

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 2947

Press
~~Mis.~~

195-196

Dated 10 — 12 — 19-1867

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
10th December 1867.*

No. 195. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Passing orders on letter from Government of
India requesting further information regard- } (Here enter 7th December 1867, No. 3,808.)
ing the subsidiary works of the Chembrum-
baukum tank in the Madras District.

No. 196. ORDER THEREON, 10th December 1867, No. 2,947.

Irrigation, No. 9.

Communicated to the Revenue Board.

(True Extract.)

(Signed) F. BRANDT,

Under Secretary to Government.

To the Board of Revenue, with Proceedings Public Works Department, No. 3,808.

Exd. S. T. Augustin.

No. 138. Read the following letter from the Secretary to the Government of India, Public Works Department, (Irrigation,) to the Secretary to the Government of Madras, in the Public Works Department, dated Simla, 25th October 1867, No. 162 I:—

1. I am directed to acknowledge receipt of your letter, No. 2,798, dated 11th September last, submitting an estimate, amounting to Rupees 3,55,435, for enlarging the Chembrumbaukum tank in the Madras District.

Three lakhs, fifty-five thousand, four hundred and thirty-five Rupees.

2. The works projected seem suitable, and call for no special comment, with one exception, which, however, is an important one. It is proposed to make the waste-weir 700 feet in length, or, under a contingency named, to extend it to 1,000 feet; but bearing in mind the serious catastrophe which the breach of such a tank would prove, the Governor General in Council is disposed to think that the length of the weir should, under any circumstances, be increased to 1,000 feet in order to render it perfectly secure from any risk of the water topping the bund in severe rain. An additional outlay of 5,000 or 6,000 Rupees, which is all that the extension seems likely to cost, would be of no practical moment in a financial point of view; and the money would be well laid out if it served to preclude all possible risk, such for instance as might arise from an accidental omission to cut off at the proper moment the supply of water thrown into the tank from the various sources intended to assist in filling it.

3. Further, the project does not appear to His Excellency in Council to be complete. The estimate apparently does not provide for certain works mentioned by the Executive Engineer, nor for other works, which, though hardly referred to by him, will almost certainly be required for such an extension of irrigation as is contemplated. These are, first, the re-arrangement of the supply-channels of the tank referred to by Mr. Fraser in paragraphs 14 to 26 of his Report, some of which he specially alludes to as essential. From the description of these works they are not likely to be very heavy or expensive, but they may possibly add a third or a fourth to the amount of the estimate. A supplementary estimate for these should be prepared and submitted; second, provision is not made for the irrigation channels which will probably be needed to carry the water to the new lands to which irrigation is to be extended. Some of these seem to be situated seven or eight miles from the tank; third, is an escape channel leading from the new waste-weir, which must, so far as can be judged, be opened out. It is observed that in the old tank the escape took place at six separate calingulaks. If necessary, estimates for these works should also be framed.

4. As to the first of these apparent omissions, it is true that allusion is made in your letter under reply to improvements about to be undertaken in some of the channels of supply. These improvements may possibly be profitable irrespective of the tank project; but how this may be, cannot be properly judged from the manner in which the matter is referred to, though, so far as an opinion can be formed, it would seem as though the expense should form a part of the project or discussion.

5. As regards the estimated returns from the work, I am directed to observe that, apart from the apparent omissions above noticed, no allowance is made for the cost of establishments for construction which will probably add not less than one-fourth to the whole expense; nor is the charge for maintenance or supervision reckoned as a set off against the income, though these charges cannot but be sensible in so large a work dependent on an extensive series of feeding channels. Allowing for the omissions, the entire cost of the work may perhaps be taken as more nearly approaching six lakhs, than three and a half lakhs. Also making an allowance for

loss by evaporation, &c., the additional area to be irrigated may be taken at 17,000* acres. If three and a quarter Rupees per acre be taken as the net revenue, after deducting the cost of maintenance, a total income of say 55,000 Rupees will be realized, giving about 9 per cent. on the capital invested.

6. Although the project might have been submitted in a more complete form, the Governor General in Council believes that it bears about it sufficient evidence of the proposed works being likely to be remunerative, and is not disposed to withhold his sanction from the estimate, subject, however, to the condition that the Government of Madras will ascertain what the additional outlay will be on account of the omitted works referred to above and satisfy itself that the cost will not be such as seriously to derange the calculations in the preceding paragraph.

7. The sanction above accorded has been registered as No. 8 I of 1867-68.

8. The plans are returned.

No. 139. ORDER THEREON, 7th December 1867, No. 3,808.

IRRIGATION, No. 9.

1. Communicated to the Superintending Engineer of the 4th Division, who will make arrangements for collecting the additional information regarding the subsidiary works of the Chembrumbaukum tank, which the Government of India consider necessary, to allow of an accurate computation being formed of the remunerative effect of the proposed enlargement of the tank.

2. The Government observe that the tank is directly connected with a channel leading from the anicut across the Cortilliar near Kasaveram; and that it is also in communication with the Palar through the Kumbum kal channel, which, when improved and enlarged, will year by year afford a more full and certain supply. Mr. Fraser in his report on the tank proposes to improve the supply from both sources, and he describes the nature of the works which he considers necessary. These are—

1. The rectification of the surplus channels from Streepermatur and Pelli-pakum tanks.
2. The improvement of the old Bungairoo channel.
3. The construction of sluices at the heads of channels leading to various tanks, which are supplied by the old Bungairoo.
4. Additions to Koratur dam and to the head sluice of the new Bungairoo, and enlargement of the channel.

3. The execution of the above works is being provided for by separate estimates: but as the Government of India require that they shall be taken into consideration as portions of the Chembrumbaukum project, Colonel Boileau will have the goodness to submit a report showing to what extent they will be efficacious in securing a proper supply to Chembrumbaukum tank when enlarged, together with plans and estimates for the whole of the works.

4. He will also report on the expediency of enlarging the proposed calingulah for the Chembrumbaukum tank as suggested by the Government of India, and the means available for disposing of surplus water. If necessary, an estimate may be prepared for a surplus channel.

5. The Government of India point out that no provision has been made for the excavation of channels for the conveyance of the water to the new land to which irrigation is to be extended. The Collector, in reporting on the probable increase of revenue, states that it is obvious that almost the entire area included between the Cooum and the Adyar which lies to the eastward of Chembrumbaukum, would be under the command of the water from the tank, and that the twenty-eight villages named by Mr. Fraser will of course be open to its influence, in addition to the fifty-eight villages now watered by it. The majority of the villages are therefore already in possession of distribution channels, and the Government conclude that any extension which may be required to bring the lands of the remaining villages under the influence of the tank, will be carried out by the cultivators. It is not customary for the Government to undertake the management of such channels, and it would not, in their opinion, be desirable in this instance to depart from the established custom.

(True Extract.)

R. E.

Lieut.-Colonel, R. E.,
Joint Secretary to Government.

To the Superintending Engineer, 4th Division.

- „ Accountant General.
- „ Controller of Public Works Accounts.
- „ Revenue Department.

W. Fraser Esq. C.E.

Exd. S. T. Augustin.

Received 1867. Oct 14
Brook Greenham Bee.
H. 33123.

Proceedings of the
Public Health Dept.

Notice of the
Meeting of 1867.
H. 3801.

12/19/5196

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The Board of
the Public Health Dept.
has decided to
send the
Board of the
Public Health Dept.
the Board of the
Public Health Dept.

Write Order
H. 2947, 10000

H. 2947

Submitted to the
Revised Board.

10000
1867

McPherson's Report with Dr. H. 2947, 10000