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MADRAS RECORD OFFICE.

Government of Madras.

Revenue.

DEPARTMENT.

G.O. No. 219.

Press
~~Mis.~~

Dated 2. 2.

1871.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
2nd February 1871.*

No. 26. Read the following Proceedings of the Board of Revenue, dated 20th January 1871, No. 277 :—

Read the following letter from the Acting Director of Revenue Settlement, to the Acting Secretary to the Board of Revenue, dated Madras, 10th December 1870, No. 2,112-74.

In forwarding the accompanying copy of a letter and memorandum from Mr. Rundall, regarding certain modifications which were subsequently found necessary to be made in the Sungum project details, I have the honour to submit the figures as amended by Mr. Rundall in communication with Mr. Smith. A comparison between the details as now amended and those given in my letter to the Board, dated 23rd September 1870,* shows a decrease in the anticipated returns of Rs. 7,734; but as the Board allowed a margin of Rs. 21,250 in calculating the remissions as an asset, the final financial aspect of the project appears to be left unchanged.

<i>As originally furnished.</i>			<i>As amended.</i>		
	RS.			RS.	
Probable assessment on 88,000 acres, at Rs. 5½ per acre ...	4,84,000		Probable assessment on 85,146 acres, at Rs. 5½ per acre ...	4,68,303	
<i>Deduct—</i>			<i>Deduct—</i>		
Present occupied wet area, 57,000 acres, on which the proposed new assessment will average Rs. 5 ...	2,85,000	} 2,96,000	Present occupied wet area, 54,172 acres, on which the proposed new assessment will average Rs. 5-1-0 ...	2,75,716	} 2,85,716
By assessment of present occupied dry area likely to be converted into wet ...	11,000		By assessment of present occupied dry area likely to be converted into wet ...	10,000	
	1,88,000			1,82,587	
Add cessation of remissions...	71,250		Add cessation of remissions...	68,929	
Total...	2,59,250		Total...	2,51,516	

Difference, Rs. 7,734.

*Proceedings of the Madras Government, Revenue Department,
2nd February 1871.*

ENCLOSURE No. 1.

From the Deputy-Director, to the Acting Director of Revenue Settlement, dated Nellore, 1st December 1870, No. 504-198.

I HAVE the honour to inform you, with reference to my memorandum, dated 7th September, that I find the Sungum scheme as modified to include only 52 and not 53 villages as therein contemplated. I had not, as mentioned in the memorandum, the paper relating to the Sungum project before me when I drew it up, and I now find additional explanation to be necessary in respect of the area and assessment of the tract of wet land as taken by Mr. Smith. The amendment of the details I formerly gave modifies slightly the results as calculated in your letter of the 23rd September, No. 1,558-46, recorded with the Board's Proceedings of the 1st November, No. 6,421. A further memorandum is, therefore, now submitted, and I regret that I did not notice the omissions in some respects in the first instance.

MEMORANDUM.

In the original Sungum scheme (paragraph 108) the details as to area and assessment are taken from the statements furnished by the Collector under date 28th May 1869, and refer to the season of 1868-69. The occupation is 55,620 acres, assessed at Rs. 2,29,620, of which 39,662 acres, assessed at Rs. 1,63,116, are shown to have been cultivated. The Inam area is rendered as 8,028 acres, of which 6,056 only were cultivated.

2. In the modified scheme (paragraphs 62 to 66) the details in the above respects are taken from a statement furnished by the Collector, under date 15th August 1868, as regards 68 separate Government villages. As surveyed and now arranged, these 68 villages comprise only 54 villages.

1. Panchedu.
2. Nagamambapuram.
3. Bhattaru Kagolla.

Three villages are, however, inadvertently omitted from the Collector's list, and as detailed in the margin, the first two fall within the revised scheme, but the third does not. Of the 54 villages as surveyed, only 48 are retained under the modified scheme, the six villages excluded being those marginally enumerated. There are as well two other villages to be added under the

1. Kottapally Kanirugunta.
2. Graddagunta.
3. Amulur (North.)
4. Dagadarti Tadakalur.
5. Tiramerla.
6. Peddaputtadu.

Duvoni reservoir—Vangallu and Kaligirikondur. The actual number will be thus $54 - 6 = 48 + 2 + 2 = 52$ villages. One village, Amulur, which has been excluded, and another, Mopur, which has been included, are only in part irrigable under the project, and for the purpose of calculation one village has therefore been retained and one omitted.

