M.R.O. 1—30,000—26-10-59.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 568 Press Mis.

110-111

Dated 5th March 1969

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department, 5th March 1869.

No. 110. Read the following Proceedings of the Madras Government in the Public Works Department :—

Promising to make arrangements for the institution of the professional enquiry necessary to ascertain the extent to which the means of irrigation from the Naranaveram river, in the Madras District, are capable of improvement. (Here enter 20th February 1869, No. 564.)

No. 111. ORDER THEREON, 5th March 1869, No. 568.

Irrigation, No. 2. Ordered to be recorded.

(True Extract.)

Acting Secretary to Government.

Exd. G. A. Turton.

Govt. Press, Madras.

REVENUE.

To

Dated March, 69.

Read.

G. O. [illegible] March 1869, No. 664.

Read.

MADRAS.

Nos. 110-111.

Irrigation from the Naraniveram river.—Order regarding the institution of professional enquiry for its improvement in the Madras District, recorded.

Proceedings of the Madras Government, Public Works Department, 20th February 1869.

No. 536.. Read the following Proceedings of the Board of Revenue, dated 10th December 1868, No. 8,669:—

Read the following letter from the Acting Collector of the Madras District, to the Acting Secretary to the Board of Revenue, dated Sydapet, 5th October 1868, No. 327.

1. I have the honor, with reference to paragraph 20 of my letter, No. 180, dated 2nd June 1868, to lay before the Board a few remarks on the subject of utilizing for irrigation purposes the water of the Naraniveram river, in the Trivellore and Ponneri Talooks.

2. A reference to the map will show that the river has its rise in the Naggery hills of North Arcot, and enters the Madras District about five miles west of Nagalapooram. From thence to the sea the valley of the river is covered with villages, and well supplied with tanks, some of which are fed by channels from the river. The channels, however, are small and incapable of drawing off more than a very limited quantity of the water which passes down during the floods. In its upper course the valley of the river is somewhat contracted, and is bounded at short distances on either bank by high ground or rocky hills, but, eastward from the neighbourhood of Parcapolliem and Arnee, the stream flows through an open flat country, which from that point assumes all the appearance of a regular Delta formation, and presents very great facilities for irrigation.

Trivellore Talook.	
Nagalapooram	Channel.
Pisatloor	do.
Outhoocottah	do.
Vannancooppum	do.
Cacavakam	do.
Tolavadoo	do.
Parthimanycooppum	do.
Athoopakam	do.
Panappakam	do.
Vadamathooray	do.
Valappakam	do.
Ponnery Talook.	
Channambedu	Channel.
Porumbedu	do.
Aranee	do.
Cattoor	do.
Thattanunjee	do.

3. I annex a list* of the channels taken from the river as feeders to tanks now in existence. The first on the list, Nagalapooram, has lately been furnished with a head sluice, and is efficient and in good order. Most of them, however, are small in capacity and unprovided with regulating works.

4. The river, drains only a limited tract of country, and the floods, therefore are, although copious, only of short duration, and an ordinary small tank feeder is but of little use.

5. It is evident from the breadth of the river's bed that a very considerable volume of water passes down it at times, fully sufficient in all ordinary years to irrigate all the land under its influence if properly husbanded. The means of storing the water is ready to hand in the innumerable tanks which exist on either bank. It only requires that they should be repaired, and the river water diverted into them to make a failure of crops a matter of very rare occurrence.

6. It is true that the river depends on local rains, but it must be a very exceptional year indeed, in which a sufficiency of water does not run to waste, which if preserved would secure a crop over a very considerable area. I feel sure the whole valley and delta might be fully watered.

7. I venture to point out the plan of operations, which has occurred to me as likely to lead to good results.

8. The tank at Oothoocottah has a small supply channel from the river near the village of Surutpully. The tank itself occupies a nook in the rocky ground north of the village, to all appearance it might be largely increased in capacity, at a moderate outlay. If the bund were raised, the water would spread over rocky ground of no value.

9. The eastern horn rests on a stony ridge which runs for some miles due east; between that ridge and the river is a fertile flat, covered with tanks, some few of which on the immediate bank of the river are Zemindary and have river channels; those further from the river and lower down the stream are Government, and have no river supply. It struck me that they might all be supplied through the Oothoocottah tank, which might be enlarged if necessary to serve as a reservoir.

10. An anicut near Surutpully would probably be necessary to divert a sufficient supply of water for this purpose, and as the villages of the Calastry Zemindary above alluded to, which cover an area of about 10 square miles on both banks of the river, would to a certain extent suffer by the arrangement, it would probably be necessary to arrange for their supply from the anicut, as well as for the Government lands.

Perundoor.
Panapak.
Cuttiwak.

11. The southern bank of the river has also its tanks, many of which would get water from this anicut, but the valley is more circumscribed there, than on the north.

