M.R.O. 1—77,006—8-6-37.

(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. 220 Press Mis.

430-32

Dated 24. 1 1872.

Not to be folded or roughly handled

Read the following papers :—

No. 430. From the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 20th September 1871, No. 1,913.

I HAVE the honour to forward a design and estimate, amounting to Rupees 2,203, for rebuilding the Ventoor calingulah on the Ingeram canal in the Eastern Delta.

1 Plan.
1 Estimate.
1 Specification.

2. In sending up the completion project for this delta I included an estimate for this work, as I was far from satisfied with the condition of the old one. This was disallowed by the Chief Engineer in his memorandum, paragraph 16, printed with G. O. of the 28th September 1870, No. 2,335. In August last the old work gave way altogether, and I now beg to re-submit the papers for the new design for re-consideration and orders.

3. I am, I regret to say, far from clear as to how far it is advisable to retain many of these old works. In the Resolution of the Government of India, paragraph 12, printed with G. O. of the 15th October 1867, No. 3,189, all works for which Loan Funds are to be allotted require to be made of the most permanent solid construction, and Rule III., printed in the same order, lays down the same conditions. The Godavery anicut works have been transferred to these funds, and can well afford to pay for substantial good works; it is, of course, economical to retain any old works as long as it is possible to do so, and it will take some years to build the new ones even if sanctioned; but, as a general rule, I think the spirit of the Government Order requires that all kutcha works should be replaced by proper permanent buildings, and on this point I should be obliged by your favouring me with further instructions. I beg to add that I do not propose any alterations in the general design as approved of by the Chief Engineer, but merely wish to be informed how far it is allowable to retain many of the old works when the funds to which these are debitable are allotted on the supposition that only works of the most permanent character are to be constructed out of them.

No. 4.

No. 431. *Note by the Acting Chief Engineer for Irrigation.*

WITH his letter No. 1,913 of 20th September, the Superintending Engineer submits an estimate of Rupees 2,203 for rebuilding the Ventoor calingulah in the Ingeram canal in the Eastern Delta of the Godavery, the old work for altering which Rupees 400 were provided in the estimate, for the Eastern Delta works having been destroyed in August last.

Letter of Superintending Engineer, 1st Division, No. 1,913, dated 20th September 1871, with one plan, one estimate, and one specification.

2. The design of the work, as originally submitted, has been modified, and the estimate now forwarded amounts to Rupees 2,203.

3. The Superintending Engineer inquires whether the old roughly built works in the delta, such as the Ventoor calingulah, should be retained, or whether they should be superseded by permanently constructed works. It is probable that

many of the old roughly built works, if maintained, will cost more in maintaining them than the interest on the sum required to replace them added to the cost of maintaining the permanent works; when this is the case it would be well to replace the old works, but if works of this character are numerous, it will only retard the completion of the delta project if they are replaced at once; those works, therefore, which are in good order and can be maintained at a small cost, should not be restored at present.

4. The Superintending Engineer should report the number of the old works that may have to be restored, and the probable cost of restoring them; and, in submitting new designs for any of the works, he should submit plans of the old works with levels marked upon them, and should explain fully the duty each work has to perform, *i.e.*, the area of the basin, the drainage of which it may have to discharge or the area it may have to supply, as it may be necessary to modify some of the designs.

5. The high-water marks above and below all the works should also be indicated, and the level of the channel-bed below the work at a distance of 100 yards below it. Sections of the channel in the bank of which the work is placed and of the channel to be supplied or into which the surplus discharged is to pass should also be given, and the fall of the bed of each channel should be noted.

FORT SAINT GEORGE,
6th January 1872.

(Signed) A. deC. SCOTT, Captain, R.E.,
For *Acting Chief Engineer for Irrigation.*

No. 432. ORDER THEREON, 24th January 1872, No. 220.

IRRIGATION, No. 39.

THE Government sanction the estimate of Rupees 2,203 for rebuilding the Ventoor calingulah in the Ingeram channel. The amount being small compared with the estimate for the improvement of the Eastern Delta may probably be met from savings on other works. If necessary, an allotment for the work will be obtained when it has been ascertained what other old works must be re-constructed.