3. The cultivation of the 54 surveyed villages (68 by the Collector's list) is taken by Mr. Smith at 55,366 acres, and the average assessment thereon Rs. 1,90,406. The deduction on account of the villages excluded Mr. Smith puts down at 4,179 acres and assessment Rs. 14,670, and thus reduces the first-mentioned area and assessment to 51,187 acres and Rs. 1,75,736.

The result should apparently be as follows:—

	Area.	Assessment.
	ACRES.	RS.
Total 54 villages	55,366	1,90,406
Deduct for 6 villages excluded ...	4,179	12,427
Remainder...	51,187	1,77,979

4. It must be remarked that the above amount represents the average total assessment, and is not applicable as the assessment of the acreage specified. The heading of the column explains the item to be "the amount of revenue raised by cultivation on dry and wet lands, on pasturage

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2nd February 1871.*

"and jungle, on the average for the last five years." The average wet assessment realized on the wet area required to be taken as a basis, not the total assessment of the villages concerned. Moreover, the 51,187 acres appertain to 48 villages, whilst the project comprises, as amended, 25 villages.

5. The Settlement accounts show the occupied wet area of the 52 villages to comprise 53,346

52 VILLAGES.					Realized wet assessment.
Years.					RS.
1865-66...	...	...	...	...	1,55,198
1866-67...	...	...	...	...	1,92,488
1867-68...	...	...	...	...	1,41,102
1868-69...	...	...	...	...	1,52,172
1869-70...	...	...	...	...	1,93,505
Average...					1,66,893

acres, assessed at Rs. 2,18,356 according to the details for the revenue year 1866-67. The revenue realized varies, much according to the season, and the marginal statement exemplifies this, and furnishes details as to the actual collections under wet assessment during the past five years as regards the 52 villages. The realized revenue on the wet area throughout the 52 villages has as well been ascertained to amount to 78 per cent. on the average during the past eleven years, 1859-60 to 1869-70. It is perhaps desirable to take the per-centage in round numbers at 75 per cent., or three-fourths of the total assessment. The assessment on the 53,346 acres has been shown

Average of 48 villages	...	...	...	RS.
Do. of 4 do.	...	...	...	1,57,454
				9,439

to be Rs. 2,18,356, which, reduced to the extent of one-fourth, becomes 2,18,356 — 54,589 = 163,767 Rs. This amount conforms closely with the average realized assessment of five years, Rs. 1,66,893.

6. Of the wet assessed area, 53,346 acres, 320 have on inquiry been found to be unirrigable and have been adjusted to dry; and 1,166 acres, being irrigable and mostly under wet crops and paying water-rate, have been added to the wet assessed area, which has been thus adjusted at 54,172 acres.

7. As already explained, Mr. Smith specifies the Inam land classed as wet at 8,028 acres by Mr. Dykes's statement; but instead of deducting the item at that amount, has taken only the cultivated portion of the same, or 6,056 acres. The Inam land classed as wet in the 52 villages has now been separately calculated, and amounts to 8,854 acres.

8. The estimated results as regards the project needs therefore to be amended as follows. The area to be irrigated under the project is set down as 94,000 acres, from which, if the Inam area, 8,854 acres, be deducted, 85,146 acres will remain:—

Probable assessment on 85,146 acres, at Rs. 5½ per acre	4,68,303
Deduct—	
Present occupied area, 54,172 acres, assessed at the proposed rates, at an average of Rs. 5-1-0 per acre... ..	2,75,716
Dry assessment of present occupied area likely to be converted into wet	10,000
	1,82,587

Add 25 per cent., the acreage yearly remission now being made on the total wet assessment which will be saved under the improved irrigation, namely, the difference between the total demand on the occupied wet area and the assessment realized

Total... 2,51,516

9. The area assumed to be converted from dry to wet has been taken at 10,000 acres instead of 11,000 acres, as the total dry occupied area of the 52 villages is only 19,646 acres, or less than the area formerly estimated, owing to a greater number of villages being then considered.