12. From Pariapolliem, channels are led off to supply the Chinnambedu and Arance tanks, but they are small, and require the aid of sand dams to lead the water into them. An anicut here would supply not only these two tanks, but all the tanks right and left of the river, at least as far as the Trunk Road. Another anicut about Ponneri would lead water into all the tanks between that and the sea.

13. There are many points in connection with this river which seem to render it specially suitable for irrigation purposes :—

1*st*.—It flows on a very high level, the bed being but little depressed below the surrounding country; the supplying channels therefore need not be of any great length, and no deep excavations would be required. The anicuts too would require to be of very moderate height and would cost but little in consequence.

2*nd*.—The formation of the country having apparently the gentle slope towards the sea of all river deltas, is eminently suited for irrigation.

3*rd*.—The soil is generally light, and while yielding but indifferent dry crops, is of a kind which pays well for irrigation.

4*th*.—The country is literally covered with tanks, ready to hand to receive the water whenever a flood may come, and to store it for future use.

14. I beg to enclose two Statements, the one showing the ayacut, cultivation, the available waste, and remission, etc., during the last ten years under the several tanks fed by existing channels led from the Naranaveram river, as also the probable increase of revenue likely to result to Government in those villages to which

those tanks belong; and the other giving the ayacut, cultivation, and probable increase, in villages hitherto unsupplied with river water, but which from their position could be watered under a system of anicuts and channels. A reference to the Statements in question will show that an increase of revenue to the extent of no less than 28,563 Rupees may fairly be expected. It is probable that a much larger increase may be the result, as the dry area likely to be converted into wet has not been fully calculated upon.

15. Since writing the above, I have received a letter* from Mr. Goodchap, Assistant Engineer, bearing on the same subject. Mr. Goodchap shows that an anicut above Annamanaicuncooppum would water twenty-three villages, and reports that the villagers are most anxious for a supply of river water. The sites indicated by me have been selected very much at random. My object in addressing the Board has been to draw attention to the capabilities for improvement, which exist in the valley of the Naranaveram river, with the hope that the locality may be examined professionally by those competent to judge on the subject.

* Extract herewith enclosed.

From the Assistant Engineer in charge No. 1 Range, to the Acting Collector of the Madras District, dated Scrooloor, 24th September 1868, No. 1,059.

4. Owing to the channel being in bad order, very little water flows down it, unless there is a heavy fresh in the river, and even then, as the bed of the Kilmathalambadoo tank is only one foot below the channel bed,* the water recedes back into the river, as the fresh subsides, and leaves only 2¼ feet of water in depth in the tank for irrigation; but the fall in the channel between Kilmathalambadoo and Trunk Road No. 6 proves that if a masonry dam was thrown across the river at a point, about one and a half mile above Annamanaicuncooppum, and a new channel cut, that the following tanks in the Ponneri Talook would be regularly supplied with spring water from the Naranaveram river :—

* At the point where the branch channel is taken off.

1. Malamathalambadu.
2. Goomdipoondy.
3. Punbakam.
4. Kilmathalambadoo.
5. Paroovoil.
6. Teerooppary.
7. Kanakumbaukum.
8. Kilicody.
9. Paramambedi.
10. Somatta.
11. Kellooroo.
12. Kattavoor.
13. Goodoovangary.
14. Yalambadu.
15. Arancor.
16. Mathoor.
17. Rettumbadu.
18. Avoor.
19. Eloopaukum.
20. Kowarangary.
21. Panapaukum.
22. Yanapaukum.
23. Kureeveesagarum.

(True Extract.)

(Signed) G. THORNHILL,
Acting Collector.

Statement showing the Ayacut cultivation, the available Waste, and Remissions, &c., during the last ten years under the several Tanks fed by existing Channels, &c.—(Continued.)

