

(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.	1971	Press
~~B.P.~~ No.		Mis.:
Dated	2-8-	1876 195-

Not to be folded or roughly handled

✓ No. 51. Read the following Proceedings of the Madras Government in the Revenue Department, dated 19th May 1876, No. 646.

ABSTRACT.—*Striviguntum Anicut in the Tinnevely District.*—Communicating to the Public Works Department, Proceedings of the Board of Revenue furnishing the information required by Government regarding the —, and awaiting the further report called for by the Board on certain points connected with the subject.

No. 51-A. From J. D. GRANT, Esq., Officiating District Engineer, Tinnevely, to Lieut.-Colonel. J. MULLINS, R.E., Chief Engineer for Irrigation, dated Palamcottah, 14th June 1876, No. 46.

REFERRING to paragraph 2 of my letter, No. 23, of 26th April 1876, I have the honor to forward the statement of irrigation under the Striviguntum anicut corrected with reference to fasli and year.

No. 100-W.

No. 51-B. *Note by the Chief Engineer for Irrigation.*

IN Proceedings of the Madras Government, 1st October 1875, orders were passed on certain information regarding the cost of, and the returns from the Striviguntum anicut project, which had been asked for by the Government of India, and in the 5th paragraph of the note submitted by this office it was mentioned that in Proceedings of the Madras Government, Revenue Department, No. 1,085, of the 19th July 1875, it was shown that the recent settlement made in connection with that project gave as the actual results an increase of revenue under the south main channel of Rupees 45,784. With the Proceedings of the Board of Revenue, No. 2,014, of the 19th July 1875, were transmitted to this office channel registers which were forwarded to the District Engineer, Tinnevely, for the purpose of division into suitable and permanent subsections, with a view to the exhibition of the revenue information for successive years in the same manner so that the general features of the irrigation and revenue of different subsections might be compared from time to time.

2. Owing to a misapprehension a mistake was made by the District Engineer as to the fasli corresponding to the date, the beginning of 1870-71, from which the anicut was to be considered to come into operation. Fasli 1281 instead of Fasli 1280 being taken, and the statement abstracted by the District Engineer had therefore to be revised so as to include Fasli 1280 in the period since the works come into operation, instead of in that prior to that event.

The results shown by him were as follow :—

• Faslis 1281 and 1282.	Average cultivation, Acres...	Fasli 1274 to	Succeeding to
		Fasli 1280.	Years. •
		19,542	19,206
	„ Revenue, Rupees...	1,18,852	1,17,576

and these results differing widely from those before given and submitted to the Government of India, the Board of Revenue were addressed before laying the papers before Government, and in their Proceedings, No. 734, of the 14th March 1876, explanation is given of the difference between the increase of Rupees 45,784 above referred to, and the decrease of Rupees 2,416 brought out by the District Engineer from the channel registers furnished by the Board. It appears necessary to consider

*Proceedings of the Madras Government, Public Works Department,
2nd August 1876. No. 1,971.*

that the information given in Proceedings of the Madras Government, Revenue Department, No. 1,085, of the 19th July 1875, should be taken as showing the increase of revenue of Fasli 1284 above that of Fasli 1279, and as this latter year is only one of several years from which the standard revenue has to be determined, this increase is a fact of little importance in considering the results of the works.

3. The subsections, which take the place of canals in the Northern Deltas, chosen by the District Engineer, appear to be appropriate except that No. 9, Tuticorin water-supply channel, on the northern side should not come into the revenue statements, the receipts being credited under a different head.

4. The Board of Revenue have in their Proceedings, No. 733, of the 14th March 1876, reviewed a report by the Acting Collector of Tinnevely, submitting revenue statements for the Striviguntum anicut. The result shown having been abstracted with Fasli 1280 included in the period prior to the anicut coming into operation require to be somewhat modified, and the abstract given in paragraph 2 of the Board's Proceedings will then become—

Periods.	North side.	South side.	Total gross Revenue.
Average of 14 years up to Fasli 1279 (1869-70)	Rs.	Rs.	Rs.
" 7 do. do. do. do.	...	...	1,17,179
" 7 do. do. do. do.	...	...	1,19,834
Revenue of Fasli 1280 (1870-71)...	...	...	1,14,245
" " " 1281 (1871-72)...	...	...	1,33,333
" " " 1282 (1872-73)...	58,263	75,070	1,01,724
" " " 1283 (1873-74)...	42,126	59,598	1,40,166
" " " 1284 (1874-75)...	63,029	91,602	1,54,631

Taking the standard of gross revenue derived from the longer period, which for a river liable to great fluctuations appears to be none too long, the results for the five years will be as follows :—

	Increase.	Decrease.
	RS.	RS.
1870-71	...	2,934
1871-72	16,154	...
1872-73	...	15,455
1873-74	22,987	...
1874-75	37,452	...
	76,593	18,389
Increase of five years	58,204	...
Average yearly	11,641	...

