

Public Works ¹⁸⁹⁶ (~~190~~) Department.

G.O., No 691.1

DATED 17-~~8~~-¹⁸⁹⁶ 190

[Despatch Abstract.]

Periyar Project:— Note by the Chief Engineer on the subject of the extension of wet cultivation under the aicutas above the Perandai.— Transferred to the Revenue Department.

No. 321 I., 2ND APRIL 1896.

PUBLIC WORKS DEPARTMENT.

READ—the following paper:—

Read—the following letter from the Collector of Madura, dated 3rd March 1896,
Ref. on C. No. 436-Gl.

2. The only lands so irrigated in Dindigul taluk are 25.49 acres in the zemin village of Ettilodu. The Sub-Collector estimates that 2,460 acres in this and four other zemin villages might be brought under irrigation, but that there is no scope for extension of cultivation in Government villages.

3. In Periyakulam the existing cultivation is as follows in Government villages :

The enhancement of assessment, if second group is raised to first group, will be from Rs. 8,345-6-0 to Rs. 10,006-2-0, or an increase of Rs. 1,660-12-0. I have asked the Sub-Collector to report if the enhancement is justifiable in the present fasli. There are also 760.85 acres of cultivation in the two zemin villages of Kuchanur and Uppukottai.

4. The Sub-Collector reports that 1,993 acres of Government and 186 of zemin land can be brought under irrigation without the construction of any new works, and that by the construction of new works 5,944 acres of Government and 1,260 of zemin lands could also be brought under cultivation.

5. The number of tanks that could be dispensed with is 24 and the area 1,256 acres.

The above shows roughly what scope there is for the extension of wet cultivation in Periyakulam, and it is presumed that further information is not required in order to settle the general point whether extension of cultivation there is to be permitted or not. If it is decided to encourage such extension, a detailed investigation will have to be made as in Madura and Mélur taluks. The rough sketch forwarded by the Sub-Collector is forwarded for reference, to be kindly returned.

6. As for the coming second crop, for which water will be let down on March 15th, it had been my intention to place no restriction upon the cultivation of second crop in Periyakulam taluk, and the Superintending Engineer informed me that the water-supply at the head sluice of the channels would be regulated by arranging to maintain the tanks in which the channels end at a certain fixed level, and that no assistance or information from the Revenue Department would be required. The last reports from Periyár, however, show that unless rain falls, all we can expect is a constantly diminishing supply beginning with not more than 500* cubic feet. It will therefore be unsafe to allow any extension of second crop cultivation beyond the mamul area, and I am issuing orders accordingly. Regulation of supply by maintaining

tanks at a fixed level will therefore be impracticable. The Public Works Department officers will be furnished with information as to the area of mamul second crop under each channel, and will have to regulate the supply of calculation, corrected by experience with reference to information to be afforded by the Revenue Department, as to the sufficiency or otherwise of the water.

Resolution—No. 39, dated 9th March 1896.

Submitted to Government with reference to paragraph 16 of Board's Proceedings (Revenue Settlement), No. 29, dated 22nd February 1896.

2. The most recent information as to the quantity of water at present available in the reservoir is disappointing.

3. The Commissioner considers that a qualified officer of the Department of Public Works should be directed to inspect the area irrigable under each of the anicuts above the Peranai anicut, and to report what extension of wet cultivation is practicable, what tanks should be dispensed with, and whether there is any sufficient reason why the fullest possible use should not be made of the Periyár water in the Periyakulam taluk.

(True Copy and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

Mis. No. 1091, Revenue.

The Board's proposal is approved and will be transferred to the Public Works Department for the issue of the necessary orders.

FORT ST. GEORGE,
18th March 1896.

(Signed) LIONEL DAVIDSON,
Ag. Under Secretary to Govt.

ORDER—No. 321 I., dated 2nd April 1896.

Communicated to the Superintending Engineer, VI Circle, for early report.
2. Separate orders will be issued in the General branch regarding the establishment applied for by the Executive Engineer, Madura Division, in his letter No. A/3, dated 11th February 1896, to Mr. H. M. Winterbotham.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle,
with sketch (to be returned).
„ Superintendent of Works, No. I Periyár Division.
„ Revenue Department.
„ Public Works Department (General,
Buildings and Roads Branch).

Exd. C. M. Thumbuswamy Pillay.

Spare Copies

CHIEF ENGINEER
FOR IRRIGATION.
13 AUG. 96
IRRIGATION.

Gobt. of 1896 Madras.

PUBLIC WORKS.

CHIEF ENGINEER
FOR IRRIGATION.
13 APR. 96

No. 2208

Dated April, 2nd.

Recd.

Encl.

G.O. No. 321 I., 2nd April 1896.

APRIL.

Irrigation

Endorsement in the Revenue Department transferring Board's Proceedings submitting a report from the Collector of Madura on — above Peranai anicut from the rivers in which the Periyar water will run, communicated to the Superintending Engineer, VI Circle, with remarks.

No. 802. In D

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 18 July 1896

From

W. Hughes Esquire
The Superintending Engineer,

6th Circle.

To

The Chief Engineer,

for Irrigation

SIR,

ENCLOSURES.

