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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	920	Press
		~~Mis.~~
1-3		
Dated	1-4	1876.

Not to be folded or roughly handled

No. 1. Read the following Proceedings of the Board of Revenue, dated 11th February 1870, No. 994.

Read the following :—

From J. A. C. BOSWELL, Esq., Officiating Collector of the Kistna District, to the Acting Secretary to the Board of Revenue, dated Krosur, 13th December 1869, No. 376 :—

I HAVE the honour to forward herewith copy of a letter from the Executive Engineer in charge of the 7th Range. I have on one or two occasions brought forward proposals for the construction of small channels which would be most remunerative in the returns, and which could be executed at a very small cost. The Superintending Engineer is, however, of opinion that Government will not consider any channels separately; but that whole projects must be submitted in their entirety, and that, therefore, these most remunerative works, for which the people are constantly petitioning, must be indefinitely postponed.

2. I lately had a petition from ryots in the Repalli Talook offering to take up 4,000 acres of land at once if a channel were dug. The Superintending Engineer declined taking any action as it was part of the west bank channel scheme.

3. In the present case certain ryots in the Guduvada Talook have taken up above 1,000 acres of land for next fusly in the expectation of a channel being dug to irrigate the land. The Executive Engineer replies that the survey has been made, the levels taken, the course marked out on the ground, and the plans and estimates could be ready for submission to Government in a month or less, and the channel completed in time for next season's planting, but this channel unfortunately is part of the Kykalur project.

4. I respectfully beg to submit whether there may not be some exceptions made to a general rule of this kind where there is likely to be a large advantage gained, and trust the Board will submit the matter for the consideration of Government.

ENCLOSURE No. 1.

From the Executive Engineer in charge of 7th or Masulipatam Range, to the Officiating Collector of the Kistna District, dated 8th December 1869, No. 507.

I HAVE the honour to acknowledge the receipt of your letter, No. 351, of the 20th ultimo, with some documents, viz., an arzi with its enclosures, which are all herewith returned.

2. I beg to state that the irrigation channel referred to is the proposed extension of the Kykalur Channel from Atapaca to Oopootar, a length of about twelve miles.

3. The survey for this channel has been already made and the necessary levels taken, and its course is even nicked out on the ground; the necessary plans, sections, estimates, etc., could be ready for submission to Government in a month or less, and the channel completed in time for next season's planting.

4. This channel forms a part of what is called the Kykalur project, and I have been informed by the Superintending Engineer that Government will not consider the channels separately, that

returns 7

*Proceedings of the Madras Government, Public Works Department,
1st April 1870.*

the whole project must be submitted in its entirety; perhaps it is not for me to question such policy, but it appears to me that, when Government have in their employ Engineers on whose judgment they can rely, channels might be taken up separately, where it is obvious, as in the present case, that the route admits of no change for the better.

5. Deferring the construction of channels in a country like the Kykalur District until the whole scheme is perfected, seems to my mind simply deferring the receipt of most profitable revenue, besides causing great disappointment and loss to the people.

6. When irrigation channels are in connection with main supply channels, they form separate and distinct works and are in no way dependent one on the other.

(True Copy.)

(Signed) J. A. C. LOSWELL,
Collecting Collector.

SUBMITTED to Government for their favourable consideration.

2. It seems most unreasonable that technical objections should be allowed to prevent the spread of irrigation in those parts of the Kistna Delta where it is eagerly sought by the people and where its success is certain.

3. The last-named project in Mr. Boswell's letter will carry water along a tract of semi-salt sandy land which yields but poor returns without water, but which has elsewhere been proved to produce magnificent crops under irrigation.

TRANSFERRED to the Public Works Department.
FORT SAINT GEORGE,
24th February 1870.

(Signed) R. A. DALYELL,
Acting Secretary to Government.

No. 2.

No. 51.

NOTE by the Acting Chief Engineer for Irrigation.

THE extension and improvement of the system of irrigation in the Kistna Delta are being carried out from Loan Funds, and the Government of India, in sanctioning certain parts of the scheme of improvement, pointed out the course to be adopted for the future in a letter which was communicated to Revenue Department in Proceedings, Madras Government, of the 27th November 1867, No. 3,684. From that letter it will be seen that the objection to sanctioning detached portions of the extensions separately is by no means, as supposed by the Board of Revenue, a technical one. The rule laid down by the Government of India, though no doubt apparently attended with inconvenience when it is desired to irrigate at once some particular area of land, is really a very necessary one. To take the present example, the proposed extension of the Kykalur Channel from Atapaca to Oopootar must be carried out in connection with the improvement and enlargement of the upper canals, otherwise it may be found that there would be no water for the extension. It is quite a mistake, therefore, to suppose that all that is necessary to obtain certain desired results is to cut branch channels where needed. The enlargement of the main canal has gone on more slowly, I think, than should have been

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1st April 1870.*

the case; but at the same time it is difficult to make very rapid progress, because for the greater part of the year the channel is in use and the water cannot be shut off or materially diminished without injury to the existing cultivation. During the short time the canals are dry, the greater part of the available labour has to be employed on the annual clearances, and consequently but little is to be had for the widening of the main canal.