Names of Villages.	Names of Tanks or Tangal.	Supplying Channel of each Tank.		Nanja Ayacut.		Holding of Fusly 1276.		Available Waste.		Highest Beris during the last 10 years.			Lowest Beris during the last 10 years.			Remission granted during the last 10 years.				Probable increase of Revenue.	
		Names.	Number.	Extent.	Assessment.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Extent.	Assessment.	Fusly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fusly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fusly.	Remission for Banjer. Extent.	Remission for Banjer. Assessment.	Remission for Shavy. Extent.	Remission for Shavy. Assessment.	Extent.	Assessment including 2nd crop charge and Tirvajasty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
206 Pisatteor	Tank		1	138 9 4	658 8 8	134 4 9	731 8 8	4 5 8	20 1 0	73	136 11 8	763 7 10	134 3 8	662 15 7	1268	.....	.....	.....	.....		
															1269	.....	.....	.....	.....		
															1270	.....	.....	.....	.....		
															1271	0 15 0	3 10 6	.....	.....	95 9 12	604 11 6
															1272	0 11 4	2 15 8	.....	.....		
															1273	.....	.....	.....	.....		
															1274	.....	.....	.....	.....		
															1275	0 9 13	2 16 1	.....	.....		
															1276	.....	.....	46 10 1	181 3 1		
															1277	1 13 12	7 3 6				
																420 15 3	1,759 4 0	228 7 13	945 0 6		
186 Wootoocottah	Do.		1	86 13 0	806 0 10	80 11 4	480 6 3	6 8 13	31 8 4	74	79 13 2	286 13 3	63 6 12	238 10 4	1268	.....	.....	.....	.....		
															1269	.....	.....	.....	.....		
															1270	13 7 4	59 16 6	.....	.....	6 0 12	181 3 4
															1271	20 9 0	81 3 0	.....	.....		
															1272	11 5 6	45 13 6	.....	.....		
															1273	.....	.....	.....	.....		
															1274	.....	.....	.....	.....		
															1275	3 7 4	11 10 9	.....	.....		
															1276	.....	.....	.....	.....		
															1277	3 1 6	13 9 9	75 9 12	295 7 1		
																474 13 3	1,913 3 8	209 1 9	1,249 7 7		
182 Tharaicheo	Do. Tank			282 13 8	1,072 13 0	278 13 0	1,135 8 8	9 0 8	37 3 8	78	270 3 0	1,187 13 3	91 2 13	958 4 7	1268	.....	.....	.....	.....		
															1269	.....	.....	.....	.....		
															1270	3 13 4	73 13 6	.....	.....		
															1271	3 13 8	100 4 9	.....	.....	9 0 8	237 3 9
															1272	5 5	158 7 8	.....	.....		
															1273	20 5 9	80 3 3	.....	.....		
															1274	.....	.....	.....	.....		
															1275	7 8 4	16 8 9	.....	.....		
															1276	.....	.....	.....	.....		
															1277	42 10 0	128 5 10	199 0 0	793 4 9		
																562 4 10	2,409 9 8	408 1 9	2,031 12 4		
136 Cakavakom	Tank		1	138 4 8	843 0 8	104 3 4	688 4 9	20 1 4	110 6 8	76	104 3 4	683 3 4	98 7 14	826 14 5	1268	.....	.....	.....	.....		
															1269	5 9 14	18 10 7	.....	.....		
															1270	8 4 14	25 3 5	.....	.....		
															1271	.....	.....	.....	.....		
															1272	0 13 6	2 14 10	.....	.....	29 1 4	160 6 3
															1273	.....	.....	.....	.....		
															1274	.....	.....	.....	.....		
															1275	0 7 13	1 13 4	.....	.....		
															1276	.....	.....	.....	.....		
															1277	2 10 8	15 13 0	9 13 2	6 9 4		
																676 8 8	2,535 0 7	498 14 11	2,038 9 8		
185 Thoolavedoo	Do.		1	51 9 8	344 14 11	51 9 8	286 7 7	.....	.....	76	51 9 8	286 7 7	28 6 2	121 9 1	1268	.....	.....	.....	.....		
															1269	20 15 4	92 15 4	.....	.....		
															1270	19 8 6	84 3 1	.....	.....		
															1271	21 8 10	73 14 6	.....	.....		
															1272	7 15 10	35 0 4	.....	.....		200 0 0
															1273	3 14 8	12 9 9	.....	.....		
															1274	6 13 14	29 15 6	.....	.....		
															1275	9 13 8	45 8 1	.....	.....		
															1276	.....	.....	.....	.....		
															1277	1 15 8	7 15 5	42 10 0	236 15 6		
																749 12 14	3,017 15 1	848 8 11	3,276 0 2		
138 Parithimoni Cooppam	Do.		1	24 1 8	146 8 8	24 1 8	157 11 7	.....	.....	76	24 1 8	157 11 7	20 0 13	117 1 2	1268	.....	.....	.....	.....		
															1269	14 11 6	56 9 3	.....	.....		
															1270	11 5 4	41 3 4	.....	.....		
															1271	9 15 9	37 9 0	.....	.....		
															1272	8 4 2	28 18 0	.....	.....		70 0 0
															1273	3 10 4	9 11 3	.....	.....		
															1274	2 2 10	8 8 5	.....	.....		
															1275	1 5 0	4 5 11	.....	.....		
															1276	.....	.....	.....	.....		
															1277	0 8 8	0 10 6	19 13 14	104 11 9		
																818 13 8	3,087 12 9	848 6 9	3,379 11 4		

Statement showing the Ayacut Cultivation, the available Waste, and Remissions, &c., during the

ast ten years under the several Tanks fed by existing Channels le[f]*t from the Naraharaveram River, as also the probable increase of revenue likely*
to result to those Villages to wh[ich] *those Tanks belong.*

