

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.

1912

Press
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129-80

Dated

10-7-1868

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
10th July 1868.*

No. 179. Read the following Proceedings of the Madras Government in the
Public Works Department :—

Passing orders on the report of the damage done
to the breach repairs under progress on the
Yerrabomanhully tank, in Bellary District,
during the heavy fall of rain on the 4th
instant. (Here enter 4th July 1868, No. 2,132.)

No. 180. ORDER THEREON, 10th July 1868, No. 1,912.

Irrigation, No. 4.

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. 2,132.

Ed. F. R. Bantleman.

*Proceedings of the Madras Government, Public Works Department,
4th July 1868.*

No. 109. Read the following Endorsement of the Superintending Engineer, 3rd Division, dated Camp at Ramandroog, Bellary District, 16th June 1868, No. 922 :—

Read the following letter from the Supervisor in charge No. 6 Range, to the Superintending Engineer, 3rd Division, dated Camp at Yerrabomanhully, 8th June 1868, No. 15.

1. I beg to report that the breach repairs under progress on the Yerrabomanhully tank sustained considerable damage during the heavy fall of rain on the 4th instant.

2. The bund in the breach had been uniformly raised $4\frac{1}{2}$ yards above the level of the Vunka bed at the time the accident occurred, when the water is stated to have been flowing $2\frac{1}{4}$ feet above the entire length of the breach for a period of two hours, after which an opening was formed at the eastern extremity near its junction with the old bund; the length of this opening is 28 yards, and its depth 4 yards, and all the earth and the greater portion of the stone revetment along this distance have been washed away up to the depth, as aforesaid, of 4 yards; below this level the earth and stone-work have sustained no damage whatever.

3. Along the remainder of the length, viz., 66 yards of the breach, the water in flowing over lowered the upper surface to a height of above half a yard, and below this carried away portions of the earth from in rear for breadths varying from 12 to 20 yards, and a height of $2\frac{1}{4}$ yards; exclusive of this, this portion of the work had sustained no further damage, owing chiefly to the large mound of sand in rear along this distance, which had been removed when laying the foundation of the breach, and to the earth used being of a very firm and plastic nature.

4. I beg to annex a Statement, exhibiting the extent of the damage, which I estimate at Rupees 660, and to state that I have for the present, pending your orders on the subject, stopped the further progress of the work with the exception of a trifling outlay, not exceeding 20 Rupees, which is necessary to secure the portion of the work remaining in the breach against future damage by the rains.

5. The total value of the work executed up to date amounts to Rupees 5,219-4-0, of this sum Rupees 1,929-8-1 were expended on the breach repairs.

6. I beg further to report that, on my inspection of the tank from the 27th to the 29th ultimo, the work was in steady progress, all the available Wooppars in the talook having been collected, some through the aid of the Tahsildar; earth was being conveyed on buffaloes, and owing to the great distance it had to be conveyed, viz., from 300 to 500 hundred yards, coolies were not employed for the purpose; the earth in rear of the bund being a sandy loam was not used in the breach-work. On the 29th ultimo, the earth and stone-work to the breach had uniformly risen to a height of $3\frac{1}{2}$ yards above the bed of the Vunka, and the water in the tank at that time stood $4\frac{1}{2}$ feet below the top of the bund as then raised; the bund was perfectly secure and free from leakage even through the foundation, the springs alluded to in paragraphs 1 and 3 of my Report No. 131, under date the 12th March 1868 having been effectually kept under.

7. At the time the injury occurred the breach-work was not raised to a sufficient height to admit of the water discharging over the calingulah, but outlets

*Proceedings of the Madras Government, Public Works Department,
4th July 1868.*

were provided which eventually proved inadequate, owing to the unprecedented heavy fall of rain within a period of an hour and a half, and that, too, unexpectedly, quite at the commencement of the monsoon, and to its having been unforeseen

Badathoor Baddanaiknacotta.
Govindapoor Runga Soobba Row's tank.

that the tanks above, as per margin, would have breached, and that the undermentioned tanks would have had their bunds cut up for safety, viz., Mallanaickanahully tanks (two) and Biderekerrah tank in Mysore Territory; the total fall of rain on the 4th instant was $5\frac{1}{2}$ inches, of this quantity, 4 inches fell within the period of an hour and a half between 1 and 5 o'clock P. M.; the water in the tank rose so very rapidly, and during the dusk of the evening, that one of the outlets, which admitted of being enlarged, and which was ordered to be done in case of necessity, was not promptly attended to; this outlet is the Karrasankanahully breach at the south-west end of the bund, where a sluice is to be constructed, and which was deepened one and a half yard and widened 4 yards before I left on the 29th ultimo; the other outlets were the old sluice, the vent-stone of which was removed, the interior dimension of the tunnel being two feet square, and the sluice lately constructed at a low level under the apron of the calingulah; the water discharged through all these outlets flowing through the Karrasankanahully breach at a depth of $4\frac{1}{2}$ feet.

