinforcements of the
Public Works Depart-
ment in North Arcot
to the subordinate
grades. Col. Inverly
has already sent Mr.
Supervisor West to
assist in the Vellore
Range;

I would simply
say "support"

Range; and he is au-
thorized to employ
as temporary Salook
Overseers the best
men he can find for
the period he has
named. The Super-
Engineer 1st Division
will be instructed to
despatch Mr. Super-
visor Kicken with the
least possible delay
to work in either of
the other Ranges and
to supply a third
Supervisor or the amal-
gamation of the
Cheudragherry and
Wallajah Range
already ordered by
Govt to have effect
from the introduction
of the new organization

^{my} shall immediately
be carried out; Mr.
Sub Engineer Smither
being instructed to
relieve Mr Supervisor
Stephens with all
despatch.

As it is probable
that out of the 504 so
called Irrigation Works
reported as damaged
many are of size and
description that render
the question of their
future maintenance,
and by what Agency
a very doubtful one;
the Government re-
quest that the Col.
Inspector and Sub Engineer
will take this oppor-
tunity of investigating

^{2 13}
it thoroughly, and
that they will pass
no repair estimates
without thorough
scrutiny. Many
of the estimates
amounting to Rupees
2,61,160 alluded to
by Col. Inoherly as
having been submit-
ted before the storm
will probably re-
quire revision
with reference to its
effects. W.W.

To
The Super^{intending} Engineer
Rev. Department
Chief Eng^{ineer} Irrigation
Bombay Despatch

7.11.41-1311 ✓

293042898

Govt. of 1872. Madras.

PUBLIC WORKS.

The Superintending Eng^r
1st Divⁿ - Division

Dist^d

Recd.

Encl 2

6th July 1872. No. 1635.

Nos. 132-133 & 134

Public Works. Repairing
orders on reports of the
Commissioners & occasioned
in the 4th Divⁿ
to Public Works during
the recent Cyclone.

1320131

2. June 22 June 72