It does not appear to be of use to compare gross revenue with expenditure.

5. The District Engineer has since forwarded a revised abstract statement of the channel registers, showing the revenue from 1274 to 1279 inclusive and in subsequent years as follows :—

1864-65 to 1869-70.

*Proceedings of the Madras Government, Public Works Department,
2nd August 1876. No. 1,971.*

		FASLIS 1274 TO 1279.		FASLIS 1280 TO 1282.	
		Acres.	Revenue.	Acres.	Revenue.
North side	...	7,810	RS. 49,962	7,437	RS. 48,114
South side	...	11,923	69,658	11,605	68,319
		19,733	1,19,620	19,042	1,16,433

showing a decrease in the later period of—

Acres 691

Rupees 3,187

above (paragraph 2) when the later period commenced one year later the decrease was—

Acres 336

Rupees 1,276

• Vide paragraph 4 above.

Again, if the average of fourteen* years up to Fasli 1279 be taken the results are—

	Average of 14 years to 1279.	Average 1280 to 1282.	Decrease.
	RS.	RS.	RS.
Revenue...	1,17,179	1,16,433	746

Vide paragraph 4 above.

and if the average of seven years to Fasli 1279 be the standard

	Average of 7 years to 1279.	Average 1280 to 1282.	Decrease.
	RS.	RS.	RS.
Revenue...	1,19,834	1,16,433	3,401

while the Sheristadar's statement shows an increase up to 1282 of Rupees 994, which does not agree with any of the above results.

Proceedings, Madras Government, 20th May 1876, No. 1,268.

6. It appears to be necessary—

1st, that the period from which the standard revenue for comparison is to be fixed should be definitively settled, and it will be noticed that Fasli 1279 and not Fasli 1280, as in the Sheristadar's statement, will be the last year of the period prior to the anicut works coming into operation.

2ndly, that measures should be taken for preparing a correct channel register under the several subsections given in the accompanying statement, but omitting the Tuticorin town supply channel, from Fasli 1280 inclusive. The totals for each year will be the amounts to be included in the Capital and Revenue Accounts as gross revenue.

7. It may be mentioned here that the ascertainment of net revenue will be attended with some practical difficulties. It has recently come to notice that some of the tanks which have been brought into connection with the Striviguntum anicut system were in a very dilapidated state in Fasli 1280, and that a large expenditure will have to be incurred to render them efficient. It is, the undersigned thinks, evident that if the cost of repair of dilapidations which had occurred prior to 1280

Proceedings of the Madras Government, Public Works Department,
2nd August 1876. No. 1,971.

be made a charge against the system an erroneous account of the results of the expenditure on the works will be obtained. Work needing to be done before the anicut system came into operation ought properly to form a deduction from the standard gross revenue, and not from the revenue of the anicut system, and it will be seen that every Rupee so spent, if charged to the latter, will decrease the net returns, from 1280 inclusive, by two Rupees. The undersigned has instructed the District Engineer, in submitting a revised estimate for the Aramugamungalum tank, to afford such information as will enable Government to pass orders on the subject, and the decision in that case will determine how all similar cases should be dealt with.

OOTACAMUND,
15th July 1876.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 52. ORDER THEREON, 2nd August 1876, No. 1,971.

IRRIGATION, No. 8.

THESE Proceedings will be communicated to the Revenue Department in order that the period from which the standard revenue for comparison with the revenue obtained under the Striviguntum anicut may be authoritatively settled, and that correct channel registers for Fasli 1280 and subsequent Faslis may be prepared.

2. Orders will be passed on the question raised in paragraph 7 of the Note by the Chief Engineer for Irrigation, when the particulars of a specific case are laid before Government.

(True Extract.)

Colonel,

Offg. Under Secy. to Govt., P.W.D.

To the Revenue Department.

- " District Engineer, Tinnevely.
- " Chief Engineer for Irrigation.
- " Examiner of Public Works Accounts

Exd. W. H. French.
Spare Copies

OFFICE OF CHIEF ENGINEER FOR IRRIGATION,

Ootacamund,
Fort St. George, 15th July, 1876.

Note by the Chief Engineer for Irrigation.

Encls. 3.

