

(1) Number of pages 12
 (2) Date of repair 8-5-43
 (3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

P. W. DEPARTMENT.

G.O. No. <u>3220</u>	Press Mis.
<u>350-351</u>	
Dated <u>14-10-1867.</u>	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th October 1867.*

No. 350. Read the following Endorsement of the Consulting Engineer for Irrigation and Canal Company, dated Madras, 8th October 1867, No. 92:—

Read the following letter from the Agent and Manager of the Madras Irrigation and Canal Company, to the Consulting Engineer for Irrigation and Canal Company, dated Madras, 3rd October 1867, No. 289.

I have the honor to transmit copy of Chief Engineer's letter No. 582, of 3rd September 1867, on the subject of Reservoir Surveys, which was inadvertently omitted to be forwarded with my No. 260 of the 16th September 1867.

From the Chief Engineer, to the Agent and Manager of the Madras Irrigation and Canal Company, dated Kurnool, 3rd September 1867, No. 582.

Reservoir Survey.

Your No. 405 of 28th ultimo.

1. You are aware that Mr. Gordon, most afraid of delays from fever, is anxious to have three Assistants at low salaries, while I, most afraid of useless work being done owing to want of judgment, wish to see him with at least one really capable Assistant.

2. Now, it seems to me that Mr. Hawkins most likely possesses the judgment and experience we need; and though not so active as a younger man, may, by good judgment, make more telling progress. I have recommended him, and his appointment will leave room for another besides Mr. Dawson. I recognize the pressing importance of the reservoir surveys. One alone covers ninety-five square-miles of ground.

3. I need to know exactly what information Government will accept. When I wrote to you lately about the plans required, I made an error. The Government had ordered the survey by us of every holding, that order was not sent me up with the rest from my Office or was overlooked.

4. It will be an endless business for us to survey the holdings. First, who is to demark them for us? We cannot know which existing marks are right. The survey alone, if the demarking were complete, would probably occupy Government some years.

5. The Collectors of revenue must have records of the *accepted* area and schist of each field, and can easily estimate its value close enough for an average estimate. Generally, where land is near the hamlet and valuable, the schist is proportionately high. Inam land can be valued equal to the similar puttah lands.

6. Now, for such a valuation only the mark of *our contour on the ground* is needed. If *A's* field is within that mark, its size and value are obtained from the Revenue Officer's book, if *B's* field is outside the mark, his field is not taken. Fields cut by our line only need surveying.

7. For grazing land, often *held* as puttah at very low rate, an approximate estimate may be made from plans on a scale of four inches to the mile. But even here a far truer estimate will be made without a map, by seeing the contour line, and learning its course, and the sholahs and open spaces above and below it, and reckoning what proportion will be in the tank and what out; and the relative value, estimated by the number of cattle each is known to support. While we are closely surveying fields renting for 3d. an acre, fields worth £ 6 or 7 a year an acre will be left without water to develop that worth.

8. I write to Mr. Gordon* to telegraph to you where Mr. Hawkins should join him, and recommend that his appointment date as usual a suitable time before the date of his arrival there, and that no time be lost.

* To Gooty and to Bellary.

1. Submitted for the information of Government, in continuation of this Office letter No. 88 of the 30th ultimo.

2. There is, so far as I am aware, no order of Government requiring the survey of every holding comprised within the contour lines of the proposed reservoirs. On the contrary, Proceedings of the Madras Government, No. 1,817 of the

Proceedings of the Madras Government, Public Works Department.
17th October 1867.

17th June, and No. 2,133 of the 15th July, show that the areas of cultivated lands in block, and those of waste lands as accurately as may be possible without incurring much loss of time and expense, are required to be ascertained. Such being the case, the Agent has in his possession information which will enable him to correct the erroneous impressions which the Chief Engineer would appear (paragraphs 3 to 7 of his letter No. 582 of the 3rd ultimo) to entertain.

(Signed) J. MULLINS, Captain, R. E.,
Consulting Engineer for I. & C. Company.

No. 351. ORDER THEREON, 17th October 1867, No. 3,220.

ESTABLISHMENT, No. 46.

Recorded, with reference to the
Order of the 8th instant, No. 3,114.