The construction of new works in the place of the old roughly built structures should be undertaken gradually on the principle suggested by the Acting Chief Engineer for Irrigation, and special attention should be paid to his remarks relative to the information which should be furnished when estimates for new works are submitted.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.
" Chief Engineer for Irrigation.
" Controller of Public Works Accounts.
" Revenue Department.

Ed. E. C. Shunker.

No Note by the [illegible]

SUPERINTENDING ENGINEER'S OFFICE, 1st DIVISION.
DOWLAISHWARUM, 20th September 187[illegible]

No. 1913

From

Major J. T. Boileau R.E.
Acting Superintending Engineer
1st Division

To

Colonel J. Carpenter R.E.,
Secretary to Government D. P. W.
MADRAS

SIR,

I have the honor to forward a design and Estimate amounting to Rs. 2203 for rebuilding the Ventoor Calingalah on the Ingeram Canal in the Eastern Delta.

2. In sending up the Completion project for this Delta, I included an Estimate for this work, as I was far from satisfied with the condition of the old one, this was disallowed by the Chief Engineer in his Memo para 16 printed with G.O. of the 28th September 1871 No 2335, in Irrigation Cost, the old work gave way altogether, and I now beg to resubmit the papers for the new design for reconsideration and orders.

3 I am sorry to say far from clear as to how far it is advisable to retain many of these old works, in the Resolution of the Government, Revenue para 12 printed with G.O. of the 15th October 1867 No 3189, all works [illegible]

for which Loan funds are to be collected require to be made of the most permanent Public Construction, and Rule III printed in the same order lays down the same conditions. As Public works have been transferred to these funds, and can well afford to pay for substantial good works; it is of course economical to retain any old works as long as it is possible to do so, and it will take some years to build the new ones even if sanctioned but as a general rule, I think the spirit of the Government order requires that all Public works should be replaced by proper permanent buildings, and on this point, I should be obliged by your favoring me with further instructions. I beg to add that I do not propose any alterations in the general design as approved of by the Chief Engineer, but merely wish to be informed, how far it is allowable to retain many of the old works to which the funds to which these are debitable, are liable on the supposition that only works of the most permanent character are to be constructed out of them.

I have the honor to be
Sir
Your most obedient servant
W. Tucker Capt RE
Offg Chief Engineer Madras

No 4.

Note by the Offg Chief Engineer for Irrigation.

With his Letter No 1913 of 20th September to the Superintending Engineer of Rajpore Ventoor Canal

S. 3.

the proposed alterations as provided for Eastern works should be superseded by permanently constructed works. It is probable that many of the old roughly built works if maintained will cost

for which Loan funds are to be allotted regime
to be made for the most permanent works
=structions, and Rule III printed in the Manu
Orders lays down the same conditions, to Secretary
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years to bui
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the Government
works should
buildings, a
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instructions
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funds to
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out of them

Rc 15 October/72 Rl 25t. 72
" 28 Sept/72 - 159-465

No 371 Right
Case 742
From 1st Sept 1872 to 30th Sept 1872
The Actg Supt Engineer
1st Division
To The Secretary to Government
P. W. Dept
Madras

Dated 20th September 1872
Rec'd 27th
No 1913
Encls: Three
Forwards for sanction of Government Plan &c a Estimate amounting to Rs 2203 for rebuilding the Vinlour Calingulah on the Injeram Canal in the Eastern Delta and requests instructions as to how far it is advisable to retain the old works.

No C. W. 1097/72 Dated 24 Oct/72

No 420
Rec'd 10 Dec/72 Ans 12

Sir,
Your most Obt Servant
Whitehouse Major RE
Actg Supt Engineer, 1st Division

No 4.

Note by the Actg Chief Engineer for Irrigation.

No 4.

Ref Sup. 1872 13-20 Sept 1872

Date Specification

With his Letter No 1913 of 20th September the Superintending Engineer submits an estimate of Rupees 2,203 for rebuilding the Vinlour Calingulah on the Injeram Canal in the Eastern Delta of the Godavery. The old work for altering which Rupees 400 were provided in the estimate for the Eastern Delta works having been destroyed in August last.