*Proceedings of the Madras Government, Revenue Department,
2nd February 1871.*

10. The proposed new assessment according to the existing sources of irrigation is as below specified, and shows how the above average of Rs. 5-1-0 has been arrived at. It applies only to the area in occupation :—

Class of irrigation.	Area.	Assessment.	Average rate per acre.
	ACRES.	RS.	RS. A. P.
II. Class... ..	25,050	1,37,710	5 11 0
III. „	25,378	1,22,807	4 13 0
IV. „	3,744	15,199	4 1 0
Total...	54,172	2,75,716	5 1 0

11. The following statement shows the result of applying the rates proposed for the Nellore Anicut villages to the 52 villages under the project :—

ASSESSMENT AT PROPOSED 1st CLASS RATES.								
OCCUPIED AREA.			UNOCCUPIED AREA.			TOTAL.		
Area.	Assessment.	Average rate.	Area.	Assessment.	Average rate.	Area.	Assessment.	Average rate.
ACRES.	RS.	RS. A. P.	ACRES.	RS.	RS. A. P.	ACRES.	RS.	
54,172	3,15,518	5 13 0	10,279	47,878	4 11 0	64,451	3,63,396	5 10 0

12. The wet assessed area under the amended project is 64,451 acres, and the area of the tanks to be abandoned and given up for cultivation 6,913* acres, total 71,364 acres; and deduct this area from the 85,146 acres there

* Memorandum, 22nd April 1870, paragraph 74.

remains, therefore, to be converted from dry to wet only 13,782 acres. Assuming, as before, half the present dry area in occupation to be converted to wet, provision is made for extending irrigation to merely about 3,782 acres of immemorial waste. The above appears a very moderate estimate of the capabilities of the very extensive irrigation works it is proposed to construct. It has to be borne in mind that a considerable proportion of the cultivation is Valiguda, for which the light loamy soils are favourable and the supply of water needed is rather moderate. Under Valiguda cultivation the land is ploughed dry, and the seed is sown broadcast or drilled, and much water is not used for the first two months. It is probable, therefore, that the contemplated supply will suffice for a greater area than has been estimated.

NELLORE,
1st December 1870.

(Signed) C. RUNDALL,
Deputy-Director of Revenue Settlement.

SUBMITTED for the information of Government, with reference to Board's Proceedings, 1st November 1870, No. 6,421, (Government Order, 14th November 1870, No. 1,786).

2. The figures given by the Director need modification, but the estimate of increase of revenue adopted by the Board still seems to be safe.

*Proceedings of the Madras Government, Revenue Department,
2nd February 1871.*

No. 27. ORDER THEREON, 2nd February 1871, No. 219.

Irrigation, No. 1.

COMMUNICATED to the Public Works Department, in continuation of the Order, dated 14th November 1870, No. 1,786.

(True Extract.)

(Signed) CHAS. MACLEAN,
Acting Under-Secretary to Government.

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

Exd. F. R. Bantleman.

REVENUE
 No. 28-27
 C. G. and M. B. 1871, No. 219.

No. 277.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 20th January 1871.

Read the following letter from G. BANBURY, Esq., Acting Director of Revenue Settlement, to the Acting Secretary to the Board of Revenue, dated Madras, 10th December 1870, No. 2,112-74:—

In forwarding the accompanying copy of a letter and memorandum from Mr. Rundall regarding certain modifications which were subsequently found necessary to be made in the Sungum project details, I have the honour to submit the figures as amended by Mr. Rundall in communication with Mr. Smith. A comparison between the details as now amended and those given in my letter to the Board, dated 23rd September 1870,* shows a decrease in the anticipated returns of Rupees 7,734; but, as the * Comprised in Board's Proceedings, dated 1st November 1870. allowed a margin of Rupees 21,250 in calculating the remissions as an asset, the financial aspect of the project appears to be left unchanged.