(True Extract.)

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

To the Consulting Engineer for Irrigation and Canal Company.
do. Manager for do.

Exd. S. T. Augustin.

McCarron & Co.

Madras 3rd Oct/67.

No. 289

From

The Agent & Manager
McCarron & Co.

To

The Consulting Engineer
McCarron & Co.

Sir,

I have the honor to transmit
Copy of Chief Engineer's letter
No. 582 of 3rd September 1867 on the
Subject of Reservoir Airways,
which was inadvertently omitted
to be forwarded with my No. 260
of the 16th September 1867.

I have the honor to be
Sir,

Yours Most Obedtly

W. H. Martin Newcom

Agents & Managers

J

No 582

Manas Bro & Co.

Chief Engineer's Office

Kumool 3rd Sept 1874

To.

J. W. Henderson Esq.

Agents Messrs

Manas.

Sir,

Reservoir Survey

Your No 405 of 28th ultimo

You are aware that Mr Gordon
most afraid of delay from
fever, is anxious to have 3 Asst-
ants at one Salams, while
I must be afraid of useless work
being done owing to want of
judgment, wish to see him
with at least one really capable
Asistant.

2 Now it seems to me that
Mr Hawkins most likely
possesses the judgment and
experience we need; an
- then

though not so active as a younger man may be good judgment. make more telling progress. I have recommended him and his appointment will leave room for another besides Mr. Dawson. I recognize the pressing importance of the reservoir survey. One alone covers 95 square miles of ground.

3. I need to know exactly what information Government will accept. When I wrote to you lately about the plans required I made an error. The Government had ordered the survey by means of every holding that order was not sent me up with the rest from my office or was overlooked.

4. It will be an endless business for us to survey the holdings. First who is to demarcate them for us? We cannot know which existing marks are right. The survey alone, if the demarcations were complete, would probably occupy Government some years.

5. The collection of revenue must have records of the accepted area & schedule of each field, and can easily estimate its value close enough for an average estimate. Generally where land is near the khalat and valuable, the schedule is proportionate & high. Even land can be valued equal to the similar patka lands.

6. Now for such a valuation only the mark of our contours on the ground is needed. It

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its size and value are obtained
from the revenue Officer's book,
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Fields cut by our line only
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may be made from plans
on a scale of 4" to the mile.
But even here a far truer
estimate will be made without
a map, by seeing the contours,
line, and learning its course,
and the sholaks and open
spaces above & below it, and
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what out, and the relative value,
estimated by the number of cattle
each is known to support. While
we are close surveying fields
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to Bellary to telegraph to you where
Mr. Hawkins should join
him, and recommended that
his appointment date as usual
a suitable time before
the date of his arrival there
and that no time be lost.

I have &c
130/ John H. Latham
Chief Engineer

1 June 1891

To: Kuntak Kumbhar
Avala manor

N^o 92.

Endorsement to a letter N^o 289 of the 3rd instant from the Agent and Manager Madras Irrigation and Canal Company.

Submitted for the information of Government in continuation of this office letter N^o 88 of the 30th ultimo.

2. There is, so far as I am aware, no Order of Government requiring the survey of every holding comprised within the contour lines of the proposed Reservoirs. On the contrary Proceedings of the Madras Government N^o 1817 of the 17th June and N^o 2133 of the 15th July shew that the areas of cultivated lands in block, and those of waste lands as accurately as may be possible without incurring much loss of time and expense, are required to be ascertained. Such being the case the Agent has in his possession information which will enable him to correct the erroneous impressions which the Chief Engineer would appear (paras: 3 to 7 of his letter N^o 582 of the 3rd ultimo) to entertain.

Cons Engineer's Office
S. H. Canal Company
Madras, 8th October 1867.
Secretary to Government

Colonel Mullins Captain R.E.
Cons Engineer for S.H. Company
D.P. Hotes.

From
The Agent & Manager
S. H. Canal Company
to P. M. 3023/67
The Consulting Engineer
196/67
Dated 3rd Oct/67
Recd. 7 Oct/67
Forward copy of the
Chief Engineer's letter
No 582 of 30th Sept/67
on the subject of
Reservoirs which
ought to have accompanied
the No 289 of 16th July

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