

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1093	Press
B.P. No.		Mis.
209, 210, 211		
Dated	12 4.	18/3

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th April 1873.*

No. 209. Read the following endorsement of the Revenue Department, dated 23rd January 1873 :—

Read the following Proceedings of the Board of Revenue, dated 17th January 1873, No. 64.

From the Acting Collector of the Chingleput District, to the Secretary to the Board of Revenue, dated Saidapet, 10th December 1872, No. 517.

As directed in paragraph 3 of G. O., Public Works Department, dated 22nd October last, No. 2,487, communicated with Board's Miscellaneous No. 7,345, dated 5th ultimo, I have the honour to forward a list of Agricultural Minor New Works, and in doing so to state that as the estimates for them had been all returned to the Superintending Engineer, some time before the order under reference was received, the amounts for sluices and calingulas cannot, where they were estimated for together, be distinguished.

2. As regards paragraph 2, it will be observed from the list that the estimates provide generally for new masonry works, and re-construction or restoration, as stated in paragraph 5 of my letter No. 347 of 1872, and not for mere small additions or simple repairs to the existing ones, such as to warrant their being undertaken from the ordinary annual repair grant.

3. With reference to paragraph 3, I have the honour to report that the estimates in question have been, I find, accumulating since 1866-67; the practice in this district has been to countersign and return only such as were considered most urgent, and keep back the rest for selection in future years; but the grant for these works having been for intervening years very small, their number increased rapidly.

4. I may add that I do not approve of this practice, and that, previous to the receipt of the G. O. under reply, I had sent all such estimates to the Superintending Engineer, with reference to certain arrangements in contemplation to improve the system, hitherto followed in apportioning allotments to the different taluqs, and in selecting estimates for execution.

ENCLOSURE No. 1.—List of Agricultural Minor New Works.

SUBMITTED to Government with reference to the Order quoted by the Collector.
(A true Copy and Extract.)

(Signed) J. GROSE,
Secretary.

TRANSFERRED to the Department Public Works with reference to the order quoted.

(Signed) D. CARMICHAEL,
Secretary to Government.

No. 110.

No. 210. *Note by the Chief Engineer for Irrigation.*

THE list transmitted with the Proceedings of the Board of Revenue, No. 64, dated 17th January 1873, contains sixteen works exceeding the limit within which

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12th April 1873.*

the District Engineer has the power of sanctioning Minor New Works Agricultural, and the plans and estimates, of each of these works as it may be deemed desirable to carry out, should be transmitted to this office for examination.

2. If all the minor new works included in the list are really taken any years before the wants of the irrigation works in the Chingleput District in this respect can be supplied, but this is the greater reason why steady progress should be made year by year. In the current year up to the 31st December not a single work appears to have been undertaken, and it is useless to talk of the inefficiency of the allotments if the latter even are not utilized.

3. The provision of surplus escapes for all except isolated works, which in this district are comparatively few in number, must be considered in connection with the circumstances of all the tanks in the same major catchment basin. The way in which irrigation works are to be grouped has already been pointed out in G. O., No. 1,031, dated 3rd April, and the District Engineer and Range Officers should set to work to ascertain the requirements of each group of tanks, and then proceed to estimate for each sub-group, or, in other words, for each catchment basin, and then arrange to construct the surplus weirs of all the tanks in such minor basins simultaneously or in one season.

4. Sluices can be constructed as fast as funds and proper supervision can be provided. Care must however be taken not to allow a greater number of such works than the area and circumstances of the cultivation under each tank really render necessary. The villages have been in habit, in some districts, of making numerous cuts in the banks of tanks, and often such cuts have been sanctioned for construction until the Range Officer has himself inspected the work, and selected the site, and every estimate for such a work should exhibit at the top the area of irrigation, the number of existing sluices, and the number of the lands under the tank. In the course of two or three years every tank should be inspected by the Range Officers, and a large number of them by the District Engineer; and, if proper care be taken in noting down what may be needed to make the work efficient, and the order in which the several descriptions of work should be carried out, there will not be the slightest difficulty in making up a Minor New Works Fund to the best advantage, or in instructing the subordinate establishment as to what estimates, which the Range Officer may himself be able to prepare, are to be made out.

