

(1) Number of Pages..... 6
(2) Date of repair..... 1 - 2 - 1968
(3) Initials of the Referencer..... *[Signature]*

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	416	Press
B.P. No.		Mis.

Dated 24. 3. 1976 196 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
24th March 1876.*

No. 238. Read the following Proceedings of the Board of Revenue, dated 11th March 1876, No. 693:—

Read the following letter from H. W. BLISS, Esq., Acting Collector of Madura, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Dindigul, 3rd February 1876, No. 47.—

At the request of the District Engineer, I have the honor to forward copy of his letter, No. 3,857, dated the 15th January 1876, for the information of the Board and Government.

2. If I do not offer any observations at present upon the subject therein discussed, it is because I am engaged in the collection of certain information which will, I trust, enable me soon to place before the Board and Government the irrigational requirements of this district in such a form as will admit of a decision being come to as to the steps to be taken to supply them.

ENCLOSURE No. 1.

From Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to H. W. BLISS, Esq., Acting Collector of Madura, dated 15th January 1876, No. 3,857.

In reference to G.O. of the 14th July 1875, No. 2,005, Irrigation No. 41, communicated to the Revenue Department, I have the honor to

1 Register.

forward a statement showing approximately the

flow of water in the Vygay River during the months of October, November, and December 1875, at the causeway, Madura; the total registered for these three months is upwards of 1,200 million cubic yards; last year (1874) for the same months, the total was about 950 million cubic yards; it may therefore be fairly concluded from these two years' registers that this river does discharge during any year upwards of 1,200 to 1,500 million cubic yards of water, as I originally reported must be the case, and that therefore we have a better supply of water existing in this district than was proposed to be obtained from the Perryaur, whence it was not expected to obtain more than 1,100 million cubic yards; and the registers kept there for two years do not bear out the conclusion that even this could be realized except in very favorable seasons.

2. Taking the available water-supply of the Vygay at only 1,200 million cubic yards in any year, there is enough water in it for the irrigation of 200,000 Acres of rice land, worth at least 800 lakhs of Rupees in value at the prices paid for such land by the Railway Company; $1\frac{1}{2}$ per cent. interest on this would yield a water-rate of 12 lakhs of Rupees a-year, and as money can now be borrowed at 4 per cent. by the Government in this country, it would be worthwhile to raise two million sterling to carry out the necessary works for properly managing and utilizing the waters of this river; but I do not estimate these would cost, without the Perryaur, half a million sterling: there is then, I respectfully submit, sufficient data available to allow a most important irrigation project to be taken up and investigated professionally based, not on the correctness of levels or the co-efficients of empirical hydraulic formulæ, but on the fundamental principles of economic sciences, to secure the moral and social well-being of the people and to enhance their means of contributing to the general revenues of the Government.

3. Two years' experience and observation of this river has fully confirmed the opinion I originally formed of its capacity for irrigating a much larger area of land than it at present supplies; this, I subsequently ascertained, was quite in accord with the views of the late Major Ryves, R.E., who had many years' experience in this district: and this opinion is fully confirmed by all local information and that of the Railway Engineers employed on the bridge works over this river for their line, and is fully borne out by the registers maintained at the Vehar works in Bombay for several years, that in such steep valleys as the basin of the Vygay from 50 to 80 per

*Proceedings of the Madras Government, Revenue Department,
24th March 1876.*

cent. of the rainfall is actually drained off. I trust, then, you will be good enough to send this information to the Revenue Board, in continuation of that forwarded with your letter to them of the 9th April 1875, No. 157.

(True Copy.)

(Signed) H. W. BLISS,
Acting Collector.

SUBMITTED for the information of Government with reference to G.Os., dated 22nd July 1875, No. 1,538, and 25th September 1875, No. 1,990.
2. The report promised by the Collector is awaited.

(True Copies and Extract.)

(Signed) C. A. GALTON,
Acting Secretary.

No. 239.

ORDER THEREON, 24th March 1876, No. 416.

Irrigation, No. 6.

COMMUNICATED to the Public Works Department with reference to G.Os., in that Department, 14th July and 8th September 1875, Nos. 2,005 and 2,568.

(True Extract.)

(Signed) D. F. CARMICHAEL,
Secretary to Government.

To the Public Works Department.
„ the Board of Revenue.

Govt. of 1876 Madras.
REVENUE.

To
THE PUBLIC WORKS DEPARTMENT,
&c., &c., &c.

Dated March, 24th.

