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[Despatch Abstract.]

works: Approving with remarks the proposals of the
Engineers relative to the retention of some
works and the abandonment of others under the
influence of the Perjan main channel.

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PUBLIC WORKS.

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G.O., No. 710 I., 19th August 1896.

AUGUST.

Approving, with remarks, the proposals of the Superintending Engineer relative to the retention of some — and the abandonment of others under the influence of the Periyár main channel.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

From W. HUGHES, Esq., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 29th May 1896, No. 580 M.D.

It has become necessary to lay down some definite rule for the classification of estimates for works affected but not entirely superseded by the Periyár works. Hitherto, in the case of tanks through which the main canal passes, estimates for the repair of such tanks, for the reconstruction of sluices in them or construction of sluices in lieu of cuts or pot-sluices have been carried out from Provincial Irrigation funds. You approved of this classification in your No. VI—6 P.R., dated 3rd September 1892, in a particular case referred to you and your orders have been held to apply to all similar cases.

2. Of the 1,000 and odd tanks in the area affected by the project, probably one-fourth will be retained. In connection with the tanks to be abandoned since the bunds cannot be cut through and drainage allowed to pass over the irrigated land, the surplus works will have to be breached and the outfall channels deepened or in some other way the tank beds laid partly dry and made available for cultivation. Should the expense of this be charged to the project?

3. In the case of tanks to be retained it has to be considered that the present supply of these tanks is being interfered with as little as possible and in most cases it will be improved by the abandonment of the small tanks in their drainage basins. The Periyár water will supplement the supply as far as required and there will therefore be some extension of irrigation under the tanks. Also as the supply will be more certain the assessment will be raised, except in the case of some tanks now supplied from the river, and the increase of assessment credited to the project. On the other hand it does not seem right to charge the project with the cost of putting in order all these tanks which, except the more important ones affecting the safety of the South Indian Railway, have been systematically neglected for many years under the idea that they would be all or nearly all abandoned. I hope to submit very shortly a list of tanks in the Madura taluk which it is considered advisable to retain, and if possible I shall get a rough estimate of the probable cost of putting them in order. I think these tanks should be put into thorough order from Provincial funds by grants made from time to time as it is found practicable to take up the work.

Memo. No. VI—17 P.R.

With reference to letter No. 580 M.D., dated 29th May 1896, from the Superintending Engineer, VI Circle, the undersigned has the honour to say that as the estimates sanctioned for the Periyár Project do not provide for the restoration of the tanks which it is intended to retain under the project it seems necessary that their restoration should be carried out from Provincial funds under 43. Minor works and

Navigation. But before deciding finally on the incidence of the expenditure, the Superintending Engineer is requested to report the probable cost of restoring the tanks, their present and anticipated revenue.

2. It has been decided in the case of the Rushikulya project that the cost of draining tank beds to fit them for cultivation should be debited to "Land Revenue" and the same course will have to be adopted also in the case of the Periyár project.

8th June 1896. (Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

From W. HUGHES, Esq., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 22nd July 1896, No. 854 M.D.

As promised in my letter No. 580 M.D., dated 29th May 1896, I have the honour to submit, for approval, a list of tanks commanded by the Periyár main canal in Madura taluk with proposals for retaining or abandoning them.

2. While so little is known of the capabilities of the Periyár lake in a bad monsoon, it would be very rash to give up any tanks which can be economically maintained. Even after a good monsoon in which it may be expected that the lake will receive a large supply up to early in December, it is very doubtful whether there would be a full supply for the irrigable area for more than two months after the cessation of the monsoon rains. Under such circumstances the water previously stored in the plains would be of great assistance in bringing the crops to maturity. The full demand in the north-east monsoon is taken by Colonel Pennycuik at 1,000 cubic feet per second, but this quantity cannot be given when the lake falls below level 121. It will certainly pay to economise the Periyár water which, if it can be properly utilized, should be worth at least Rs. 20 per million cubic feet. Keeping this in view, the selection of the tanks to be maintained has been so made that all ordinary rainfall drainage will be caught up. The tanks to be given up will as a rule be those which are small and shallow and in which a great proportion of the supply would be lost by evaporation. In exceptional cases, tanks which might otherwise be given up are recommended to be retained when they are required as flood regulators or as distributing reservoirs. If it is found that too many tanks are retained, it will always be possible to give up some.

3. Of the 231 tanks in the list is proposed to keep 80. The remaining 151 irrigate only 5,858 acres and have an area of 3,189 acres, of which something over 2,000 acres will become available for cultivation. The loss of storage by the abandonment of these tanks is roughly estimated at 16 per cent., but this will be in great measure recouped by the drainage going more directly to the larger tanks instead of being intercepted as now by small tanks.

4. The outlines of the present wet land have not been correctly drawn on the irrigation map. From the papers printed with G.O., No. 153 of 15th February 1892, it would appear that the occupied and unoccupied dry lands (waste and tank bed poramboke being excluded) are of nearly equal extent with the wet land.