1. Sketch returned

With reference to the papers printed with G.O. No 321 I. dated 2nd April 1896, I have the honor to state that it is impracticable to limit the quantity of water used for irrigation of the wet lands now supplied from the Surilyar Anicuts and the ryots must be allowed to raise two crops without restriction. My experience of the river during the last nine years is that for the greater part of the cultivating season the supply has been inadequate and I think it will be found that two crops of rice are raised in very few places. The alternative crop is usually ragi or some other crop requiring but little irrigation. If a liberal supply of Periyar water is given I should say one cubic foot will be used for every

100 Acres of the first crop and the same for every 200 Acres of the second crop. The average will work out to about 80 Cubic feet per second during the cultivating season. I cannot say what the increase of revenue would be as the assessment is not given in the papers.

2. In my opinion extension of cultivation should not be allowed unless it is clearly shown that there is more than sufficient water to meet the ultimate demand in the Madura and Melur Taluqs where works have been provided at enormous expense for the irrigation of quite as much land as there is likely to be a good supply for. I may note that the 80. C.ft per second which will probably be used for the Surlyar lands is not allowed for in the estimates of water available for irrigation.

* 500 millions of cubic feet are allowed for filling the bed of the Surlyar & Melur rivers with (4) 2000 VIII page 55 of the Periyar blue book

3. With regard to para 5 of the Collector's letter I think it would be inadvisable to dispense with any of the tanks. There is just the same need of them as in the Madura and Melur Taluqs.

I have the honor to be

Sir,

Your most obedient servant

W. Hughes

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,
FOR IRRIGATION,
6TH CIRCLE.

TO

No. 29 mid
THE CHIEF ENGINEER,

for irrigation

NO. 802 end

Dated. 10th } July
Received. }

1896

Enclosure. /

*Irrigation - Reporting
on — about Oseranai
Ancient from the pivots
in which the Periyar
water will run.*

PUBLIC WORKS DEPARTMENT,

*Σ. 1
0. 7207*

FORMER CASES.

No. 2201 dated 13-4-1896.
 I " 26 md 17-7-1896.
 Q " 25 md 1-7-1896.
 I " 19 md 28-5-96
 Receipt No. 29 md
 Dated 22-7-1896.

LATER CASES.

R No. 30 md dated 21-7-1896.
 I " 146 30 7 1896.
 R " 444 17-8-1896
 Sent to Government with No. 146 I of
 30 7 1896.
 Printed with G.O., No. , dated
 189 .

REMINDERS RECEIVED.

No. 1, dated 189 .
 " 2 " "
 " 3 " "
 " 4 " "
 " 5 " "

KEEP-WITHS.

E. I. Form No. 5-2,000-30-4-96.

Receipt No. 29 md

From

The Supy. Engr
 G. C. C.

No. 802 md

Dated 18-7-1896

(Reply to E.I.'s Memo. No. , dated
 189 .)

Subject—

Irrigation
 Reporting on—also
 Peranai Aicut, the
 process in which
 Periyar water will

ENCLOSURES. 1

From

to

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Orders and Proceedings in File.

No.

Date.

No.

Date.

Regarding the E.I. papers. I was
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 connected papers. I was
 write a note for which I
 require these papers. I
 especially also.

PUBLIC WORKS DEPARTMENT,
 IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following

Proceedings of the Madras Govt. H. O. 20321 I. dated 2^o April 1896)
 Letter from the Supy. Engineer G. C. C. (H. O. 20302 md dated 18^o July 1896)
 Note by the Chief Engineer for Irrigation } (H. O. 20446 I. 30^o July 1896)

In the order read above
 the question is raised as to whether
 there is any sufficient reason why
 the fullest possible use should
 not be made of the Periyar water
 in the Periyakulam Taluk and
 as to what extension of wet
 cultivation is practicable under
 the aicut above the Peranai.

2 The Periyar project as sanctioned
 did not provide for any such
 extension and certain works were
 sanctioned to enable all Periyar
 water to be passed round the
 aicut above the Peranai. These
 arrangements were modified on
 a note by Col. Pennycook after
 inspection of each aicut in July
 1890 and sanctioned in L.O. 2
 324 I. dated 10^o April 1891. but the
 principle that Periyar water was
 to be passed on to the Peranai
 was adhered to.

3. The Periyar works below the Perandai have been designed and carried out to be suitable for the maximum supply expected from the Periyar reservoir and the undersigned entirely agrees with the Supty Engineer that until it can be clearly shown that there is more than sufficient water to meet the ultimate demand for which the works are designed no extension of irrigation under the upper channels should be allowed.

It appears however that it will be impracticable to carry out the original intention of the project that is to pass on all Periyar water and that the owners of lands under the upper canals must be allowed to take sufficient water for two crops without restriction.

The Superintending Engineer calculates that a quantity of 80 cusecs per second of Periyar water during the cultivation season will be sufficient to allow for this purpose. The assessment on these lands should be correspondingly increased.

Order thereon.

Transferred to the Revenue Department with reference to his No 1091 dated 18th March 1896.

Encls

30/7

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W. CURRENT No. 7207

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26-2-96 2089

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extension of best cultivation

as amounts above

Encls 2 (100)

Recd. 10. 8. 96

No 6918- dt 17 August 96

Encls 578

28-9-96

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The Chief Engineer for Irrigation
Supty Engineer B. C. Cole
Supt of Works to Periyar
Revenue Department with Enclosures