

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 2096

Press

~~MIN.~~

397-398

Dated

16-8-1866.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
16th August 1866.*

No. 397. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Communicating orders passed on report upon
the work executed in restoring the fallen
portion of the Lower Coleroon Anicut during
the past season, with an intimation of the
approval of Government of the exertions
made by Seevagooroo Pillay, Tahsildar of
Combacorum, to assist in carrying out the
important and difficult operations at the
anicut. (Here enter 10th August 1866, No. 2,528.)

No. 398. ORDER THEREON, 16th August 1866, No. 2,096.
Miscellaneous. Communicated to the Board of Revenue.

(True Extract.)

(Signed) J. GROSE,
Under Secretary to Government.

To the Board of Revenue, with Proceedings Public Works Department, No. 2,528.

Exd. S. T. Augustin.

No. 224. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Department Public Works, dated Tranquebar, 28th July 1866, No. 490:—

1. I have the honor to report upon the work executed in restoring the fallen portion of the Lower Anicut during the past season.

2. The foundations of the front retaining wall of the anicut itself and of the piers for the bridge, with the flooring between the piers, have been completed: of the anicut itself 67½ feet of the lower step have been completed, and 27 feet 10 inches of the upper step. Of the rear apron 63 feet, which only required repair, have been completed, and 24 feet have been re-constructed, making 92 feet in all. The foundations for the retaining wall of the extended apron for a distance of 52 yards had been cleared to a depth of 9 feet early in June, when on the 3rd the Murthyaur was freshed, and put a stop to all foundation work which never could be resumed.

3. The extended apron to No. 2 sluice was put a stop to at the same time when the retaining wall, with the exception of 24 feet, had been completed and about half the floor, the interval between the old and new retaining walls has since been filled with rough stone, and the sluice will be kept closed throughout the season, and no danger is apprehended owing to the non-completion of the apron, though it is much to be regretted that the apron was not completed. Very great difficulty was experienced in clearing the foundations for the retaining wall of this extended apron, owing to the necessity for the removal of the rough stone and cubes which had been thrown round the old apron for its protection. The foundations consist of 7 feet of masonry over boxes 3½ feet high, filled with solid masonry, and are 10½ feet in depth in all; they stand on rough stone and cubes which, it is believed, have become consolidated, and which will, when the new retaining wall is protected by a rough stone apron, be altogether beyond the influence of the waters.

4. Owing to the introduction of solid foundations, instead of those on wells provided in the estimate, and to the difficulty of getting in the foundations, the estimate of Rupees 16,000 for three extended aprons is likely to be exceeded by about

Boxes	...	...	Rupees	1,000	Rupees 7,500, but it is anticipated that this will be more than covered by the saving on the estimate of Rupees 74,000, for the restoration of the fallen portion of the anicut.
Baling	...	...	"	1,500	
For 1 apron	...	...	"	2,500	
For 3 aprons	...	...	"	7,500	

5. On the 23rd of June the Coleroon was freshed, the water rose over the anicut within an hour of its first appearance, and by 6½ p. m. the water was 2 feet 9 inches over the north branch, and 3 feet 8 inches over the south branch, and continued to rise till the evening of the 24th, when the water was 4 feet 6 inches above the south branch of the anicut; 6 feet over the anicut is regarded as a high fresh, and as the front embankment has shown no indications of settlement notwithstanding the rapidity with which the first fresh rose, there is every probability of its standing however high subsequent freshes may rise, for the top of the bank is up to the level of the road-way of the bridge, or three yards above the ordinary high freshes.

*Proceedings of the Madras Government, Public Works Department,
10th August 1886.*

6. When the river was freshed from the Murthynaur early in June, the water was led through channels cut from the third and fourth sluices to the deep bed

From north end of south branch.

north section of the aquifer, and with the happiest results. The accumulations above

* Five in all.

† From south end.

mid-stream of the reduced water-way in the southern branch ; the accumulations below the anicut opposite to the three southern sections have also been washed away, and the river bed has been much improved both above and below the anicut.

