

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 754

Press
~~Mis.~~

223-24

Dated 10. 3

1870.

Not to be folded or roughly handled

No. 223. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Camp at Mayaveram, 19th February 1870, No. 1,320:—

I HAVE the honour to inform you that I recently inspected the Mangoody dam across the Poighay, which is a large drainage stream deriving its supply from a large area of land supplied chiefly by the Codamoorthy, and draining the area between that river and the Vettaur. The stream is a deep one, but the water is raised for purposes of irrigation by means of dams at intervals along its course.

2. The Mangoody dam is one of the most important of these dams, and from it 1,606 acres, yielding a revenue of upwards of Rupees 11,000, derive their supply.

3. A deep hole has been formed below the dam and is from eight to ten feet below the apron level at a distance of from thirty to forty feet below the dam, while immediately below the retaining wall of the apron there is a hole of from four to five feet in depth, the upper portion of the retaining wall and a bit of the apron in the centre have been injured, while there is a bad crack in the down-stream eastern wing, and the down-stream wings are hardly long enough to protect the bank. It is proposed, therefore, to extend the down-stream wings by eight feet to connect them by a retaining wall and to provide a lower apron $4\frac{1}{2}$ feet below the level of the existing apron, and this it is believed will secure the work.

4. The dam does not contract the width of the deep bed of the stream, which has little or no padugay, but it would appear that during the fall of heavy rain a large volume of water passes into the channel, and by its action on the bed below the apron the deep hole is scoured below the apron, there being little or no room for the expansion or spreading of the water surface below the dam.

5. There are similar deep holes below all the dams across this stream; that below the Wollappoocherry dam, which is about two miles east of the Mangoody dam, is about to be protected by throwing in the debris of an old dam which was destroyed some years ago, and which will form a rough apron of cubes.

6. As the work to be executed to the Mangoody dam is an improvement and must, therefore, be regarded as a new work, and the estimate exceeds Rupees 500, the limit of sanction by the local officers, it is forwarded for the sanction of Government; and as it will not be possible to execute the work this season, if the preparation of materials is not at once commenced, I beg that the estimate may be sanctioned at an early date, and that funds may be provided for it in 1870-71 from the Reserve; no payments need be made for the work in 1869-70.

No. 42.

Note by the Acting Chief Engineer for Irrigation.

I do not think the small additions to the Mangoody dam across the Poighay should be treated as a "New Work." They are of the nature of repairs of an old work, and the arrangements include additions, only because in this way the stability of the work can be secured at the lowest cost. I beg, therefore, to recommend that the Superintending Engineer be informed that the estimate can be sanctioned locally from Repair funds.

Fort St. George,

24th February 1870.

To the Secretary to Government, Public Works Department.

(Signed) J. MULLINS, Major, R.E.,
Ag. Chief Engr. for Irrigation.

Proceedings of the Madras Government, Public Works Department,
10th March 1870.

No. 224.

ORDER THEREON, 10th March 1870, No. 754.

IRRIGATION, No. 18.

ORDERED that the estimate which
accompanied the above letter from the
Superintending Engineer, 6th Division

be returned to that Officer with an intimation that it can be carried out on local
sanction from Repair funds.

(True Extract.)

Major, R.E.,

Acting Joint-Secretary to Government.

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

Note by the Acting Chief Engineer for Irrigation

I do not think the small additions to the Mann-
goody dam across the Puzhay should be treated
as a 'new work.' They are of the nature of repairs
of an old work, and the arrangements include addi-
tions, only because in this way the stability of the
work can be secured at the lowest cost. I
beg therefore to recommend that the Superintend-
ing Engineer be informed that the estimate can
be sanctioned locally from repair funds.

To Mr. George J. Volundranis Mayor
24th February 1870 } Acting Chief Engineer for Irrigation

The Secretary to Government
P.W. Department

Asst. Engineer's Office
Camp Majanaram 19th February 1870.