5. Attention has already been called in the Circular as per margin to the need of a careful pre-arrangement of the work to be undertaken each season, and No. 20, dated 24th November 1870, required to be submitted at the close of each year. It is essential of course that the Range Officers should become intimately acquainted with their charges, and District Engineers with their districts, otherwise the systematic treatment of all kinds of works will be impossible. It is to be hoped that transfers will be discouraged, and that, when changes are unavoidable, the leaving officer

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12th April 1873.*

will be required to take over charge in such a manner as will ensure his acquaintance with all the works in progress or proposed. This arrangement was in force some years back, but of late years there have been many instances of officers leaving their ranges before the arrival, or even nomination, of a successor, and such a course is fatal to efficient management.

6. Seeing the apparently pressing need for a very considerable expenditure on Minor New Works Agricultural in the Chingleput District, I shall be prepared, as soon as I am convinced that works to be immediately undertaken have been selected and designed by competent officers, to recommend that funds to double or treble the usual annual allotment for this purpose, shall be made available. Additional grants may this year be provided by transfer from Repair Funds, and in future years it will be well to increase the reserve under Agricultural to such an extent as the well-considered demands of District Engineers may indicate to be necessary. I have, for some years past, strongly advocated the efficient management of existing works, in preference to the construction of new works, and justice and prudence alike are, I think, in favour of this course being steadily pursued. If establishments are unequal to do all that may be desirable, they should understand that their first duty is to put, and maintain, in good working order every existing public work, at any rate to the full extent that funds can be made available.

VALEPANOOR,
22nd February 1873.

(Signed) J. MULLINS, Lieut.-Colonel, R. E.,
Chief Engineer for Irrigation.

No. 211.

ORDER THEREON, 12th April 1873, No. 1,093.

IRRIGATION, No. 14.

His Excellency the Governor in Council regrets to learn from the Chief Engineer for Irrigation that no outlay whatever had been effected on the minor new works of the Chingleput District during the first nine months of 1872-73. And it has since been reported by the District Engineer that he surrenders Rupees 2,000 out of the allotment of Rupees 5,000 for Minor New Works Agricultural. This entire inaction in a district in which estimates to the amount of nearly 1½ lakhs of rupees for minor new works had been sent up for sanction has not been accounted for in any way. And the Chief Engineer for Irrigation will be so good as to examine into and report in detail respecting the causes to which it is to be attributed. Colonel Mullins' inquiries will have special reference to the nature of the agency employed by Range Officers and Overseers. Whether they can readily obtain the co-operation of the villagers; whether they are altogether in the hands of contractors, or whether departmental agency is vigorously availed of for execution of work. All these are points on which the Government would desire report, as giving a clue to the condition of the Public Works Department in the rural portion of the Chingleput District. It is evidently of no use to prepare hundreds of estimates when no effort is made to utilize the sums that are annually made available; and, with a view to the better disposal of the money annually allotted for Minor New Works Agricultural, His Excellency the Governor in Council is pleased to order that the same system shall hold good with reference to it as has been introduced by G. O., No. 2,972, of 16th December 1872,

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12th April 1873.*

with reference to the allotments for Agricultural Repairs, namely, the retention of the bulk of the grant at the disposal of the Chief Engineer for Irrigation on demand from the districts, the original allotment to each of which, on the 1st April 1873, shall not exceed Rupees 1,000.

(True Extract.)

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

To District Engineers.
To the Controller of Public Works Accounts.
.. Board of Revenue.
.. Revenue Department
.. Chief Engineer for Irrigation.