As originally furnished.		As amended.	
	RS.		RS.
Probable assessment on 88,000 acres, at Rupees 5½ per acre	4,84,000	Probable assessment on 85,146 acres, at Rupees 5½ per acre	4,68,303
Deduct—		Deduct—	
Present occupied wet area, 57,000 acres, on which the proposed new assessment will average Rupees 5	2,85,000	Present occupied wet area, 54,172 acres, on which the proposed new assessment will average Rupees 5-1-0	2,75,716
By assessment of present occupied dry area likely to be converted into wet	11,000	By assessment of present occupied dry area likely to be converted into wet	10,000
	1,88,000		1,82,587
Add cessation of remissions...	71,250	Add cessation of remissions...	68,929
Total...	2,59,250	Total...	2,51,516

Difference, Rupees 7,734.

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I HAVE the honour to inform you, with reference to my memorandum, dated 7th September, that I find the Sungum scheme as modified to include only 52 and not 58 villages as therein contemplated. I had not, as mentioned in the memorandum, the paper relating to the Sungum

project before me when I drew it up, and I now find additional explanation to be necessary in respect to the area and assessment of the tract of wet land as taken by Mr. Smith. The amendment of the details I formerly gave modifies slightly the results as calculated in your letter of the 23rd September, No. 1,553-46, recorded with the Board's Proceedings of the 1st November, No. 6,421. A further memorandum is, therefore, now submitted, and I regret that I did not notice the omissions in some respects in the first instance.

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MEMORANDUM.

In the original Sungum scheme (paragraph 108) the details as to area and assessment are taken from the statements furnished by the Collector under date 28th May 1869, and refer to the season of 1868-69. The occupation is 55,620 acres, assessed at Rupees 2,29,620, of which 39,662 acres, assessed at Rupees 1,63,116, are shown to have been cultivated. The inam area is rendered as 8,028 acres, of which 6,056 only were cultivated.

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5. Tirumoria.
6. Reddappute.

Three villages are, however, inadvertently omitted from the Collector's list, and, as detailed in the margin, the first two fall within the revised scheme but the third does not. Of the 54 villages as surveyed, only 48 are retained under the modified scheme, the six villages excluded being those marginally enumerated. There

are as well two other villages to be added under the Duvoni reservoir, Vangallu, and Kaligiri-

kondur. The actual number will be thus $54 - 6 = 48 + 2 + 2 = 52$ villages. One village, Amulur, which has been excluded, and another, Mopur, which has been included, are only in part irrigable under the project, and for the purpose of calculation one village has, therefore, been retained and one omitted.

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ASSESSMENT AT PROPOSED 1ST CLASS RATES.								
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Area.	Assessment.	Average rate.	Area.	Assessment.	Average rate.	Area.	Assessment.	Average rate.
ACRES.	RS.	RS. A. P.	ACRES.	RS.	RS. A. P.	ACRES.	RS.	RS. A. P.
54,172	3,15,518	5 13 0	10,279	47,873	4 11 0	64,451	3,63,396	5 10 0

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NELLORE,
December 1870.

(Signed) G. RUNDALL,
Deputy Director of Revenue Settlement.

(True Copy.)

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

SUBMITTED for the information of Government with reference to Board's Proceedings, 1st November 1870, No. 6,421, (Government Order, 14th November 1870, No. 1,786).

2. The figures given by the Director need modification, but the estimate of increase of revenue adopted by the Board still seems to be safe.

(True Copies and Extract.)

J. G. Cole
Acting Secretary.

To the Secretary to Government, Revenue Department.

Copy to the Acting Director of Revenue Settlement.

„ to the Officiating Collector of Nellore.

Exd. A. S. Rodgers.

6th August/70 No: 33 Qd
4 March 6-0-221-222

Recd 1871. *Chit*
Board of Revenue,
MADRAS. *N:285.*

PROCEEDINGS, 20TH JANUARY 1871, No. 277.

Depd 27 Jan 71
Encl

Received 28th

JANUARY.
No. 277.

Sungum Irrigation Works—in Nellore District.—Letter from Director of Revenue Settlement, regarding certain modifications required to be made in his estimate of revenue to be derived from, submitted to Government.

No 219-22 Aug 71

Wm. T. Parker

S

No 219

Commenced
the Public Works Dept

in construction of the road

19th Dec 70. N:285.

22 Feb 71

21. The Ordnance Dept
16. 22 Feb 71