2. The design of the work as originally submitted has been modified & the estimate now forwarded amounts to Rupees 2203.

3. The Superintending Engineer enquires whether the old roughly built works in the Delta such as the Vinlour Calingula should be retained or whether they should be superseded by permanently constructed works. It is probable that many of the old roughly built works if maintained will cost

cost more in maintaining them than the interest on the sum required to replace them added to the cost of maintaining the permanent works when this is the case it would be well to replace the old works but if works of this character are numerous it will only retard the completion of the Delta projects they are replaced at once those works therefore which are in good order & can be maintained at a small cost should not be restored at present.

4 The Superintending Engineer should report the number of the old works that may have to be restored and the probable cost of restoring them and in submitting such designs for any of the works he should submit plans of the old works with levels marked upon them and should explain fully the duty each work has to perform i.e. the area of the basin the drainage of which it may have to discharge or the area it may have to supply as it may be necessary to modify some of the designs

5 The H.W. marks above & below all the works should also be indicated and the level of the channel bed below the works at a distance of 100 yards below it sections of the channel in the vicinity of which the works are placed & of the channels to be supplied or into which the surplus discharge is to pass should also be given and the fall of the bed of each channel should be noted.

Lieut. Scott
Capt. R.E.

Fort St George
6th January 1872

for Actg Chief Engr for Irrigation
to
The Secretary to Govt P.W.D.

Compd Jc

Public Works Department

No 220 2203

Proceedings of the Hon'ble the Governor in Council

Read the following

From the Secy. Supdg Engr 19th Dec 1873 (Rec'd 12th 1873 forwarding Estimate for

From the Secy Public Works Engrs for Irrigation (Rec'd 15th & 16th January 1874

The Government

sanction the Estimate of

Rupees 2203 for rebuilding

the Venloot Caliingulah in

the Ingeram Channel.

The amount being small

compared with the Estimate

for the improvement of

the Eastern Delta may

probably be met from

savings on other works.

If necessary an allotment

for

Dr. 1873 Dec. 19th Supdg Engr Irrigation

No 109

Estimate for rebuilding

Venloot Caliingulah in

Ingeram Channel

To the Secretary to Govt

Public Works Dept

Calcutta

Sir

I have the honor to forward

herewith Estimate No 2203

for rebuilding the Venloot

Caliingulah in the Ingeram

Channel, the Estimate

has been framed by

Mr Ellis Executive Engr

Delta Circle Port Canning

No 2203 24 Dec 1873

B10 Jany 74

No 4431

for the work will be obtained when it has been ascertained what other old works must be re-constructed.

The construction of new works in the place of the old roughly built structures should be undertaken gradually on the principle suggested by the Acting Chief Engineer for Irrigation and special attention should be paid to his remarks relative to the information which should be furnished when Estimates for new works are submitted.

Signed

To the Superintending Engineer [illegible]
" Ch. Engineer for Irrigation
" Controller
" Rev. Secretary

Dated 25/1/12

for the work will be obtained

Nos 109 & 457 / 72

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Superintending Engr.
1st. Division

Date

Recd. Encl. 1/-

G. O 24th Jany 72, No. 220.

Nos. 430 & 432

Vedaranyam Tank Sluice

Rs 2203 for rebuilding the Vedaranyam Calingulah in the Tygeram Channel, Kadaicoy, Sanctioned with remarks.

Dec 25/72

for the work will be obtained when it has been ascertained what other old works must be re-constructed.

The construction of new works in the place of the old roughly built structures should be undertaken gradually on the principle suggested by the Acting Chief Engineer for Irrigation and special attention should be paid to his remarks relative to the information which should be furnished when Estimates for new works are submitted.

Sd/ H. Cotes

Sd/ W. Elliot

Offce 109 & 45/73

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Superintending Engr. 1st. Division

Dated

Read. Encl. 1/-

G. O 24 Irrig. No. 220.

Nos. 4170 & 4172

Venkoor Valingalah. Rect. of

R. 2203 For rebuilding the Venkoor Valingalah in the Tyeroor Channel, Godavery, sanctioned with remarks.

Rec'd 25/1/72