Names of Villages.	Name of Tank or Tangal.	Supplying Channel of each Tank.		Nanja Ayacut.		Holding of Fasly 1276.		Available Waste.		Highest Burie during the last 10 years.			Lowest Burie during the last 10 years.			Remission granted during the last 10 years.				Probable increase of Revenue.	
		Names.	Number.	Extent.	Assessment.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Extent.	Assessment.	Fasly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fasly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fasly.	Remission for Burjee. Extent.	Remission for Burjee. Assessment.	Remission for Shavy. Extent.	Remission for Shavy. Assessment.	Extent.	Assessment including 2nd crop charge and Tirvajasty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Tresellore Taluk.																1268	.....	.....	.....	.....		
																1269	.....	.....	.....	.....		
																1270	129 6 12	836 6 11	.....	.....		
																1271	28 10 4	97 2 11	.....	.....		
																1272	13 6 8	49 1 5	.....	.....	23 8 0	672 13 0
																1273	.....	1 8 6	.....	.....		
																1274	0 6 0	90 9 2	.....	.....		
																1275	50 1 6	.....	.....	.....		
																1276	.....	175 9 8	.....	.....		
																1277	44 1 0	.....	.....	.....		
																	235 0 0	997 15 7	.....	.....		
140	Nagulapuram	Cavumpperi	...	1	609 2 0	3,165 8 7	851 6 0	3,873 11 0	87 18 0	190 13 11	75	540 11 12	2,485 14 2	77	508 4 12	3,000 7 5	1268	.....	.....	.....	.....		
																1269	3 7 6	12 5 5	.....	.....		
																1270	3 9 6	81 4 3	.....	.....		
																1271	9 3 12	68 10 10	.....	.....		
																1272	6 13 10	39 4 1	.....	.....	17 15 13	229 4 0
																1273	9 9 14	64 15 10	.....	.....		
																1274	10 5 8	82 15 3	.....	.....		
																1275	5 1 14	.....	.....	.....		
																1276	.....	16 7 6	11 10 2	84 10 10		
																1277	3 15 18	.....	.....	.....		
																	203 1 6	1,393 6 10	11 10 2	84 10 10		
146	Vannancoopam	Illam Coomra-hom tank.	—	1	128 5 6	494 14 9	110 9 10	550 8 0	M 18 13	70 6 0	76	110 9 10	564 9 11	73	94 4 13	456 0 9	1268	.....	.....	.....	.....		
																1269	.....	.....	.....	.....		
																1270	.....	.....	.....	.....		
																1271	.....	.....	.....	.....		
																1272	.....	.....	.....	.....		
																1273	.....	.....	.....	.....		
																1274	.....	.....	.....	.....		
																1275	.....	.....	.....	.....		
																1276	.....	.....	.....	.....		
																1277	.....	.....	.....	.....		
																	.....	.....	.....	.....	Second crop Assessment.	
145	Thalakudavakom	Do.	—	—	8 4 10	20 6 10	5 6 10	20 4 0	.....	.....	76	8 4 10	20 6 10	73	6 15 4	37 9 6	.....	.....	.....	.....	.....	5 0 0
																1268	3 6 8	4 1 3	.....	.....		
																1269	9 14 10	35 8 9	.....	.....		
																1270	22 12 8	87 8 9	.....	.....	10 6 8	145 4 10
																1271	16 12 8	61 7 11	.....	.....		
																1272	2 3 6	8 15 10	.....	.....		
																1273	0 15 8	4 3 1	.....	.....		
																1274	1 1 14	5 4 10	.....	.....		
																1275	.....	.....	.....	.....		
																1276	3 3 6	13 13 7	66 10 8	257 8 3		
																1277	.....	.....	.....	.....		
																	343 6 8	1,403 13 10	89 6 6	311 13 13		
143	Ariyapuram	Do.	—	—	83 7 4	324 4 10	73 0 13	365 0 0	10 6 8	45 4 10	73	76 7 0	299 5 11	69	14 15 6	83 0 9	1268	1 3 0	6 4 8	.....	.....		
																1269	3 9 6	16 15 11	.....	.....		
																1270	1 11 10	6 3 4	.....	.....		
																1271	1 4 0	7 14 8	.....	.....		
																1272	3 9 6	13 14 4	.....	.....		
																1273	.....	.....	.....	.....		
																1274	.....	2 11 3	.....	.....		
																1275	0 9 0	.....	25 8 3	113 0 5		
																1276	.....	5 8 6	.....	.....		
																1277	0 11 10	.....	106 13 8	456 15 9		
																	9.9 0 0	1,15 4 3	106 13 8	456 15 9		
139	Tundalam	Do.	—	—	49 5 10	220 14 11	46 1 8	205 0 1	5 4 8	38 11 11	76	46 1 8	356 0 1	67	81 15 0	171 9 7	1268	7 0 0	35 6 6	.....	.....		
																1269	6 14 14	28 1 1	.....	.....		
																1270	17 13 6	76 9 8	.....	.....		
																1271	6 3 0	25 14 7	.....	.....		
																1272	6 13 10	31 3 4	.....	.....		
																1273	2 2 6	9 11 4	.....	.....		
																1274	6 11 6	.....	.....	.....		
																1275	.....	33 3 11	71 9 4	306 15 11		
																1276	7 8 10	.....	.....	.....		
																1277	.....	.....	.....	.....		
																	416 14 6	1,74 8 10	176 13 12	768 14 8		
137	Thandalam	Do.	—	—	144 7 8	660 0 11	109 0 10	545 14 1	35 6 14	153 6 8	73	116 13 14	649 15 11	71	103 8 10	563 10 8						

Statement showing the Ayacut cultivated, the available Waste, and Remissions, &c., during the last ten years and the Present Series during the last 10 years.