2. The Government of India have shown every readiness to give their sanction to particular works, in anticipation of the completion of the estimates for an entire and complete project, whenever good and sufficient cause for a departure from the ordinary and proper course has been adduced. I would, therefore, suggest that in this case the Superintending Engineer should be called upon to report—

1st.—What the available supply in the present state of the main canal is, how it is distributed, and whether there is any surplus available for new branch channels.

2ndly.—It should be clearly explained whether the channels above the Kykalur extension are capable of carrying a supply for such extension.

3rdly.—Whether the drainage arrangements are such as to admit of the area intended to be supplied being cultivated efficiently.

If these points can be satisfactorily answered, the Government may think it advisable to make a special application to the Government of India for sanction for the immediate execution of the extension desired.

3. The Superintending Engineer should also report in what state the estimates for the whole delta now are, what further work has to be done before they will be ready for submission to Government, and how long it will take to complete them.

4. The Revenue statements should show clearly the probable returns from the supply of water for irrigation to the lands under the Kykalur extension, and the details upon which such estimated returns may be based.

(Signed) J. MULLINS, Major, R. E.,
FORT ST. GEORGE,
3rd March 1870.
Acting Chief Engineer for Irrigation.

ORDER THEREON, 1st April 1870, No. 920.

No. 3.

IRRIGATION, No. 1.

HIS Excellency the Governor in Council concurs with the Acting Chief Engineer for Irrigation in the views expressed in paragraph 1, and, as the Government of India will require fuller information than is furnished in these papers of the advantages which are likely to result from the proposed extension of the Kykalur Channel from Atapaca to the Oopootar being carried out in anticipation of the preparation of the complete project for the improvement of irrigation in the Kistna Delta, the Government request the Superintending Engineer to submit, with the requisite statements of revenue, the fullest explanations on each of the several points indicated in paragraphs 2 to 4 of Major Mullins' note. On receipt of the Superintending Engineer's report His

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1st April 1870.*

Excellency in Council will be prepared to consider whether the project is sufficiently promising to warrant a special application being made to the Government of India for permission to undertake it as a separate and distinct work.
(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, 2nd Division
„ Revenue Department.

Exd. A. S. Rodgers.

N^o 34

Departmental Memorandum

Transferred from the

*In transferring the
annexed paper to the
Secretary in the D. P. W.*

*In disposal the under
signed Rep^d to the Govt.*

*That inasmuch as the
rule referred to, has
had the effect, in the*

*instances quoted, of
losing an addition to
the revenue of Rs 20,000**

+ the dry rate on the lands
in question, it may be*

*advisable to consider
whether it should not*

*be so modified as
to permit definite*

portions of a scheme

water rate on 5000 acres

*probably amounting to
(pay) Rs 7500.*

of Insaturation. The Government has

taken up with respect

of security. In

Admiral

Atkins

For George

24 Feb 1870

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Revenue, a technical one. The rule laid down by
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Note by the Acting Chief Engineer for Irrigation

The extension and improvement of the system of Irrigation in the Krishna Delta are being carried out from Loan Funds, and the Government of India, in sanctioning certain parts of the scheme of improvement, pointed out the course to be adopted for the future in a letter which was communicated to Revenue Department in Proceedings Madras Government of the 27th November 1867, No. 3684. From that letter it will be seen that the objection to sanctioning detached portions of the extensions separately is by no means, as supposed by the Board of Revenue, a technical one. The rule laid down by the Government of India, though no doubt apparently attended with inconvenience when it is desired to irrigate at once some particular area of land, is really a very necessary one. To take the present example, the proposed extension of the Hykalur Channel from Atapaca to Opostar must be carried out in connection with the improvement

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Jenny
Jenny Secretary to Geo.
Wright

Letter to Edward
1890

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June 1/27 9 11/28
San Jose Mex 1307
Re: at 994 of 11 Feb 90 pub-
milling & after your collector
states that bringing to notice
refusal of C. N. S. to take any
steps for construction of channel
to irrigate certain lands in
Quindaro & Tolero, taken up
by S. J. S. for cultivation on
ground that the water from
portion of hydraulic project not
yet sanctioned.

improvement and enlargement of the upper Canals, otherwise it may be found that there would be no water for the extension. It is quite a mistake therefore to suppose that all that is necessary to obtain certain desired results is to cut branch channels where needed. The enlargement of the Main Canal has gone on more slowly, I think, than should have been the case, but at the same time it is difficult to make very rapid progress, because for the greater part of the year the channel is in use & the water cannot be shut off or materially diminished, without injury to the existing cultivation. During the short time the canals are dry, the greater part of the available labour has to be employed on the annual clearances, and consequently but little is to be had for the widening of the main canal.