In O. M. B. 1st October 1875, orders were passed on certain information regarding the cost of and the return from the Striviguntum anicut project, which had been asked for by the Government of India, and in the 5th para of the note submitted by this office it was mentioned that in O. M. B. O. D. No. 1085 of the 19th July 1875 it was shown that the recent settlement made in connection with that project gave as the actual results an increase of revenue under the south main channel of Rupees 45,784. With the Proceedings of the Board of Revenue, No. 2014 of the 19th July 1875, were transmitted to this office channel registers which were forwarded to the District Engineer

Ultimately, for the purpose of division into suitable and permanent embellishments, with a view to the exhibition of the revenue information for successive years in the same manner as that the general features of the irrigation and revenue of different embellishments might be compared from time to time.

2. Owing to a misapprehension and mistake was made by the District Engineer as to the July corresponding to the date. The beginning of 1870-71 - from which the amount was to be considered to come into operation. July 1281 instead of July 1280 being taken and the statement abstracted by the District Engineer had therefore to be revised so as to include July 1280 in the period since the works came into operation, instead of in that prior to that event.

The results shown by him were as follow

	July 1274 to July 1280	Succeeding years
Average cultivation, acres	19,542	19,206
revenue - Rupees	118,852	117,576

and these results differing widely from those before given and submitted to the Government of India, the Board of Revenue were addressed before laying the papers before Government and in their Proceeding No. 734 of the 14th March 1876 explanation is given of the difference between the increase of Rupees 45,784 above referred to and the decrease of Rupees 2,416 brought out by the District Engineer from the channel registers furnished by the Board. It appears necessary to consider that the information given in P. M. G. R. D. No. 1085 of the 19th July 1875 should be taken as showing the increase of revenue of July 1284 above that of July 1279, and as this latter year is only

Ultimately, for the purpose of division into suitable and permanent sub-sections, with a view to the exhibition of the revenue information for successive years in the same manner so that the general features of the irrigation and revenue of different sub-sections might be compared from time to time.

2. Owing to a misapprehension and mistake was made by the District Engineer as to the July corresponding to the date - the beginning of 1870-71 - from which the ament was to be considered to come into operation. July 1281 instead of July 1280 being taken and the statement abstracted by the District Engineer had therefore to be revised so as to include July 1280 in the period since the works came into operation, instead of in that prior to that event.

4
The results shown by him were as follow:

	July 1274 to July 1280	Succeeding years
Average cultivation, acres	19,542	19,206
revenue - Rupees	1,18,852	1,17,576

and these results differing widely from those before given and submitted to the Government of India, the Board of Revenue were addressed before laying the papers before Government and in their Proceedings No. 734 of the 14th March 1876 explanation is given of the difference between the increase of Rupees 45,784 above referred to and the decrease of Rupees 2,416 brought out by the District Engineer from the channel registers furnished by the Board. It appears necessary to consider that the information given in P.M.S. R. D. No. 1085 of the 19th July 1875 should be taken as showing the increase of revenue of July 1284 above that of July 1279, and as this latter year is only

one of several years from which the standard revenue has to be determined, this increase is a fact of little importance in considering the results of the works.

3. The sub-sections, which take the place of canals in the northern deltas, chosen by the District Engineer appear to be appropriate except that No 9 - Intercorin water supply channel on the northern side should not come into the Revenue statements, the receipts being credited under a different head.

4. The Board of Revenue have in their Proceedings No 733 of the 14th March 1876 reviewed a report by the Acting Collector of Simmelly submitting revenue statements for the Shweguntun amount. The result shown having been abstracted with July 1280 included in the period prior to

the ancient coming into operation require to be somewhat modified and the abstract given in para 2 of the Board's Proceedings will then become

Periods	North side	South side	Total gross Revenue
of 14 years up to July 1279 (1869-70) —	—	—	117,179
— 7 - do - " — do - do - —	—	—	1,19,834
of July 1280 (1870-71) —	—	—	1,14,245
— " — " — 1281 (1871-72) —	58,263	75,070	1,33,333
— " — " — 1282 (1872-73) —	42,126	59,598	1,01,724
— " — " — 1283 (1873-74) —	—	—	1,49,166
— " — " — 1284 (1874-75) —	63,029	91,602	1,54,631

Taking the standard of gross revenue derived from the longer period, which for a river liable to great fluctuations appears to be none too long, the results for the 5 years will be as follows.

	Increase	Decrease
1870-71 —	—	27,34
1871-72 —	16,154	—
1872-73 —	—	15,455
1873-74 —	22,987	—
1874-75 —	37,452	—
	76,593	18,389
Increase of 5 years —	58,204	—
Average yearly —	11,641	—

It does not appear to be of use to compare gross revenue with expenditure.