P. 110
53
Note by the Chief Engineer for Irrigation

The list transmitted with the Proceedings of the Board of Revenue, P. 64, dated 17th January 1873 contains 16 works exceeding the limit within which the District Engineer has the power of sanctioning minor new works Agricultural, and the plans & estimates, of such of these works as it may be deemed desirable to carry out, should be transmitted to this office for examination.

2. If all the minor new works included in the list are required, it will manifestly take many years before the wants of the irrigation works in the Chingleput District in this respect can be supplied, but this is the greater reason why steadily progress should be made year by year. In the current year up to the 31st December not a single work appears to have been undertaken, and it is useless to talk of the insufficiency of the allotments.

ments, if the latter are not
utilized.

3. The provisions of surplus wa-
ters for all except isolated tanks,
which in this District are compa-
ratively few in number, must be
considered in connection with the
circumstances of all the tanks
on the same main catchment
basin. The way in which irrigation
works are to be grouped has al-
ready been pointed out in full de-
tail in the Report dated

and the District Engineer and his
junior officers should set to work
to ascertain the requirements
of each group of tanks, and
proceed to estimate for each
sub-group or no other words for
each minor catchment basin,
and then arrange to construct
the surplus weir of all the
tanks in such minor basin
simultaneously or in due season.

4. Weirs can be constructed as
fast as funds and proper super-
visions can be provided. Care must
be taken not to allow a
greater

greater number of such works
than the area and circumstances
of the cultivation under each tank
really renders necessary. The villagers
have been in the habit in some
Districts of making numerous cuts
in the bunds of tanks, and often
such cuts have been many times
as numerous as they need have
been. No sluice should therefore be
sanctioned for construction until
the Range officer has himself
inspected the tank, ascertained
its necessity and selected the site,
and every estimate for such a
work should exhibit at the top
the area of irrigation, the num-
ber of existing sluices, and the
number considered requisite to
provide fully for the wants &
convenience of the lands under the
tank. In the course of 2 or 3 years,
every tank should be inspected by
the Range officers, and a large
number of them by the District
Engineer; and, if proper care
be

no be taken in making them
it may be needed to make them
3. in all respects efficient and the
order in which the several de-
partments of work should be carried
out, there will not be the slightest
difficulty in making use
of the repairs & minor new works
funds to the best advantage or
in instructing the subordinate
establishment as to what im-
provements, which the Range officer
may himself be unable to pre-
pare, are to be made out.

5. Attention has already been
called in the circular as per
margin to the need of a careful
prearrangement of the work to
be undertaken each season, and
a report of the work done, as
compared with the schemes laid
out, is required to be submitted at
the close of each year. It is clear
4. that of course that Range officers
should become intimately acquaint-
ed with their charges and Dis-
trict Engineers with their Districts
otherwise the systematic treatment
not

X 22 22
23 23
24 24
25 25

not only of irrigation, but of all kinds
of works will be impossible. It is
to be hoped therefore that transfers will
be discouraged, and that, when chan-
ges are unavoidable, the relieving
officers will be required to take
over charge in such a manner as
will ensure his acquaintance with
all the works in progress or proposed.
This arrangement was in force some
years back, but of late years there
have been many instances of officers
leaving their Ranges before the ar-
rival, or even nomination, of a suc-
cessor, and such a course is fatal
to efficient management.

6. Seeing the apparently pressing
need for a very considerable expendi-
ture on minor new works Agricul-
tural in the Chingleput District I
shall be prepared, as soon as I am
convinced that works to be immediately
by irrigation have been selected &
designed by competent officers, to re-
commend that funds to double or
triple the usual annual allot-
ment for this purpose, shall be
made available. Additional grants
may this year be provided by transfers
from

from repair funds, and in future years
it will be well to increase the re-
serve under Agricultural to such
an extent as the well considered de-
mands of District Engineers may
indicate to be necessary. I have
for some years past strongly ad-
vocated the efficient management
of existing works, in preference to
the construction of new works, and
I believe I am alone in this, I
think, in favour of this course
being steadily pursued. If establish-
ments are unequal to do all
that may be desirable, they should
understand that their first duty
is to put, and maintain, in
good working order every existing
Public Work, at any rate to the
full extent that funds can be
made available.