8. In conclusion, I beg respectfully to state that both the Talook Overseer, Valoidam Moodelliar, and myself were not present at the time of the accident, having on the afternoon of the 3rd instant, when the weather was fair, proceeded on towards Bassavanahully, a distance of 23 miles from Yerrabomanhully, with a view of inspecting the breach-work under progress in the Nagananhully tank, and adopting measures for its safety, and that intelligence of the injury to the Yerrabomanhully tank did not reach us till the evening of the 5th instant, and in proof of the severity of the rain-fall, I beg also to state that the Madakseerah large tank, which for the last eight years had never, during the heaviest portion of the monsoon, its water within a yard of its calingulah crest, has now, after the rain-fall of the 4th instant, the water within $\frac{1}{2}$ yard of its calingulah crest.

BELLARY DISTRICT.

Pennacondah Range, No. 6.

Statement showing the extent of the damage caused to the breach-repairs under progress on the Yerrabomanhully tank, commencing from the west end of the breach.

10 12	$\frac{1}{2}$	60	Earth, renewing portion washed away from the top.
12 12 $\frac{1}{2}$	2 $\frac{1}{2}$	330 $\frac{1}{2}$	Do. do. do. do. form in rear.
20 14 $\frac{1}{2}$	2 $\frac{1}{2}$	641 $\frac{1}{2}$	Do. do. do. do. do.
24 19 $\frac{1}{2}$	2 $\frac{1}{2}$	1,039 $\frac{1}{2}$	Do. do. do. do. do.
56 20 $\frac{3}{4}$	$\frac{1}{2}$	565 $\frac{1}{2}$	Do. do. do. do. form the top of

the above three tanks.

28 27 $\frac{3}{4}$ 4 3,087 Earth re-filling portion washed away.

		5,723 $\frac{1}{2}$	Total cubic yards earth.
30 1 2	60		Re-building stone to the portion washed away.
0 1 3 $\frac{1}{2}$	97 $\frac{1}{2}$		New stone above.
3 1 10	30		New stone to bund at east end of breach.

*Proceedings of the Madras Government, Public Works Department,
4th July 1868.*

Abstract.

	RS.	A.	P.
5,723 $\frac{1}{2}$ Cubic yards of earth at 11 cubic yards per Rupee ...	520	5	5
Do. do. do. tamping at 3 Pies per cubic yard ...	89	6	11
127 $\frac{1}{2}$ Cubic yards new stone at 3 cubic yards per Rupee ...	42	8	0
60 Do. re-building new stone at 8 do. do. ...	7	8	0
Add ...	659	12	4
	0	3	8
	660	0	0

(Signed) F. WATKINS,

CAMP AT YERRABOMANHULLY,
8th June 1868.

Supervisor in charge, Pennacondah Range, No. 6.

Forwarded for the information of Government.

(Signed) A. S. MOBERLY, Major, R. E.,
Superintending Engineer, 3rd Division.

No. 110.

ORDER THEREON, 4th July 1868, No. 2,132.

IRRIGATION, No. 4.

1. In June 1867 the Government sanctioned an estimate of Rupees 6,900 for the restoration of a breached tank at Yerrabomanhully in the Madakseerah Talook of the Bellary District; but it having subsequently been discovered that the depth of said in the breach had been under-estimated, and springs having been met with, a revised estimate of Rupees 7,350 was submitted by the Superintending Engineer and sanctioned by Government in Proceedings of the 30th April 1868, No. 1,331.

2. It appears from the Range Officer's report above recorded, which the Superintending Engineer submits without comment, that during a heavy fall of rain on the 4th June last, the works in progress at the breach, on which an outlay of Rupees 1,930 had been incurred, sustained serious damage, the repair of which will, it is estimated, cost Rupees 660. The total expenditure upon the sanctioned estimate up to the date of the accident is stated to be Rupees 5,219.

3. The Government regret to learn of this disaster, and they desire the Superintending Engineer will take an early opportunity of personally inspecting the tank. Meanwhile the repairs will be proceeded with, and the works sanctioned in G. O. of the 30th April 1868, No. 1,331, carried to completion.

Estimate, Rupees 7,350.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 3rd Division.
" Controller of Public Works Accounts.
" Accountant General.

Exd. F. R. Bantleman.

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Proceedings of the
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Dated 1st 3 July / 88
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Ms. A. 9.2. 2132.

Mr 1912 - 10 July

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The Report of the

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Ernst Heinrich

on the 1st of January

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During the hour

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8. 1912.

Lead to the

Westmoreland

10 July 1968

in Spinoza's *Philosophy* (Ph. 1720) 132-133