5. From the experience of this year when the Periyár lake remained at the same level from 20th February to the middle of June it is clear that we cannot safely calculate on any supply in the hot weather and if water is to be supplied for seed beds in May it is a matter for serious consideration whether it will not have to be made a rule to reserve a certain quantity of water in the lake. It appears to me that if cultivation is not begun in May, the ryots will have a difficulty in getting their first crop reaped before the north-east monsoon rains. For some years to come there will be no difficulty (unless when the monsoon fails), but in the future when the irrigation has extended it will be very advisable to have the means of sparing the Periyár water during the first three months of the year. The tanks in the Madura taluk would then be of great assistance and of the more importance as it is now thought that it will not be found advisable to keep more than 30 of the Málur tanks which are nearly all very small and shallow.

ENCLOSURE.
PERIYAR PROJECT.
STATEMENT containing proposals for abandoning or maintaining Periyár affected tanks, Madura taluk.

	Name of village.	Name of tank.	Tanks to be maintained or left as it is.		Tanks to be abandoned.		Area of water-spread.		Depth of water above sill level to F.T.L.	Approximate capacity of tanks in millions.		Means to irrigate the lands under the tank.	State of bund of tanks.	Remarks.
			ACS.	RS.	ACS.	RS.	Acres.	Cents.		Main- tained or left as it is.	Aban- doned.			
1	Karupetty	Poolamadai	..	..	96	605	36	..	3.3	..	1.72	By sluice in Vadagarai channel.	Bad	To be abandoned.
2	Do.	Odaikulam	..	..	49	355	21	..	3.0	..	0.91	..	..	Do.
3	Do.	Kurupattikulam	..	..	24	175	11	..	3.5	..	0.5	..	..	Do.
4	Irunbalai	Pudukulam	..	..	41	284	20	..	7.8	..	2.27	..	..	Do.
5	Do.	Mandaikulam	..	..	62	398	14	..	6.0	..	1.22	By sluice in the main channel.	Good	Do.
6	Neerathan	Bengasamudram	..	..	80	266	30	..	8.22 & 8.1	..	3.58	..	..	Do.
7	Do.	Periyakulam	..	..	208	860	101	..	5.02, 7.35, 8.3 & 8.46	..	12.39	..	..	Do.
8	Do.	Pudukulam	..	..	85	346	70	..	3.46 & 7.67	..	7.79	By No. 7 tank	..	Do.
9	Do.	Sellikulam and Pudukulam.	..	..	22	77	..	..	5.58, 6.87, 13.28, 16.48, 17.90, 9.41, 15.54 & 17.02	241.55	..	By Vadagarai channel and first branch channel.	Bund good, except in 8 places at centre	To be maintained.
10	Sholavandan-pettai, Salakurichy.	Vadagarai Kammooy	..	15,570	..	..	748	..	11.65, 9.27 & 15.46	55.01	..	By second branch channel	Good	Do.
11	Kottakulam	Periyakulam	..	2,370	..	..	246	..	6.08	..	0.97	Through No. 11, Peria Kammooy.	..	To be abandoned.
12	Do.	Somasankulam or Sinna Kammooy.	..	..	125	621	11	..	3.64 & 3.62	..	..	Through Vadagarai No. 11, Periyakulam tank.	..	To be left as it is.
13	Nedunkulam	Pudukulam	..	454	..	..	51	..	6.86, 6.87 & 6.25	6.42	..	First branch channel, if restored.	..	To be maintained.
14	Do.	Periyakulam	..	542	..	..	..	..	..	..	..	No means, as they are between zamindari and devastanum lands.	Bad	To be left as it is.
15	Do.	Rayappasamukulam	..	19	..	..	..	..	8.2	..	..	By first branch channel	Do.	To be abandoned.
16	Do.	Tamarikulam	..	18	..	..	13	59	7.0	1.38	0.29	No means of irrigating the ayaent.	Do.	To be maintained.
17	Thiruvadagan.	Kakkakulam	..	..	10	26	6	69	3.0	..	..	Vadagarai tank first branch channel, Corambu channel.	..	Do.
18	Thenoer	Pudukulam	..	..	..	..	40	..	4.3	2.49	..	By No. 19 tank	Good	Do.
19	Do.	Periyakulam	..	2,526	..	..	198	..	6.13, 7.3 & 5.3	20.96	..	Corambu channel	..	To be maintained.
20	Thodaneri	Peria Kammooy	..	1,620	..	..	254	..	7.66, 8.66 & 8.36	31.89	..	Nos. 19 and 20 tanks	Do.	To be maintained.
21	Sanayanallur	Petta Kammooy	..	..	..	..	..	..	3.92	3.24	..	Nos. 22 and 20 tanks and Corambu channel.	Bad	To be abandoned.
22	Do.	Arsangulam	..	523	..	..	112	..	6.08, 6.86 & 7.60	12.34	..	Through No. 24	..	Do.
23	Paravai	Vangulam	..	..	108	270	27	..	6.94	74.95	..	Sluice at 16 miles 7 furlongs.	Good	To be maintained.
24	Do.	Peria Kammooy	..	1,720	..	..	356	..	8.5, 14.52 & 11.48	..	0.98	..	..	To be abandoned.
25	Do.	Vannankulam	..	..	19	46	15	..	4.5	..	0.71	..	..	Do.
26	Sinnayelandakulam.	Kodankulam	..	..	36	161	7	..	6.98	..	..	..	..	Do.