No.	Names of Villages.	Names of Tank & Tangal.	Supplying Channel of Main Tank. Name.	No.	Nanja Ayacut. Extent.	Assessment.	Holding of Fusly 1276. Extent.	Assessment, including 2nd crop charge and Tirvaiyasty.	Available Waste. Extent.	Assessment.	Lowest Series during the last 10 years. Fusly.	Extent.	Assessment, including 2nd crop charge and Tirvaiyasty.
1		2	3	4	5	6	7	8	9	10	11	12	13
141	Anthoopakom	Tank ...	...	1	305 4 6	1,028 10 6	148 14 14	896 12 10	61 5 8	281 15 5	76	138 4 12	890 13
147	Panappakom	Do. ...	...	1	343 11 2	1,552 8 6	288 5 6	1,828 11 2	5 5 12	32 4 0	76	195 2 10	1,401 11
158	Vadamadoorai	Do. ...	...	1	956 3 8	4,837 5 6	966 3 8	4,995 14 11	.....	.....	73	799 15 6	4,033 4 1
135	Velappakom	Do. ...	...	1	109 15 4	678 11 0	103 13 14	675 11 5	8 15 8	52 7 3	76	105 7 8	671 13
	Total...	...	...	...	3,253 2 4	16,127 12 9	3,008 1 13	16,715 14 0	211 0 8	1,0.2 3 8	...	2,801 2 6	15,319 5
	Ponnavi Talook.												
55	Chinnambedu	Large tank...	River channel	1	1,325 9 8	10,376 14 11	963 15 4	8,963 13 5	361 10 4	2,3.8 7 4	1275	919 10 0	9,092 7

No.	Lowest Series during the last 10 years. Fusly.	Extent.	Assessment, including 2nd crop charge and Tirvaiyasty.	Remission granted during the last 10 years. Fusly.	Remission for Ranjer. Extent.	Remission for Ranjer. Assessment.	Remission for Shary. Extent.	Remission for Shary. Assessment.	Gross Increase of Revenue. Extent.	Gross Increase of Revenue. Assessment including 2nd crop charge and Tirvaiyasty.
	14	15	16	17	18	19	20	21	22	23
	73	9 11 6	611 9 1	1265	.....	.....	.....	.....	61 5 8	181 15 5
				1269	13 14 10	71 10 9	.....	.....		
				1270	31 11 6	178 11 0	.....	.....		
				1271	88 13 8	173 19 4	.....	.....		
				1273	14 15 10	221 19 7	.....	.....		
				1273	0 15 0	6 4 1	.....	.....		
				1274	.....	.....	.....	.....		
				1275	.....	.....	.....	.....		
				1276	.....	.....	.....	.....		
				1277	8 4 3	19 6 8	87 1 4	321 8 9		
					921 7 6	3,754 3 5	625 7 13	2,701 4 0		
	77	18 3 2	1,338 3 3	1268	.....	.....	.....	.....	5 5 12	232 4 0
				1269	16 9 13	91 1 9	.....	.....		
				1270	93 0 8	787 0 2	.....	.....		
				1271	62 14 4	405 3 4	.....	.....		
				1272	4 13 0	39 1 11	.....	.....		
				1273	.....	.....	.....	.....		
				1274	3 1 10	19 1 4	.....	.....		
				1275	0 11 0	4 2 11	.....	.....		
				1276	16 1 12	133 13 2	.....	.....		
				1277	13 1 10	101 5 0	202 4 14	1,229 2 2		
					1,130 13 14	5,334 0 0	877 13 11	3,980 6 2		
	72	716 0 14	3,930 0 0	1268	.....	.....	.....	.....	.....	500 0 0
				1269	35 10 0	169 9 6	.....	.....		
				1270	119 13 6	845 8 11	.....	.....		
				1271	176 6 4	626 0 9	.....	.....		
				1272	148 13 2	899 3 10	.....	.....		
				1273	155 11 6	293 10 10	.....	.....		
				1274	111 6 6	476 9 0	.....	.....		
				1275	184 2 6	743 15 6	.....	.....		
				1276	216 0 10	1,320 14 8	.....	.....		
				1277	220a10 10	1,010 1 1	865 1 0	1,603 11 4		
					2,048 6 2	11,438 3 11	1,191 13 11	5,633 1 6		
	77	102 10 8	857 13 9	1268	.....	.....	.....	.....	3 15 6	123 7 3
				1269	1 0 6	10 2 9	.....	.....		
				1270	27 11 6	170 6 10	.....	.....		
				1271	22 3 6	125 14 4	.....	.....		
				1272	4 5 15	25 11 8	.....	.....		
				1273	1 13 3	10 7 7	.....	.....		
				1274	.....	.....	.....	.....		
				1275	1 3 9	7 15 10	.....	.....		
				1276	3 3 4	13 2 11	.....	.....		
				1277	3 5 6	17 5 0	.....	.....		
					2,668 9 10	11,819 9 6	1,191 13 11	5,633 1 6		
	...	3,414 13 14	13,461 15 2	...	.....	.....	.....	.....	300 0 2	1,224 13 10
	1267	686 0 0	8,506 0 0	1267	5 3 4	37 0 11	.....	.....		
				1268	6 7 4	89 11 8	.....	.....		
				1269	6 14 4	49 13 8	.....	.....		
				1270	18 6 8	127 4 11	87 14 10	738 3 6		
				1271	81 4 6	546 7 8	.....	.....		
				1272	4 9 14	30 2 6	.....	.....		
				1273	13 10 4	98 11 3	.....	.....	150 0 0	1,500 0 0
				1274	14 13 12	104 0 3	.....	.....		
				1275	84 15 10	915 10 11	0 15 10	7 3 7		
				1276	16 8 8	101 11 6	.....	.....		
					199 13 10	1,480 11 3	88 14 6	739 5 3	150 0 0	1,500 0 0
					2,868 7 4	13,250 4 9	1,280 11 16	6,363 6 9		

