

Public Works (1897) Department.

G.O., No. 593-48

DATED 30 June 1897

[Despatch Abstract.]

an
Classification of ~~the~~ estimate, considering that the
— for fitting lift shutters to the Grand ancient
Cauvery Delta System already sanctioned
by the Govt of India should be altered from
"Remunerative" to "unremunerative."

an
Classification of ~~the~~ estimate: Forwarding
Copy of Pro. requesting that the — for fitting
lift shutters to the Grand ancient Cauvery
Delta System be altered from "Remunera-
tive" to "unremunerative."

Government { 1897 } of Madras.
PUBLIC WORKS.

Spare copies

G.O., Nos. 593, 594 I., 30th June 1897.

JUNE.

Forwarding copy of Proceedings requesting that the — for fitting lift shutters to the Grand anicut, Cauvery delta system, be altered from "remunerative" to "unremunerative."

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper :—

From Lieutenant-Colonel A. W. SMART, R.E., Superintending Engineer on Special Duty, Cauvery Completion Estimates, to the Chief Engineer for Irrigation, dated Tanjore, 31st May 1897, No. 437.

With reference to paragraph 2 of G.O., No. 443 I., dated 11th May 1897, I have the honour to state that in 1891-92 the second crops irrigation under Cauvery below the regulators was 50,256 acres and under Vennar 25,973, or in the proportion of 2 to 1 nearly, whilst the areas of single crops are—Cauvery 447,923, Vennar 408,010, or in the proportion of 1.1 to 1. I attribute the smallness of the second crops area on the Vennar side principally to the fact that the full supply of the Vennar is taken at 2 cubic yards per hour per acre, whilst that of the Cauvery is 3 cubic yards. At present $4\frac{1}{2}$ feet on the rear gauge at the regulator Cauvery gives full supply to that river, whilst to give 2 cubic yards to the Vennar the rear gauge must read $7\frac{1}{2}$, and to give 3 cubic yards the gauge must be raised to 9 feet; the zeros of the gauges are at the same level. I anticipate an increase in the second crops irrigation of the Vennar, provided we equalize the rate of supply of the two rivers; and this can only be done now by increasing the command above the regulators. At present the top of falling shutters is 7.25 above floor of regulators; the top of new iron shutters will be 9.67 above the same level, or an increased command of 2.42 feet.

The Cauvery at present gets much more than its fair share of water not only from the head, but in that the areas under the Manyar and Palavar which receive supplemental supplies from the Coleroon are included in the areas irrigated by the Cauvery. The single crops land planted out in September, October, November, is largely dependent on the north-east monsoon and hence the areas of single crops under the two rivers being nearly equal, the supply in the two cases is more fairly equal. It was originally thought, I believe, that the Vennar side received more drainage than the Cauvery side; but this is a mistake. On the Cauvery side there is a supplemental supply as stated above; on the Vennar there is none. If the equalization of the rates of supply increases the second crops irrigation of the Vennar by 10,000 acres, the extra revenue would be about Rs. 30,000; this would amply justify the expenditure proposed, viz., Rs. 1,29,200.

2. I would wish, however, to point out that, though the new Upper anicut will increase the supply of the Cauvery in small freshes, and the new shutters of the Grand anicut will increase the supply of the Vennar, what is wanted to largely increase the second crops irrigation under both the rivers, and therefore the revenue, is an increased supply which is not now available during the months of August, September, October. This can only be given by the construction of the proposed Bhavani reservoir now under investigation.

ORDER—No. 593 I., dated 30th June 1897.

With reference to the concluding paragraph of the foregoing letter, the Government considers that the estimate sanctioned by the Government of India in its letter, No. 113 I., dated 12th April 1897, printed in Proceedings of Madras Government, No. 443 I., dated 11th May 1897, should be classified as "unremunerative."

2. Ordered that a copy of these Proceedings be forwarded to the Government of India, with a request that the classification of the work—"Fitting lift shutters to the Grand anicut, Cauvery delta system"—may be altered from "remunerative" to "unremunerative."

[Here enter No. 594 I., dated 30th June 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" Superintending Engineer on Special Duty, Cauvery Completion Estimates.
" Examiner, Public Works Accounts.

ENDORSEMENT—No. 594 I., dated 30th June 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

X. *RE*
Re-classification of estimate for fitting lift shutters
to the Grand Anicut - Canvey Delta system.

UNDER date the

READ the following

From Supp Inf on special duty, C. C. Estimates,
grd *No. 437 of 31 May 197*

To: 593 of 30. 694
with reference

to the concluding para
of the foregoing letter,
the Govt considers
that the estimate
sanctioned by the
Govt of India in
its letter No. 113 I, of
12 April 197, printed
in P. W. L. 443 I,
of 11 May 197, should
be classified as
"unremunerative".

