

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1251

Press
Mis.

Dated

6 - 5 - 18 1868

Not to be folded or roughly handled

17

*Proceedings of the Madras Government, Revenue Department,
6th May 1863.*

No. 140. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Passing orders on certain papers relative to)
the scheme for enlarging the Chembram- (Here enter 27th April 1863, No. 1,275.)
bakkam tank.

No. 141. ORDER THEREON, 6th May 1863, No. 1,251.

Irrigation, No. 5.

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. 1,275.

Exd. S. T. Augustin.

No. 487. Read the following Endorsement of the Superintending Engineer, 4th Division, dated Madras, 16th April 1868, No. 219 :—

Read the following letter from R. J. LOWRY, Esq., Acting Assistant Engineer, in charge of the Chembrambakkam Tank, to the Superintending Engineer, 4th Division, dated Camp at Chembrambakkam Tank, 9th April 1868, No. 61.

1. I have the honor to submit herewith a contour plan of the land between Trunk Road No. 1 and the Corattoor Anicut, showing the quantity of land that will be submerged when the water in the Chembrambakkam tank reaches the level of the crest of the proposed calingulah, and also a section of the ground, where a bund would be necessary, on the east side of the supply-channel, between the points marked A. and B. on the contour plan.

2. The space within the contour line measures 2,130 acres, of which about one-sixth is waste, leaving 1,770 acres to be paid for, which being Nunjah, irrigated by the "Namum tank," is perhaps as valuable land as any in this district; I am credibly informed that much of it is now mortgaged at Rupees 400 per cawny, and that I undervalue it at Rupees 200 per acre. There are also three large villages that would be flooded, as well as the bridge over the supply-channel, and nearly a mile of Trunk Road No. 1. The ground to the eastward of the supply-channel, between the points A. and B., being on the average $5\frac{1}{2}$ feet, and at the lowest point 12.44 feet lower than the level of the proposed calingulah, a bank 10,000 feet long would be necessary to prevent the water escaping either back into the Cooum or the Adyar river. The cost of compensation to the owners of this land, and the houses and trees, of which there are great numbers upon it, the construction of the bund and alterations to the Trunk Road No. 1 would not be in the aggregate less than five lacs of Rupees.

3. I regret that I have not been able to submit the contour plan in a more complete state, viz., with the other two contour lines required by Colonel Anderson shown upon it. The Surveyor employed in contouring this ground, who is a Draughtsman attached to the Special Executive Engineer's Office, Mount Range, being required by the Assistant Engineer in charge of that Range, I had to dispense with his services, and not having another man to whom the work could be entrusted, I judged that it would be wrong to delay this report until the survey could be completed, when the information already obtained makes it clear that either the present supply-channel must be given up, or the project itself abandoned, as lowering the calingulah level three or even six feet would still have so much property submerged, and a very considerable length of bund on the eastern side of the channel would be still required, while the value of the tank would be very much impaired.

4. I would beg to suggest that there is fortunately a simple and, comparatively, inexpensive way of obviating this difficulty, by giving up the present supply-channel and bunding it across below the bridge, where the ridge through which it is cut is high and the channel narrow, only requiring a bank of some 200 or 300 feet in length, and in its stead take the supply for the Chembrambakkam through the "Namum tank," removing, if it be found necessary, the material of the Corattoor anicut, to where the supply-channel of the Namum tank is taken off.

*Proceedings of the Madras Government, Public Works Department,
27th April 1868.*

widen and deepen the latter, and if necessary construct an anicut and head-sluice. But I am of opinion that the two latter works may be dispensed with; this is not, however, a very material point, and may be decided hereafter. I would then make the surplus channel of the Namum tank the feeder for the Chembrambakkam, raising and strengthening the bund of the former tank, and also its calingulah, if not already high enough, which I would say it is, judging from its position with reference to where the contour line is shown to touch below the bund at nearly its lowest point, as the crest of the calingulah must be some 10 feet above this, and consequently that much above the crest of the calingulah of the other tank. And as the length of the channel connecting the two tanks would only be required to be three miles (rather under than over) and 2 feet per mile sufficient fall, there would be 4 feet over, I would propose to carry this channel into the Chembrambakkam tank at a level 3 feet above the crest of its calingulah, and once within the bund (to be thrown across the present channel below the road) it might be dropt into the old channel by steps.

5. A drain would be necessary for the lands on both sides of the present channel, if the latter be closed, to carry off the surface water; this can be cut at a comparatively small cost, as the average cutting will not reach 5 feet; the line to be taken is one between the village of Proyambadoo and the Trunk Road, running in a south-easterly direction for a distance of about two miles, would empty itself into one of the irrigation channels under the Chembrambakkam tank.

6. I am of opinion that the whole cost of this arrangement need not exceed Rupees 1,20,000, divided as follows:—

Anicut and head-sluice with the help of the old materials from	Rs.
Corattoor dam	30,000
Channel and bridge over it where the Trunk Road crosses it ...	60,000
Drain from old supply-channel to below Chembrambakkam tank	20,000
Sundries and contingencies	10,000
Total ...	1,20,000

7. If the anicut and head-sluice can be dispensed with, the cost will be under a lac.

2 Plans.

Submitted to Government for information, in continuation of Superin-

tending Engineer's Endorsement No. 82, dated 3rd April 1868.

(Signed) A. J. M. BOILEAU, Colonel, R. E.,
Superintending Engineer, 4th Division.

No. 488. ORDER THEREON, 27th April 1868, No. 1,275.

IRRIGATION, No. 19.

1. The Government regret to learn that so great an extent of valuable land as well as several villages, will be submerged, and a large outlay on protective works rendered necessary if the scheme for enlarging the Chembrambakkam tank, as designed by Mr. Fraser, be carried

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out. They observe, however, that if the present supply-channel be closed so as to confine the water-spread of the tank in that direction, and the supply be taken from the Cooum at a point considerably higher than Corattoor and be carried through the Namum tank, the project may still, in the opinion of the Assistant Engineer in charge, be advantageously proceeded with. To enable the Government to arrive at a definitive decision upon this point, as well as on the advantages of the scheme generally, the Superintending Engineer will direct Mr. Lowry to complete detailed plans and estimates for the works he proposes, providing for the construction of an anicut at the head of the new supply channel without disturbing the present anicut at Corattoor, and will submit them with a revised estimate for the Chembrambakkam tank enlargement prepared on properly established data.

2. The reply to this reference should be submitted through the Chief Engineer for Irrigation in a complete form, and as early as possible, to admit of the speedy disposal of the subject.

(True Extract.)

Wm. A. M.

Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer, 4th Division, with two Plans.
,, Revenue Department.

Ed. S. T. Augustin

Received 1868 Oct 4th
No. of bonds for day
H. 1184.

Proceedings of the
Court. H. 1184.

Dated 27th Oct 1868
Received 14th May 1868
H. 1298

During our last one
certain papers
relating to the
revenue for enlarging
the Court building at the
Temple.

Shewell

With Order

27th 1257. 5 May

27th 1257.

Conrad & Co
St. Vincent, Barbados.

MK
6th May 1868

104 pages of the 20 pages in the 3rd and 10 pages in the 4th