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Revenue DEPARTMENT

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Dated	26. 1. 1872	195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th January 1872.*

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 23th 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 kutchra 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.

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 permanent constructed works. It is probable that

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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.

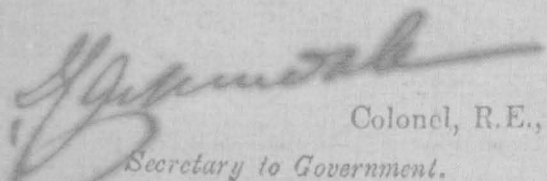
IRRIGATION, No. 39.

THE Government sanction the estimate of Rupees 2,203 for rebuilding the Ventoore 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.

Eid. E. C. Shunker.

20/Jan/72

Recd. a 26th. Encl.

JANUARY.

W. 159.
G. 159.

20 May 1772