Proceedings of the Madras Government, Public Works Department,
20th February 1869.

Statement showing the Ayacut cultivation, the availa... Stat...issions, &c., during the last ten years under the several Tanks fed by existing Channels, &c.—(Concluded.)

Names of Villages.	Names of Tank or Tangal.	Supplying Channel of each Tank.		Nanja Ayacut.		Holding...	Available Wastes.		Highest Irrig... during the last 10 years.			Lowest Irrig... during the last 10 years.			Remission granted during the last 10 years.				Probable increase of Revenue.	
		Names.	Number.	Extent.	Assessment.	Extent.	Extent.	Assessment.	Fasly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fasly.	Extent.	Assessment, including 2nd crop charge and Tirvajasty.	Fasly.	Remission for Benjer. Extent.	Remission for Benjer. Assessment.	Remission for Shavy. Extent.	Remission for Shavy. Assessment.	Extent.	Assessment including 2nd crop charge and Tirvajasty.
1	2	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
47 Puroombedoo ... —	Tank ...	Channel ...	1	537 2 0	3,972 15 4	533 4	23 14 6	167 14 10	1278	486 0 0	3,460 0 0	1267	816 0 0	2,367 0 0	1267 1268 1269 1270 1271 1272 1273 1274 1275 1276	.... 14 7 6 ..... 27 8 19 16 12 2 3 1 10 11 10 4 10 3 0 10 2 5 93 14 6	94 10 3 ..... 246 14 11 ..... 64 3 3 23 3 3 66 15 0 64 3 6 56 3 7 536 4 7 13,806 9 3	.... 6 4 8 ..... 16 9 13 2 15 0 23 4 4 1,304 0 3	.... 37 11 0 ..... 88 15 11 15 13 5 143 8 1 6,504 14 10	10 0 0	300 0 0
.....	Do. ...	Do. ...	1	404 3 18	2,305 6 3	342 12 1	1 7 2	417 6 5	1275	319 0 0	1,146 0 0	1267	147 0 0	943 0 0	1267 1268 1269 1270 1271 1272 1273 1274 1275 1276	..... 2 4 0 .... 4 0 10 3 0 2 9 4 12	8 10 0 .... 31 9 0 21 4 6 61 7 6 13,866 0 9	.... 1,344 0 3	.... 6,504 14 10	5 0 0	200 0 0
77 Arnee... ... —	Do. ...	Interchannel	1	870 0 0	3,171 0 0	864	5 9 8	75 8 8	1269	288 0 0	2,347 0 0	1273	239 0 0	1,700 0 0	1267 1268 1269 1270 1271 1272 1273 1274 1275 1276	62 10 8 8 12 4 3 11 4 9 10 12 37 9 4 76 8 2 53 6 13 33 8 11 39 8 2 11 4 10 348 9 6	344 11 3 13 3 4 14 1 1 23 4 6 215 6 6 434 4 0 279 8 11 266 13 4 208 6 6 68 3 11 15,859 3 9	.... 1,928 9 7 1,648 7 11	.... 8,425 8 8	5 9 8	275 9 8
15 Cattoor... ... —	Do. ...	Do. ...	1	523 13 4	3,568 14 8	436 0 11	16 12 6	431 10 6	1274	493 0 0	3,678 0 0	1270	287 0 0	1,964 0 0	1267 1268 1269 1270 1271 1272 1273 1274 1275 1276	.... 1 10 8 ..... 8 9 4 2 8 10 3 6 2 1 6 12 3 7 12 1 14 6 22 10 6	10 6 1 ..... 58 6 6 15 8 9 19 4 2 6 10 8 23 10 0 5 15 2 140 1 7 15,998 4 4	32 13 6 0 15 6 .... 5 4 4 ..... 39 1 0 1,687 8 11	203 6 4 3 14 9 .... 25 15 0 ..... 233 4 1 8,660 12 6	80 0 0	1,180 0 0
102 Thatheamanjee	Do. ...	Do. ...	1	276 12 12	2,173 8 11	179 9	96 3 10	44 6 1	1260	156 0 0	1,402 0 0	1270	91 0 0	901 0 0	1267 1268 1269 1270 1271 1272 1273 1274 1275 1276	.... 46 5 10 21 4 14 17 8 13 8 1 10 9 15 8 12 11 6 ..... 115 18 12	340 10 1 107 3 6 41 4 7 56 7 9 71 6 1 84 15 3 ..... 854 4 1	.... 7 8 4 9 14 2 ..... 17 6 0	.... 83 6 9 37 1 7 ..... 90 8 4	60 0 0	735 0 0
Total...		...	...	8,458 9 12	24,765 9 0	3,820 0	21,926	635 9 4	185 5 10	...	3,439 10 0	20,919 7 11	...	1,739 0 0	16,389 0 0	...	3,456 14 0	16,847 8 5	1,701 15 5	9,751 4 10	330 9 8	4,190 9 8
Grand Total...		...	...	8,707 13 0	49,893 8 9	4,828 3 4	35,641	879 9 12	6,197 9 1	...	5,240 13 4	36,138 13 0	...	4,153 13 14	29,859 15 2	...	.....	.....	.....	.....	630 9 10	8,615 6 8