Voluntarily

Katapanoor.

22nd February 1873 Chief Engineer for Irrigation

The Secretary to Govt P. & D.

5.6

No 1093

১৯৪৬ সালের ১২ নভেম্বর

2. Wages paid

100-37353-25

This Excellency the Governor in Council regrets to learn from the Chief Eng^r for Irrigation that an outlay whatever had been effected on the Minor New Works of the Chingleput Dist^t during the first 9 months of 1872-73. And it has since been reported by the Dist^t Eng^r that he surrenders Rs 2000 out of the allotment of Rs 5000 for Minor New Works Agricultural - This



✓

Sept 18th 1873. The first time
I have spent the whole
of the afternoon in
the singing machine
migration.

Water 22 3/4
 Ground 27 1/2
 Ice 2 1/2
 22 3/4 - 27 1/2
 22 3/4 - 27 1/2

110

Erasmus

Board of Revenue etc.
in many cases from the
collection of Chinese
duties from a list
of Agricultural and
Manufacture

Ad 1093.12. 27. 173.

John

1227/3.2.58

24/10/1921
This entire inaction
in a District in
which Estimates to the
amount of nearly 1½
Lakhs of Rupees
for minor works
had been sent up for
sanction has not been
accounted for in any way -

And the Chief Engineer
for Irrigation will be
so good as to examine
into and report in detail respecting
the causes [which] have
led to such a paralysis
of the P & Dept in the
matter in question

And he will enquire
into the sufficiency of
the arrangements in

the to deal
it is the attribute

omit

Mr Mullins enquires
will have —

contemplation to improve
the system, referred to
in the Collector's letter to
the Revenue Board -

Further orders of Govt
at general instructions of
the Chief Eng. for Irriga-
tion are evidently not
what are wanted just
now. But a personal
inquiring into the working
of the Executive in the
Chingleput District;
with special reference
to the nature of the
Agency employed by
Range Officers and
Overseers. Whether
they can readily
obtain the cooperation
of the Villagers; whether
they are altogether in
the hands of Contractors

or whether Departmental
Agency is vigorously
availed of for execution
of work. All these are
points on which the Govt.
would desire to be kept
informed.

As regards the
condition of the Dept.
in the rural portion
of the Chiefly District.

It is evidently of no
use to prepare hundreds
of Estimates when no
effort is made to utilize
the sums that are annually
made available and
with a view to the better
disposal of the money
annually allotted for
Agricultural Works.

It is evident that the
Govt. is not making
adequate provision for
the rural portion of the
Chiefly District.

It is evident that the
Govt. is not making
adequate provision for
the rural portion of the
Chiefly District.

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Govt. is not making
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Chiefly District.

It is evident that the
Govt. is not making
adequate provision for
the rural portion of the
Chiefly District.

Excellency the Governor
in Council is pleased
to order that the same
system shall hold
good with reference to
it as has been ^{introduced} made
by G.O. No. 2772 of 16th
Decr. 1872 with reference
to the allotments for Agri-
cultural Repairs, viz
the retention of the bulk
of the grant at the dis-
posal of the Chief Insp.
for Disposition on demand
from the Districts, the
original allotment to
each of which on the
1st April 1873 shall not
exceed Rs. 1000

For the Dy. Insp. ✓
- Controller ✓
- Ch. Insp. for Dist. ✓
- Dy. Insp. ✓
- Rev. Insp. ✓
- Rev. Insp. ✓

Decr. 15-11-73.

W. W.

1/05/373 + 501

Govt. of (1873) Madras.

PUBLIC WORKS.

To District Engineers

Date

Recd.

Encl. 2

G. O. 12 April 1873. No. 1093.

Nos. 717 C.M.

Agricultural Engineer
near Works in the

Coast District. Taking

orders on papers relating

to the small outlay on

agricultural works

May 1872/73.

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Public works

DEPARTMENT

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