2. Ordered that
a copy of these Procs.
be forwarded to the
Govt of India with
a request that the

J.B.
sub
S.S.

Issue

W.H.

25.6.97

1

classification of the
work, "fitting lift shutters
to the Grand ancient,
Canary Delta System,"
may be altered from
"enumerative" to "in-
enumerative".

Indorsement No: 594 1830.697

Forwarded.

W.H.

9/6
87.

W.H.

9.6.97

To the Chief Eng for I. 2 9/8/97
Sup Eng V
O. on special duty
C.C.R.
E. J. W. R.

Recd
5/6/97

Public Works (1897) Department.

CURRENT No. 6300

Order

From

Lt. Col. A. W. Smart R.E.
Superintending Engineer
on special duty
Tanjore.

No. 437

Dated 31st May 1897.

Received 2.6.97
Right: 29.6.97
Enclosures

Spare copies

SUBJECT.

Explains the reasons under
which the Estimate for
fitting lift shutters to the
Grand ancient may be
classified as enumerative.

Explains what increase of
irrigation may be expected
with reference to the classification
of the est. for fitting lift shutters
to the Grand ancient.

Paper

Recd
7/6/97

14/6/97

BACK PAPERS.

G.O.	No.	Department.	Date.
K	2969	of	11.5.97

FURTHER PAPERS.

G.O.	No.	Department.	Date.
K	68	72	83-697

N^o 437

Office of the Superintending Engineer
Cauvery Completion Estimates
Tanjore dated 31st May 1897.
Despt 1st June

From

Lt. Col. A. W. Smart R.E. IP
Superintending Engineer & duty
Tanjore.

To

The Chief Engineer
for Irrigation
Madras.

Sir,

With reference to para 2 of
G. O. N^o 443. I dated 11th May 1897, I
have the honour to state that in 1891-92
the second crops irrigation under Cauvery
below the regulators was 50,256 acres
and under Vennar . . . 25,973
or in the proportion of 2 to 1 nearly, whilst
the areas of single crops are

Cauvery 447,923

Vennar 408,010 or

in the proportion of 1.1 to 1. I attribute
the smallness of the 2nd crops area on
the Vennar side principally to the fact
that the full supply of the Vennar is
taken at 2 c. yds per hour per acre whilst
that of the Cauvery is 3 c. yds. At present
4 1/2 ft on the rear ^{gauge} gauge at the regulator
Cauvery

Canvery gives full supply to that river, whilst to give 2 c. yds to the Vennar the rear ^{gauge} gauge must read $7\frac{1}{2}$, and to give 3 c. yds the gauge must be raised to 9 ft., the zeros of the ^{gauge} gauges are at the same level. I anticipate an increase in the 2nd crops irrigation of the Vennar provided we equalise the rate of supply of the two rivers and this can only be done now by increasing the command above the regulators. At present the top of falling Shutter is 7.25 above floor of regulators, the top of new iron Shutter will be 9.67 above the same level or an increased command of 2.42 ft.

The Canvery at present gets much more than its fair share of water not only from the head but in that the areas under the Manyar and Palavar which receive Supplemental Supplies from the Coleroon are included in the areas irrigated by the Canvery. The single crops land planted out in September October November is largely dependent on the North East monsoon and hence the areas of single crops under the two rivers being nearly equal, the supply in the two cases is more fairly equal. It was originally thought,

I believe, that the Vennar side received more drainage than the Canvery side but this ~~is~~ ^{is} ~~believe to be~~ a mistake. On the Canvery side there is a Supplemental supply as stated above, on the Vennar there is none. If the equalisation of the rates of supply increased the 2nd crops irrigation of the Vennar by 10,000 acres the extra revenue would be about Rs 30,000, this would amply justify the expenditure proposed - viz ^{129,000} Rs 1,05,000 Rs.

2. I would wish however to point out that though the new upper anicut will increase the supply of the Canvery in small freshes, and the new Shutter of the Grand anicut will increase the supply of the Vennar what is wanted to largely increase the 2nd crops irrigation under both the rivers, and therefore the revenue, is an increased supply which is not now available during the months of August, September October. This can only be given by the construction of the proposed Bhawani reservoir now under investigation.

I have the honour to be,
Sir

Your most obedient servant

for and Lt Col R R
Superintending Engineer
on spl duty.

CHIEF ENGINEER
FOR IRRIGATION
2-JUN-1897
No. 06579

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