Recd.

Encl.

G.O., 24th March 1876, No. 416.

MARCH.
Nos. 238-239.

Vigay River in Madura District.—Communicating to the Public Works Department Proceedings, Board of Revenue, forwarding statement furnished by the District Engineer showing flow of water in the —.

No. 693.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 11th March 1876.

Read the following letter from H. W. BLISS, Esq., Acting Collector of Madura, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Dindigul, 3rd February 1876, No. 47:—

At the request of the District Engineer, I have the honor to forward copy of his letter, No. 3,857, dated the 15th January 1876, for the information of the Board and Government.

2. If I do not offer any observations at present upon the subject therein discussed, it is because I am engaged in the collection of certain information which will, I trust, enable me soon to place before the Board and Government the irrigational requirements of this district in such a form as will admit of a decision being come to as to the steps to be taken to supply them.

ENCLOSURE No. 1.

From Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Madura, to H. W. BLISS, Esq., Acting Collector of Madura, dated 15th January 1876, No. 3,857.

In reference to G.O. of the 14th July 1875, No. 2,005, Irrigation No. 41, communicated to the Revenue Department, I have the honor to

1 Register.

forward a statement showing approximately the

flow of water in the Vygay River during the months of October, November, and December 1875, at the causeway, Madura; the total registered for these three months is upwards of 1,200 million cubic yards; last year (1874) for the same months, the total was about 950 million cubic yards; it may therefore be fairly concluded from these two years' registers that this river does discharge during any year upwards of 1,200 to 1,500 million cubic yards of water, as I originally reported must be the case, and that therefore we have a better supply of water existing in this district than was proposed to be obtained from the Perryaur, whence it was not expected to obtain more than 1,100 million cubic yards; and the registers kept there for two years do not bear out the conclusion that even this could be realized except in very favorable seasons.

2. Taking the available water-supply of the Vygay at only 1,200 million cubic yards in any year, there is enough water in it for the irrigation of 200,000 Acres of rice land, worth at least 800 lakhs of Rupees in value at the prices paid for such land by the Railway Company; 1½ per cent. interest on this would yield a water-rate of 12 lakhs of Rupees a year, and as money can now be borrowed at 4 per cent. by the Government in this country, it would be worthwhile to raise two million sterling to carry out the necessary works for properly managing and utilizing the waters of this river; but I do not estimate these would cost, without the Perryaur, half a million sterling: there is then, I respectfully submit, sufficient data available to allow a most important irrigation project to be taken up and investigated professionally based, not on the correctness of levels or the co-efficients of empirical hydraulic formulæ, but on the fundamental principles of economic sciences, to secure the moral and social well-being of the people and to enhance their means of contributing to the general revenues of the Government.

3. Two years' experience and observation of this river has fully confirmed the opinion I originally formed of its capacity for irrigating a much larger area of land than it at present supplies; this, I subsequently ascertained, was quite in accord with the views of the late Major Ryves, R.E., who had many years' experience in this district; and this opinion is fully confirmed by all local information and that of the Railway Engineers employed on the bridge works over this

river for their line, and is fully borne out by the registers maintained at the Vehar works in Bombay for several years, that in such steep valleys as the basin of the Vygay from 50 to 80 per cent. of the rainfall is actually drained off. I trust, then, you will be good enough to send this information to the Revenue Board, in continuation of that forwarded with your letter to them of the 9th April 1875, No. 157.

(True Copy.)

(Signed) H. W. BLISS,
Acting Collector.

SUBMITTED for the information of Government with reference to G.Os., dated 22nd July 1875, No. 1,538, and 25th September 1875, No. 1,990.

2. The report promised by the Collector is awaited.

(True Copies and Extract.)

W. H. French
Acting Secretary.

To the Secretary to Government, Revenue Department,
the Acting Collector of Madura.

Exd. W. H. French.

24 March 1876

21 Feb 1876
in the Revenue Board

22-7-1875
22-7-1875
22-7-1875

Ref. to the Revenue Board in the letter of 24 March 1876
in the Revenue Board

No. 416

No. 1142
Revenue 1876. 20/10/76
BOARD of REVENUE,
MADRAS.

PROCEEDINGS, 11th MARCH 1876, No. 693.

20/11/1876
Encl.

Received 18 March 76

MARCH.
No. 693.

Vygay River—in Madura District.—Submitting to Government Collector's letter forwarding statement furnished by District Engineer showing flow of water in—

Charad—24 March 1876
W. H. French