(Signed) G. THORNHILL,
Acting Collector.

STUART.
8th October 1868.

Statement showing the number and names of villages which possess no supplying channels at present, but which are likely to be benefitted by the construction of the anicuts proposed in the letter.

	Villages.	Ayacut of Nunjah.		Cultivation of Fusly 1275.		Available waste.	
		Extent.	Assessment.	Extent.	Assessment.	Extent.	Assessment.
	Ponnery Talook.		Rs.		Rs.		Rs.
94	Malemathalumbadu	451	3,041	283	1,981	168	1,060
108	Goommudypoondi	138	368	135	362	3	6
110	Kilicody	132	744	122	701	10	43
121	Piranambadu...	84	574	63	504	21	70
139	Shomputtu	254	1,538	212	1,347	42	191
126	Kulloor	354	1,278	272	904	82	374
150	Kuttavoor	387	2,373	302	1,947	85	426
151	Goodoovanchary	75	385	44	258	31	127
119	Arashoor	120	844	116	813	4	31
139	Methoor	1,348	6,289	958	4,737	390	1,552
145	Rettambadu	343	1,183	169	556	174	627
95	Avur	567	3,558	361	2,395	206	1,163
96	Elooppaukum	157	1,291	109	904	48	387
144	Komaranchary	269	1,527	89	545	180	982
136	Panappaukum	160	919	75	510	85	409
137	Yanadimalspaukum	259	678	183	571	76	107
142	Kuruviyagarum	271	859	228	753	43	106
158	Vembadu	178	1,255	127	956	51	299
143	Undavayal	85	531	67	447	18	84
130	Peraiyalloor	41	896	66	300	28	171
148	Koottaccadoo...	111	470	96	358	15	112
3	Vayaloor	1,557	5,416	626	2,281	911	3,135
1	Vaduccoonulloor	105	624	88	550	17	74
156	Shavoottoopanapaukum ...	44	223	38	194	6	29
144	Tharevaly	310	721	269	616	41	105
125	Yalavoor	790	1,536	487	971	303	565
114	Varecadoo	182	652	150	531	32	121
109	Palayagoommudypoondy ...	362	1,413	331	1,310	31	103
113	Koorsovadicharry	68	321	54	247	14	74
115	Nungapullum	21	75	21	75	...	...
116	Peddicooplum	109	261	106	254	3	7
103	Authupaukum	298	700	274	619	24	51
111	Periasholiambaukum ...	125	503	113	453	12	50
112	Chinnasholiambaukum ...	44	189	38	155	6	34
	Total ...	9,835	42,741	6,652	30,082	3,183	12,659
	Trivellore Talook.						
12	Kunnegapparo	734	5,101	644	4,328	90	773
	Grand Total ...	10,569	47,842	7,296	34,410	3,273	13,432
	Assessment on Second Crop...	...	...	...	...	...	6,716
	Total...	...	...	...	..	...	20,148

SUDAPET.
5th October 1868.

(Signed) G. THORNHILL,
Acting Collector.

SUBMITTED to Government, with the Board's recommendation that orders be issued in the Public Works Department for the institution of such a professional enquiry as will determine the feasibility of profitably utilizing for irrigation purposes the water of the Naranavoram river in the Trivellore and Ponneri Talooks.

