Proceedings of the Madras Government, Public Works Department, 17th January 1874.

Read the following papers:—

No. 235. Endorsement of the District Engineer, Chingleput, dated Guindy, 19th November 1873, No. 2,226.

From W. A. GOODCHAP, Esq., Executive Engineer No. 1 Range, Chingleput District, to Colonel F. J. MOBERLY, R.E., District Engineer, Chingleput, dated Serooloor, 23rd September 1873, No. 729.

WITH reference to the remarks of the Chief Engineer for Irrigation, No. 491G, dated 7th August 1873, regarding the rates for the Kasaveram Anicut repairs and improvements and the delay in submitting the plan and estimates, and the Government Order thereon, dated 1st September 1873, No. 2,176, calling for an explanation, I have the honour to report that, in accordance with the detailed instructions given by you, when you inspected the anicut on the 30th January 1873, plans, sections, and estimates were prepared and submitted to your office on the 7th March 1873, with letter No. 960. They were, however, returned to me for revision on the 20th March 1873 with letter No. 1,004.

2. On the Chief Engineer for Irrigation inspecting the work with you, on the 28th March, further instructions regarding the repairs and improvements to be executed were issued, and necessitated a complete alteration and revision of the plans and estimates which were previously prepared. As, however, final instructions with reference to altering the escape calingulah into a set of sluices were not received in this office until the 21st of April, when again another plan had to be drawn, there was some delay in getting ready the entire plan and estimate, which were submitted to you on the 10th June 1873. Looking to the fact that there was a great pressure of work owing to damages by the last heavy floods, and also that the official year was near its end, when the papers in question were being prepared, I beg to submit that they were not detained an unreasonable length of time in this office.

3. With regard to the rates, I beg to observe that detailed data were attached to the estimate for the following works—

Brickwork, Concrete, Plastering.

And I now submit data for rough stone boulders and revetment, filling in with sand and forming division bank, the rates for all which were carefully looked into while the estimate was being framed.

4. In accepting a schedule of rates (herewith enclosed) for the execution of the work, the price tendered for sand filling, in one instance, is less than the rate allowed in the estimate.

5. A report and estimate, with reference to the proposed alteration to the escape calingulah, will be forwarded in a day or two, but I may observe that the sill of the proposed sluices cannot be placed on a level with the sole of channel, inasmuch as the foundation to the work is very indifferent.

COPY forwarded to the Secretary to Government, Public Works Department, with reference to paragraph 4 of G. O., No. 2,176, dated 1st September 1873.

1 Data.

(Signed) F. J. MOBERLY, Colonel R.E.,
District Engineer, Chingleput.

Proceedings of the Madras Government, Public Works Department,
17th January 1874.

No. 236. No. 858.

Note by the Chief Engineer for Irrigation.

THE explanations regarding the delay in submitting for sanction estimates for the repair of the Kasaveram Anicut account for a portion of the time spent in their preparation, but they certainly should have been got ready much earlier than was actually the case. The particulars given of the data on which the rates in the estimate were determined show that special circumstances rendered the earth-works more than usually expensive, but it must be noticed that rates at which tenders are made out are not reliable indications of the prices necessary; they are far more likely to be based on the estimate rates than on independent data. It is not apparent why the lower part of the hole at the head of the Bungairoo was filled with boulders; sand filling to 3 feet below bed level would have probably been equally efficacious at one-twentieth of the cost of stone.

BEZAWADA, (Signed) J. MULLINS, Lieut.-Colonel, R.E.,
1st December 1873. *Chief Engineer for Irrigation.*

No. 237. ORDER THEREON, 17th January 1874, No. 119.

IRRIGATION, No. 22.

ORDERED to be recorded with reference to Government Order, No. 2,176, of the 1st September 1873.

(True Extract.)

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

To the Chief Engineer, for Irrigation.
" District Engineer, Chingleput.

Exd. S. T. Austin.

Spare Copies

No. 729 No. 1 Range Office
Serooloor 23rd September 1873.