5. The District Engineer has since forwarded a revised abstract statement of the channel registers showing the Revenue from 1274 to 1279 inclusive and in subsequent years as follows.

	From 1274 to 1279		From 1280 to 1282	
	Acres	Revenue	Acres	Revenue
North side-	7,810	49,962	7,437	48,114
South side-	11,923	69,658	11,605	68,319
	19,733	719,620	19,042	1,16,433

showing a decrease in the later period of

acres. 691

Impies. 3,187

above (para 2) when the later period commenced one year later the decrease was

acres. 336

Impies. 1,276

Again, if the average of 14 years up to July 1279 be taken the results

are

average of 14 years to 1279. 117,179. average 1280 to 1282. 116,433. decrease 746.

vide para 4 above and if the average of 7 years to July 1279 be the standard

average of 7 years to 1279. 119,834. average 1280 to 1282. 116,433. decrease 3,401.

while the Sheristadar's statement shows an increase up to 1282 of Impies

9,944, which does not agree with any of the above results.

It appears to be necessary 1st that the period from which the standard revenue for comparison is to be fixed should be definitively settled and it will be noticed that July 1279; and not July 1280 as in the Sheristadar's statement will be the last year of the period prior to the ancient works coming into operation.

2ndly that measures should be taken for preparing a correct channel register under the several subsections.

given in the accompanying statement, but omitting the Intercorin town supply channel, from July 1280 inclusive. The totals for each year will be the amounts to be included in the Capital and Revenue accounts as gross revenue.

It may be mentioned here that the ascertainment of net revenue will be attended with some practical difficulties. It has recently come to notice that some of the Tanks which have been brought into connection with the Striv-
guntam Aricut system were in a very dilapidated state in July 1280, and that a large expenditure will have to be incurred to render them efficient. It is, the undersigned thinks, evident that if the cost of repair of dilapidations which had occurred prior to 1280 be made a charge against the system an erroneous account of the results of the expenditure on the works will be obtained. Works needing to be done before the aricut

system came into operation ought properly to form a deduction from the standard gross revenue, and not from the revenue of the aricut system, and it will be seen that every Rupee so spent, if charged to the latter, will decrease the net returns from 1280 inclusive by two Rupees. The undersigned has instructed the District Engineer in submitting a revised estimate for the Aramungamungalam Tank, to afford such information as will enable Government to pass orders on the subject, and the decision in that case will determine how all similar cases should be dealt with.

Wm. L. L. S. Colonel C. B.
Chief Engineer for Irrigation

Y
The Secretary to Govt P.W.D.

From

The Chief Engineer for Irrigation,

To

The Secretary to Government,

Public Works Department.

Dated

Despatched

Received

1876.

ENCLOSURE 3

No. 100-W.

Subject.

Note regarding the cost
of & return from the
Stiriguntum amount Rs.
per.

51 B-

Recd. 28.7.76 P.W.D. 2-8-76
Despt. to Govt 26.7.76
Cir. 21.7.76 P.W.D. 24.7.76
A.L. Street 24.7.76

No. 1971
Public Works Department.
PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 2. July 1876.

READ the following:-

Ops: Rev. Dept. N.E. No. 846 of 17. May 76
Note by the Chief Engineer for Irrigation
N. 100 W. dated 15th July 1876.

These Proceedings
will be communicated
to the Revenue De-
partment in order that
the period from which
the standard revenue
for comparison with
the revenue obtained
under the Stiriguntum
amount may be authorita-
tively settled and that
correct channel registers
for July 1280 and sub-
sequent Enolis may be
prepared.

List of Rs. put up -
N. 16 March 76 by N. 844
17 Jan 74 - 115
23 March - 791
Egme 74 - 1498 + 1499
13 Nov - 3219
16 Nov - 3281
22 July 75 - 2885
27 July - 2178
11 Sept. - 70
1 Oct. - 2881 + 2882
29 Jan 76 - 240
13 March - 448
1 May - 1087
20 May - 1268

2. Orders will be passed on the question raised in para 7 of the note by the Chief Engineer for Navigation, when the particulars of a specific case are laid before Government.

17/2

Recd Sept ✓
D. E. Dunsinville ✓
C. E. for J. L. Lott ✓
En. P. L. Lott ✓
Sept 16/87

1200
1876
G.O. of 1876 Madras.

PUBLIC WORKS.

The Revenue Department

Date

Issued

Recd

Encl.

G. O. of August 1876, No.

1971

No. 51-652---

Strengthening Ancient
Project. Sincerely

Papers on the subject of
the cost of, and return
from, the —, commd
to the Revenue Dept
with remarks.

Let. in Reg.
17-8-76

Depd 18/8/76