M.R.O. 1—32,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 942 Press Mis.

150-151

Dated 7th April 1969

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department,
7th April 1869.

No. 150. Read the following Proceedings of the Madras Government in the Public Works Department:—

Sanctioning revised estimate of Rupees 13,500 for a bridge across the Survapully channel near Stonehousepettah, Nellore District. } (Here enter 23rd March 1869, No. 972.)

No. 151. ORDER THEREON, 7th April 1869, No. 942.

Miscellaneous.

COMMUNICATED to the Revenue Board.

(True Extract.)

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

To the Board of Revenue, with Proceedings Public Works Department, No. 972.

Erd. F. R. Bantleman.

No. 670. Read the following Endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 4th March 1869, No. 154:—

Read the following letter from the Superintending Engineer, 2nd Division, to the Chief Engineer for Irrigation, dated Camp at Nellore, 13th February 1869, No. 152:—

I have the honour to forward a comparative Statement and revised Estimate for the Stonehousepettah bridge* in the Nellore District, with a copy of Major Clay's letter showing the causes of excess in expenditure above estimate to the amount of Rupees 5,200, for which sum I beg the early sanction of Government.

1 Comparative Statement.
1 Revised detailed Estimate.
1 Do. Abstract.
1 Copy of Major Clay's letter, No. 317.

* Included in the Survapully Project.

From Major A. D. CLAY, Assistant Engineer, 1st or Nellore Range, to the Superintending Engineer, 2nd Division, dated ———, No. 317.

1. I have the honour to forward a plan and comparative Statement, showing the differences between the original and revised estimates and the work already executed and to be executed in the construction of the Stonehousepettah bridge, by which you will observe that the original estimate is already exceeded by Rupees 2,185.

2. The causes of excess will be found in the following items, which were not fully provided for in the original estimate.

3. Wells were not provided for in the original estimate, but were, on my report, sanctioned by the late Superintending Engineer in his telegram dated 7th May 1868.

4. *Foundations, earthwork, &c.*—The sum of Rupees 96-4-0, provided for in the estimate, proved wholly insufficient, consequent on the sandy nature of the soil, and the frequent land slips caused by the numerous and powerful springs in the bed of the channel.

5. *Baling.*—The great excess here is owing, as reported more than once by me to the late Superintending Engineer, to the persistent disregard of Overseer Kooppoosamy Rajoo to carry out the orders of the late Superintending Engineer, as suggested by Colonel Anderson, to unwater to a depth of three feet, by cutting a channel down the centre of the Survapully channel (which has a fall of one foot per mile) to a sufficient distance. This was repeatedly urged on the Overseer by myself on my numerous visits to the work, but without avail, and my reports to the late Superintending Engineer will be found in your Office. The excess in the remaining items was caused chiefly by the interruption to the work by freshes in the river, and call for no special remark.

There is so much difficulty in procuring laterite of superior quality for arch work near Nellore, that I am now obliged to cart it from a distance of four miles, which will cause a slight rise in the rates as shown in the statement.

THE work for which a revised estimate is submitted, with the foregoing letters, is comprised in the project for the improvement and extension of the Irrigation works in the Pennair Delta, which was sanctioned by the Government of India at an estimated outlay of Rupees 4,12,100.

G. O. No. 1,844, dated 20th June 1867.

2. The original estimate for the bridge in question amounted to Rupees 8,300, and the revised estimate being for Rupees 13,500, the excess is nearly 63 per cent. This excess is, for the most part, due to the cost of the foundations turning out

much greater than had been comtemplated. It was found impracticable to lay solid foundations in the manner provided in the original design, and the cost of wells alone in their stead amounts to Rupees 2,632, or more than half the whole excess. Nearly 1,400 Rupees are due to the additional cost of excavation, and 1,000 Rupees to that of baling.

3. It is doubtless difficult to estimate accurately for work of this nature, and even if wells could have been dispensed with, there would still have been a large excess in baling and excavation. I have no alternative but to recommend the revised estimate for sanction; for although I have doubt of the management of the work having been as good as it ought to have been, there is no absolute proof of this. The Superintending Engineer has simply forwarded Major Clay's letter, without any expression of his opinion as to whether that Officer's explanation was satisfactory or otherwise. Colonel Moberly may have thought that, as the foundations were carried out during the incumbency of the late Colonel Winscom, it was unnecessary for him to enter into particulars, but he should still, in my opinion, have placed me in possession of such information on the subject as he had been able to collect, after a personal examination of the work.

(Signed) J. C. ANDERSON, Colonel, R. E.,
Chief Engineer for Irrigation.

No. 671. ORDER THEREON, 23rd March 1869, No. 972.

CIVIL WORKS, No 91.

Under the explanations furnished in these papers, the Government sanction the revised estimate of Rupees 13,500 for a bridge across the Survapully channel near Stonehousepettah, forming an item of the project for the extension of irrigation from the Pennair anicut in the Nellore District. His Excellency in Council concurs however with the Chief Engineer for Irrigation in considering that the Superintending Engineer should have submitted Major Clay's explanations of the necessity for the increased outlay, with his own opinion after personal examination of the work.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division.
,, Chief Engineer for Irrigation.
,, Revenue Department.
,, Controller of Public Works Accounts.
,, Accountant General.

Exd. S. T. Augustin.

W. 942.
Comm^d to the Rev. Board.

7^th April 69.

Rec'd 1869 Dept.

Govt. of {1869} Madras.

PUBLIC WORKS.

To No. 971.

THE SUPERINTENDING ENGINEER,

2ND DIVISION.

&c., &c., &c.

Dated March, 23rd.

Recd. " 25 " *Inst.*

G. O., 23rd March 1869, No. 972.

MARCH

Nos. 670-671

Bridge.—Revised estimate of Rupees 13,560 for a bridge across the Sarvapally channel near Stonehouse-pettah, Nellore District, sanctioned with remarks.

Read Letter

Letter Order