

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1855	Press ~~Mis~~
53-54 Dated	3-7-	19 1868

Not to be folded or roughly handled

01

*Proceedings of the Madras Government, Revenue Department,
3rd July 1868.*

No. 53. Read the following Proceedings of the Madras Government in the
Public Works Department :—

Passing orders on the report of the Chief Engi-
neer for Irrigation, regarding the Chembram- } (Here enter 30th June 1868, No. 2,072.)
baukum tank works.

No. 54. ORDER THEREON, 3rd July 1868, No. 1,855.

Irrigation, No. 2.

Communicated to the Revenue Board.

(True Extract.)

(Signed) H. SEWELL,
Acting Under Secretary to Government.

To the Board of Revenue, with Proceedings Public Works Department, No. 2,072.

Exd. S. T. Augustin.

2

*Proceedings of the Madras Government, Public Works Department,
30th June 1868.*

No. 706. Read the following letter from the Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 19th June 1868, No. 49 :—

1. With reference to G. O., No. 1,275, dated 27th April 1868, I have the honor to report having recently inspected the ground between the Chembrumbaukum and Nemum tanks, and between the latter and the Cooum, along which the Assistant Engineer in charge has proposed to introduce a supply into the Chembrumbaukum tank, on a level suitable for the enlargement allowed for in Mr. Fraser's Project. Mr. Lowry has also prepared a section of the ground to be traversed by the channel, and it appears from it that a very favorable line can be obtained through waste land for the conveyance of the supply from the Nemum tank. The length would be about 4 miles, and the depth of cutting, which is remarkably uniform, between 4 and 5 feet.

2. The channel would be taken from the southern calingulah of the Nemum tank on a high level, and, after crossing the high road to Bangalore, would drop into the present supply channel of the Chembrumbaukum tank at the full level allowed by Mr. Fraser's design where the soil is hard and rocky, and if a bund were then constructed on the up-stream side of the latter, the new supply would be retained within the proper limits of the tank. At present the surplus water from the Nemum tank falls into the supply channel. All surplus of the tank would be discharged by the proposed new channel, but the water from the paddy fields under it would still lodge in the basin or hollow through which the present supply channel runs, and which, after the latter is bunded, would have no outlet. A line of level has, therefore, been carried by Mr. Lowry in the direction of Poonamallee, and it appears from it that an artificial channel, 3 miles in length, 10 feet deep, and with a fall of 2 feet per mile, would bring the water to the surface. This was a most important point to determine, as without means of carrying off the surplus from the Nemum fields, and the drainage from local rain-fall, the plan of throwing a bund across the supply channel could not have been carried out.

3. It has also been ascertained that a channel, 2 miles from the Cooum to the supply channel of the Nemum tank, will suffice for the delivery of any water procurable from that source ; but, as the drainage from other sources with which the tank is fed is large, the latter channel would not have to be carried out until all other work shall have been completed.

* G. O., No. 3,808, dated 7th December 1867. 4. The Government of India,* in communicating sanction to the Chembrumbaukum Project, noted the necessity of incurring a considerably larger outlay than was contemplated, or at least estimated for in Mr. Fraser's Project. A great enlargement of the supply channel from the Cooum was one of the subsidiary works which would have been arranged for, had it not been for the discovery of the mistake reported† on a former occasion.

† G. O., 1,205, dated 21st April. The only difference now is that a new supply channel will have to be carried out on a higher level than the present one. This arrangement will doubtless necessitate extra expense, but it will have the advantage of allowing of the surplus of the Nemum tank fields being utilized, instead of as at present swamping some valuable lands, and it will also relieve the

Proceedings of the Madras Government, Public Works Department.
30th June 1868.

lands under that tank from submersion during high floods, by the surplus water (the principal source of supply to the Chembrumbaukum tank) from the calingulahs.

5. Having carefully taken the whole subject into consideration, and being satisfied with the accuracy of the information collected by Mr. Lowry, I have the honor to recommend that Government will authorize him to resume work at the Chembrumbaukum tank, in anticipation of the necessary plans and estimates for the additional works abovementioned meeting with their approval.

No. 707.

ORDER THEREON 30th June 1868, No. 2,072.

IRRIGATION, No. 39.

1. The Government are glad to learn that after full investigation it has been ascertained that it is practicable

to introduce the supply of water to the Chembrumbaukum tank in such a direction as will allow the water spread of that tank, when enlarged to the projected extent, being restrained within proper limits by a bund across the present supply channel, and that there is no longer any doubt either of the feasibility of enlarging the tank without danger of submerging a large area of cultivated land, or of obtaining for it a good supply of water either from the Coom through the Nenum tank, or by the surplus of the latter as at present fed.

2. The Government agree with the Chief Engineer for Irrigation that, under these circumstances, it is not advisable any longer to suspend the work of enlargement at the Chembrumbaukum tank, and His Excellency in Council accordingly directs that operations be at once resumed and vigorously proceeded with, in anticipation of the submission of the revised plans and estimates which are being prepared to carry out the project in a reliable and complete form.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Chief Engineer for Irrigation.

- „ Superintending Engineer, 4th Division.
- „ Controller of Public Works Accounts.
- „ Revenue Department.

Received 1868. A.M.H.
 No of 5008 on July
 17. 2264
 Proceeding of the
 Govt. of M. C. H.

Plated 30. June
 Received 1st July 1868
 No. 2072.

1868
 1855-53 July
 Passing on cars on the
 the 1st of the 1853
 for the 1853
 regarding the
 the 1853
 and work
 with the 1853

53-57
 1855-53

1855

1855

Term, to the
 Revenue Board:

3 July 1855

1855-53 July 1855