From,
The Executive Engineer
No. 1 Range Chingleput District

To
The District Engineer
of Chingleput

Sir,

With reference to the remarks of the Chief Engineer for Irrigation No. 491 G dated 7th August 1873, regarding the rates for the Kasaveram Anicut repairs and improvements, and the delay in submitting the plan and estimates, and the Government Order thereon dated 1st September 1873 No. 2176, calling for an explanation, I have the honor to report that, in accordance with the detailed instructions given by you, when you inspected the anicut on the 30th January 1873, plans, sections and estimates were prepared, and submitted to your office on the 7th March 1873 with letter No. 960. They were, however, returned to me for revision on the 20th March 1873 with letter No. 1004.

On the Chief Engineer for Irrigation inspecting the work with you,

on the 28th March, further instructions regarding the repairs and improvements to be executed were issued, and necessitated a complete alteration and revision of the plans and estimates which were previously prepared. As, however, final instructions with reference to altering the escape culvert into a set of sluices were not received, in this Office, until the 21st of April, when again another plan had to be drawn, there was some delay in getting ready the entire plan and estimate, which were submitted to you on the 10th June 1873. Looking to the fact that, there was a great pressure of work owing to damages by the last heavy floods and also that the official year was near its end, when the papers in question were being prepared, I beg to submit that they were not detained an unreasonable length of time in this Office.

With regard to the rates I beg to observe that, detailed data were attached to the estimate for the following works.

Brick work
Concrete
Plastering

and I now submit data for rough stone boulders and revetment filling in with sand and forming Division Bank, the rates for all which were carefully looked into, while the estimate was being framed.

In accepting a schedule of rates (herewith enclosed) for the execution of the work, the price tendered for sand filling, in one instance, is less than the rates allowed in the estimate.

A report and estimate with reference to the proposed alteration to the escape Calingulah will be forwarded in a day or two, but I may observe that, the sill of the proposed sluices cannot be placed on a level with the sole of Chamel, inasmuch as the foundation to the work is very indifferent.

Shaw & Co

/Signed/ W. A. Goodchap Exec. Engineer
No 1 Range Chuigl Division

No. 2226

Copy forwarded to the
Secretary to Government Public Works
Department with reference to para 4 of
G.O. No. 2176 dated 1st September 1873.

Enclosure
Data -

J. Nicholetts Col. R.E.
District Engineer Chuzf

Chief Dt. Engr. Office
Guindy 19th Nov. 1873

To
Colonel G. W. Walker R.E.
Secretary to Government P.W. Dept

Data for Rough Stone Boulders.

3

The quarry "Antoor" is 5½ miles from the ancient.

1 Cubic yard of Revetment
Cartage (3 × 5/2) × 1¼ Cwts = 1-4-7

Collection including loading Cartage = 0-6-0

Building Revetment = 5 yds in height = 0-6-0

Total for 1 C. Yard — 2-0-7

For filling hole at the head of the Bungaroo Dams, with rough stone boulders 4 annas a Cubic yard more is allowed, as the stones will have to be packed under water to a depth of 6 feet.

Data for Sand filling.

For Ancient a prow - Average distance of pits 60 yds, Schedule price 1/3 per C. Yard

For Head wall foundation - The pits extend from

P. W. 18/3 Resolution.

From Chief Secretary for Legislation

To Secretary P.W.D.

No 85-8

Dated 1st Dec 1873

Received 10th Dec 1873

Enclosure 2 V

Note on the Government Resolution regarding the delay in sanctioning the estimate for the Kaiwarra Valley Reclamation

Write an order

Ordered to be recorded with reference to Government Order No 2176 of the 1st September 1873. No 1119

Lyn. 2/12/73

To the Clerk of Engrs for Instrs

Dft Engr Completed

Desp 2 Lists S-C 29/1/74.

Rec'd 15 Dec 1873

1678

P.W. 6311/73.

2

Ch. 1/2029/73.

G. Book 119-17-1-74

No 6311 + 6678

Govt. of Madras.

PUBLIC WORKS.

To the Chief Engr for Irrigation

Dated

Recd. Encl. 2

G. O. 17 May 1874 No 119.

Nos. 235 & 237

Kaccaveram Anicut.

Chengalpet Dt. Note by the Secy for Irrigation on letter from the Secy: affording explanation as to the delay in the submission of plans & Estimates for the repair of the Anicut, recorded.