7. There is no scour along the front embankment, and accumulations have been formed along its foot.

8. Though the work is not in so advanced a state as I could have wished, it must be borne in mind that the actual working season was reduced to two and a half months, or from the middle of March to the end of May, and great credit is, I think, due to Mr. Bateman and to Overseer Appattoray Moodelly for the work actually done. They spared themselves neither fatigue nor exposure in laying the foundations to a depth and with a solidity which has not hitherto been attained.

3- The Department is under great obligations to Comptroller of the Tahsildar of Combaconum, for the assistance afforded by him in procuring labor for the completion of the front embankment.

10. I regret to report that 36 feet of the extended wing-wall of the surplus sluice in the South Rajah Mookal have fallen, and 27 feet more have been thrown out of the perpendicular. This wall is awkwardly placed, and the stream through the sluice sets directly upon it.

11. The wing-walls of the South Rajah Voikol sluice of the surplus sluice of the Kunniki Muniyaur and of the Thatuvachary drainage channel require lengthening. All these sluices cross the southern approach to the bridge over the aicut, and are within 75 or 80 yards of the southern abutment.

No. 22. ORDER THEREON, 10th August 1866, No. 2,528.

CIVIL WORKS, No. 37

CIVIL WORKS, No. 37.

1. The Government are unable to understand clearly from the above report what portion of the repairs to the Lower Chiguan Arment has been completed, and what still remains to be done, but it would appear that of the 183 feet of the dam itself, which requires to be rebuilt, no portion of the superstructure has been raised to the full height, and for 83 running feet the foundations only have been laid; a considerable portion of the rear apron is still unfinished, whilst the general extension of the apron in rear, with its retaining wall, is untouched. It further appears that the extended apron and retaining wall of the set of sluices only out of the four had been commenced, and that even that was still in a very incomplete state, when the freshets in the river put a stop to the work.

*Proceedings of the Madras Government, Public Works Department,
10th August 1868.*

The stability of the ancient and the large revenue under it are, therefore, evidently dependant on the maintenance of the ring bund which cuts off the incomplete portion of the work, and it is satisfactory to learn that this embankment has been very solidly constructed of dimensions such as make it almost certain that it will stand throughout the season, even if the freshes rise to a height greater than usual. The Superintending Engineer has of course made arrangements to have a careful watch on it, and earth, nannal, &c., stored at convenient places so as to be in readiness to strengthen it, should any weakness become apparent.

2. The Government are much disappointed to find that the amount of work done has been so much less than they were led by Captain Oakes' report of the 13th March last to expect, but they fully recognise the difficulties which must have been experienced in getting down the foundations and retaining walls, through the debris of the old work, to a depth considerably greater than it has ordinarily been found practicable to carry down such works, and they have no doubt that the deficiency in the amount of work done is not due to any fault of the local Departmental Officers. They expect, however, that such progress will be made during the next six months in the preparation of materials that there shall be no doubt of the work being completed in its entirety during the next working season.

The praiseworthy zeal and activity of Sub-Engineer Mr. Bateman and Taluk Overseer Appattaray Moodelkar have been duly noted, and these Proceedings will be communicated to the Revenue Department with an intimation of the approval of the Government of the Government of Madras in carrying out the Bill of Particulars for the hachonum, to assist this Department in carrying out the important and difficult operations at the Lower Anicut.

(True Extract.)

Colonel, B. E.
Secretary to Government.

To the Superintending Engineer, 6th Division
Controller of Public Works Accounts.
Revenue Department.

Abstract

Some of the
Grand Court in
the Public Works
Department

At 10^h 30^m 30th Aug.
Barometer 13^h 7 1866

88-7528

Communicating orders possible
our Report upon the work specified in relation
the following portion of the same Document during
the past season with our intention of the
approval of part of the System made by
devising a Policy, which is of consequence
to which in carrying out the important
difficult of problems of the Council.

Ms A9.2.17-398-

2000-10-20

W. Buckle

9606-76

Commenced
to the Board of Trustees

160 Aug 4/66

44. Epinephelus latipes Quoy et Gaimard 1825