Captain R. F. Baker R.E.
Suff. Engineer, 6th Division

Secretary to Government - P. W. D.

Sir

I have the honor to inform you that I recently inspected the Mangoddy Dam across the Poigay, which is a large drainage stream deriving its supply from a large area of land supplied chiefly by the Codamooty and draining the area between that River and the Vellaur. The stream is a deep one but the water is raised for purposes of irrigation by means of Dams at intervals along its course.

2. The Mangorody Dam is one of the most important of these Dams and from it 1606 acres yielding a Revenue of upwards of Rs. 11,000 derive their supply.

3. A deep hole has been formed below the Dam and is from 8' to 10' below the Apron level at a distance of from 30 to 40' below the dam, while immediately below the retaining wall of the Apron there is a hole of from 4' to 5' in depth the upper portion

With great Respect
 I am Dear Sir
 Yours &c
 The Acting Chief
 Engineer for Singapore

The Secretary to
Government of M. D.

Feb 24 - 27
Feb 28 - 29
Recd 20 - 21

Wm. A. D. D.

Note on estimate for

relating the dam
bents, the Park
at Maryland & near
Hutchinson.

Q no 754-10. Inverted 1870

portion of the retaining wall and a bit of the Apron in the centre has been injured while there is a bad crack in the down stream eastern wing and the down stream wings are hardly long enough to protect the bank. It is proposed therefore to extend the down stream Wings by 8' to connect them by a retaining wall and to provide a lower apron $4\frac{1}{2}$ ' below the level of the existing Apron and this it is believed will secure the work.

4. The Dam does not contract the width of the deep bed of the stream, which has little or no padugay, but it would appear that during the fall of heavy rain a large volume of water passes into the channel and by its action on the bed below the Apron the deep hole is scoured below the Apron, there being little or no room for the expansion or spreading of the water surface below the Dam.

5. There are similar deep holes below all the Dams across this Stream, that below the Mollappocherry Dam which is about 2 miles east of the Mangoddy Dam is about to be protected by throwing in the debris of an old Dam which was destroyed some years ago and which will

will form a rough Apron of cubes. 72
6. As the work to be executed to the Mangoddy Dam is an improvement and must therefore be regarded as a New Work and the estimate exceeds Rs. 500, the limit of sanction by the Local Officers, it is forwarded for the sanction of Government and as it will not be possible to execute the work this season if the preparation of materials is not at once commenced I beg that the estimate may be sanctioned at an early date and that funds may be provided for it in 1870-71, from the Reserve; no payments need be made for the work in 1869-70.

I have the honor to be
Sir

Your Obedt. Servant

J. F. Baker Captain R.E.
Supt. Engineer 6 Division

P. W. Department.

754

Proceedings of the Madras Government

Under date the 10th March 1870

Read the following

From The Ag. Chief Engineer
for Irrigation

H. E. No. 42 of 24th February 1870

Ordered that the estimate which accompanied the above letter from the Asst. Engineer, S. Dist., be returned to that Officer with an intimation that it can be carried out on local sanction from repair funds.

W. 25/2/70

W. 25/2/70

To Asst. Engr. S. Dist. with
plan & estimate
Contractor, P. W. Dept.

Recd. 14/3/70

17/1/70 20/2/70

From
17/1/70 14/4/70

Asst. Chief Engineer

Division

To
The Secretary to Govt.

P. W. D.

Order 19th February 1870

Recd. 24th Feb 1870

Order 1320

Order 2

Forward to Asst. Engr.

a plan and estimate

for repairing the Dam

across the Poyang a/c

Manager.

Other Procs 2038 - 7 mg. 9/1

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Govt. of 1870: M.D.C.

PUBLIC WORKS.

The Superintending Engineer
6th Division

Dated

Recd.

10 March 1870. No. 754.

Nos. 223-224

Mayoody Dam Estimate of Rs 700
for certain repairs to the Mayoody
dam across the Pogdayan River
Feroze Sh., returned to the Super-
intending Engineer with remarks.