2. It appears that there are twenty-one tanks in as many villages in the talooks above mentioned which are now insufficiently supplied with water, either from want of channels or from the channels (of which there are some seventeen) being small and incapable of drawing off more than a very limited quantity of the water which passes down the above river during the floods.

3. Mr. Thornhill proposes enlarging the Oothoocottah tank and constructing an anicut in the above river in a proper spot, by which he believes a sufficient quantity of water would be stored in the tank for supplying all the other tanks on the northern bank of the river.

4. Another anicut at Pariapolliem and one at Ponneri are also proposed; the former to supply the Chinnambedu and Aranco tanks as well as all the others to the right and left of the river, as far as the Trunk Road; and the latter anicut to supply all the tanks between that and the sea.

5. The following is an abstract of the Statement furnished by the Acting Collector, of the particulars relating to the ayacut of the tanks in question :—

Number of villages.	Number of tanks.	Names.	Nunjah Ayacut. Numbers.	Nunjah Ayacut. Extent.	Holding of Fusly 1276. Assessment.	Holding of Fusly 1276. Extent.	Assessment including second crop charge and Tirweyjuty.	Available waste. Extent.	Available waste. Assessment.	Highest Beris during last ten years. Extent.	Assessment including second crop charge and Tirweyjuty.	Lowest Beris during the last ten years. Extent.	Assessment including second crop charge and Tirweyjuty.	Remission granted during the last ten years. Remission for Banjer. Extent.	Remission granted during the last ten years. Remission for Shavy. Assessment.	Probable increase of revenue. Extent.	Probable increase of revenue. Assessment including second crop charge and Tirweyjuty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	31	—	17	6,708	40,893	5,828	38,641	880	5,198	5,247	36,139	4,154	29,851	3,456	16,947	1,704	3,751	631	8,415

6. It thus appears that the total Nunjah ayacut is 6,708 Acres, assessed at 40,893 Rupees, of which 5,828 Acres, assessed at 38,641 Rupees were occupied in Fusly 1276, leaving available waste to the extent of 880 Acres, assessed at Rupees 5,198. The probable increase of revenue anticipated from the works above proposed is Rupees 8,415, dorivable from 631 Acres.

7. Mr. Thornhill estimates a further increase of Rupees 20,148 from 3,273 Acres of available waste at present existing in thirty-four villages of the Ponneri and one village of the Trivelloro Talooks, which now possess no supplying channels, but which are likely to be benefitted by the construction of the proposed anicuts. An abstract of the Statement forwarded, appertaining to these villages, is given below, from which it will be seen that the total Nunjah ayacut in them is 10,569 Acres, assessed at Rupees 47,842, of which 7,296 Acres, assessed at Rupees 34,410, were cultivated in Fusly 1275, leaving 3,273 Acres of

available waste assessed at Rupees 20,148, which it is expected will be fully taken up if the proposed works are constructed.

Number of villages.	Nunjah Ayacut.		Cultivation in Fusly 1257.		Available waste.	
	Extent.	Assessment.	Extent.	Assessment.	Extent.	Assessment.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
33...	10,569	47,812	7,296	34,410	3,273	20,148

8. The total probable increase of revenue from both sets of villages is thus Rupees 28,563,* but Mr. Thornhill observes, that "a much larger increase "may be the result, as the dry area "likely to be converted into wet has "not been fully calculated upon."

		Rs.
* *Vide* abstract in paragraph 5	...	8,415
Do. do. 7	...	20,148
		28,563

9. Mr. Thornhill also forwards a letter from the Assistant Engineer touching the subject of irrigation from the river Naranavarem, from which it appears that an anicut constructed above the village of Annamanaicuncooppum would water twenty-three villages, the ryots of which are most anxious to have a supply of river water.

10. The Board consider that Mr. Thornhill's account, as given in his letter, (paragraphs 2 to 6 and 13,) of the country which might be watered by the construction of anicuts, is sufficiently promising (supplemented as it is by the Assistant Engineer's opinion) to make further professional examination very desirable.

Transferred to the Department Public Works.

Fort St. George,
18th *December* 1868.

(Signed) R. A. DALYELL,
Acting Secretary to Government.

No. 537. Order thereon, 20th February 1869, No. 564.

IRRIGATION No. 22.

The Government are of opinion that the examination of the Naranaveram river, suggested by the Acting Collector of Madras and the Board of Revenue, is very desirable; and they propose to detach an Officer at an early date for the purpose of carrying out the surveys and levels, and other investigations necessary to show to what extent the means of irrigation from that river are capable of improvement.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Board of Revenue.
" Revenue Department.
" Chief Engineer for Irrigation.
" Superintending Engineer, 4th Division.

Fxd. G. A. Turton.

Revenue Dept.
No. 636.

Govt. of Assam.

PUBLIC WORKS

To

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