2. The Government of India have shown every readiness to give their sanction to particular works, in anticipation of the completion of the estimates for an entire and complete project, whenever

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whenever good and sufficient cause for a departure from the ordinary and proper course has been ascertained. I would therefore suggest that in this case the Superintending Engineer should be called upon to report

1st what the available supply in the present state of the main canal is; how it is distributed, and whether there is any surplus available for new branch channels;

2nd it should be clearly explained whether the channels along the Hyderabad extension are capable of carrying a supply for such extension;

3rd whether the drainage arrangements are such as to admit of the area intended to be supplied being cultivated efficiently.

If these points can be satisfactorily answered the Government may think it advisable to make a special application to the Government of India for sanction for the immediate execution of the extension proposed.

3. The Superintending Engineer should also

also report in what state the estimates for the whole Delta now are, what further work has to be done before they will be ready for submission to Government, and how long it will take to complete them.

4. The Revenue Statements should show clearly the probable returns from the supply of water for irrigation to the lands under the Kypkalar extension, and the details upon which such estimates returns may be based.

Fort St George
5 March 1870
To

Colonel Mullins
Major R.
Acting Chief Engineer for Irrigation

The Secretary to Government
P. W. P.

P. W. Dept.
No. 920.
Proceedings of the Madras Government
Under date the 1st April 1870
Read the following.
Dept. - P. W. E. No. 31, Dated 24 February 1870
at. (M. L. No. 51 of 5 March 1870)

His Excellency the Governor in Council concurs with the Acting Chief Engineer for Irrigation in the views expressed in Para 1, and as the Government of India will require fuller information than is furnished in these papers of the advantages which are likely to result from the proposed extension of the Kypkalar channel from Akapaca

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C. 12 March 1870
D. S.

also report in what it is

1870
From Govt. of India
(5) The Acting Chief
Engineer for Irrigation

To The Secretary to
Government P.W.D.
No 920. 1st April 1870.
Dated 3rd
Recd 7th } March 1870
No 51

Note on Proceedings of the Board
of Revenue submitting letter
from the Collector of Kistna
concerning to notice refusal of
P.W.D. to take steps for the
construction of certain chan-
nel in Gudjibada Taluk on
ground that this work forms
portion of the Kypaloo project
not yet sanctioned.

P.W. Dept. 15

No 920.

Proceedings of the Madras Government

Under date the 1st

Read the following

From the ~~Secretary to Govt. of India~~ P.W. Dept. - (H.E. No 314 Dated 24th February 1870)
From the ~~Chief Eng.~~ Chief Eng.
for Irrigation. (H.E. No 51 of 2 March 1870)

His Excellency the
Governor in Council con-
sulted with the Acting Chief Engineer
for Irrigation in the memo-
randa in Para 1, and as
the Government of India
will require fuller infor-
mation than is furnished in
these papers of the advan-
tages which are likely to
result from the proposed
extension of the Kypaloo
channel from Akapaca

N.B.
A.A.
J.D.S.

24.4.70

to

Gregg
11/17/77

.PUBLIC WORKS.

*The Chief Engineer
for Irrigation*

Nov 2

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G. O. 1st April 1870 No. 920

Nos. 123

Further No. 1569 Sep. 2. 17

Tyhalum channel The Lords of Europe
of the 20thth requested to explain
the advantages which are likely
to result from the proposed ex-
-tension of the Tyhalum channel
from Akatapa to the Copool
being carried out in anticipation
of the preparation of the complete
project for the improvement
of rivers in the Tustia Delta.

p. 12. March 1870 A. 284

Cre 9/11/77
Sect. of 1870: 311 Adms.

PUBLIC WORKS.

The Chief Engineer
for Irrigation

Direct

Send.

G. O. 1st April 1870 No. 920

No. 143

Further No. 1369 of 17-2-77

Tyhalum channel The duty of the
of the 2nd Div. requested to explain
the advantages which are likely
to result from the proposed ex-
tension of the Tyhalum channel
from Akotasa to the Copool
being carried out in anticipation
of the preparation of the complete
project for the improvement
of rivers in the Tuckia delta.

to be carried out in anticipation of the preparations of the complete project for the improvement of irrigation in the Kachua Delta, the Govt. request the Supf. Engineer to submit, with the requisite statements of revenue, the fullest explanations on each of the several points indicated in Paras 2 to 4 of Major Mullins' note. On receipt of the Supf. Engineer's report His Excellency in Council will be prepared to consider

whether

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Page 24.
Whether the project is sufficiently promising to warrant a special application being made to the Govt. of India for permission to undertake it as a separate and distinct work.

At

Ch: Engineer & Magistrate ✓
S. Engineer 2^d Div ✓
Rev Secy ✓

Decr 24/4/70

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10 March 1870 A. 2511

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