Statement containing proposals for abandoning or maintaining Periyar affected tanks, Madura taluk—cont.

Name of village.	Name of tank.	Tanks to be maintained or left as it is.		Tanks to be abandoned.		Area of water spread.		Depth of water above sill level to F.T.L.	Approximate capacity of tanks in millions.		Means to irrigate the lands under the tank.	State of bund of tanks.	Remarks.
		Wet ayaout.	Revenue.	ACS.	Rs.	Ayaut.	Revenue.	Acres.	Cents.	Main- tained as it is.	Aban- doned.		
27	Sinnayelandakulam.	..	..	..	..	..	..	..	..	..	Sluice at 16 miles 7 furlongs..	Bad	To be abandoned.
28	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
29	Kallinipattiy.	..	..	..	..	..	..	..	..	..	Sluice at 15 miles ..	..	Do.
30	Athalai	..	..	..	..	..	..	..	..	..	By third branch channel ..	..	To be maintained.
31	Pothoombu	..	..	..	..	..	..	..	..	..	Athalai tank ..	..	Do.
32	Do.	..	..	..	..	..	..	..	..	..	By fourth branch channel ..	..	Do.
33	Koipapagooty.	..	..	..	..	..	..	..	..	..	Pothoombu Keela Kammooy ..	..	To be abandoned.
34	Do.	..	..	..	..	..	..	..	..	..	Athalai tank ..	..	To be maintained.
35	Sallyaneri	..	..	..	..	..	..	..	..	..	Pothoombu Keela Kammooy ..	..	Do.
36	Vilangudi	..	..	..	..	..	..	..	..	..	Do.	..	Do.
37	Do.	..	..	..	..	..	..	..	..	..	Papagooty Peria Kammooy ..	..	To be abandoned.
38	Do.	..	..	..	..	..	..	..	..	..	and Paravai tank ..	..	To be maintained.
39	Kallavai	..	..	..	..	..	..	..	..	..	Vilangudi-Periyakulam and ..	..	To be left as it is.
40	Do.	..	..	..	..	..	..	..	..	..	Corambu channel by river. ..	..	To be abandoned.
41	Do.	..	..	..	..	..	..	..	..	..	By sluice in main channel and ..	..	as tank bed is mostly patia land.
42	Do.	..	..	..	..	..	..	..	..	..	by fourth branch channel.	..	To be abandoned.
43	Do.	..	..	..	..	..	..	..	..	..	By fourth branch channel ..	..	Do.
44	Do.	..	..	..	..	..	..	..	..	..	Third and fourth branch ..	..	Do.
45	Kunnam	..	..	..	..	..	..	..	..	..	channels.	..	Do.
46	Kunnam	..	..	..	..	..	..	..	..	..	By sluice in main channel ..	..	Do.
47	Thandalai	..	..	..	..	..	..	..	..	..	Fourth branch channel ..	..	To be maintained.
48	Maniangi	..	..	..	..	..	..	..	..	..	Sluice in main channel ..	..	To be abandoned.
49	Poodagudi	..	..	..	..	..	..	..	..	..	Thandalai offtake ..	..	To be maintained.
50	Mulakaranai	..	..	..	..	..	..	..	..	..	Fourth branch channel ..	..	To be abandoned.
51	Anaiyur	..	..	..	..	..	..	..	..	..	Thandalai offtake ..	..	To be maintained.
52	Do.	..	..	..	..	..	..	..	..	..	through No. 35.	..	To be abandoned.
53	Do.	..	..	..	..	..	..	..	..	..	Anaiyur tank.	..	Do.
54	Do.	..	..	..	..	..	..	..	..	..	Mayur tank ..	..	Do.
55	Do.	..	..	..	..	..	..	..	..	..	..	..	Do.
56	Do.	..	..	..	..	..	..	..	..	..	..	..	Do.
57	Thathaneri	..	..	..	..	..	..	..	..	..	Vilangudi and Anaiyur tanks ..	..	To be maintained.
58	Sellar	..	..	..	..	..	..	..	..	..	Thathaneri Corambu channel ..	..	Do.
											by Vaigai.	..	Do.

59	Kulamangalam.	..	..	..	..	..	..	..	..	..	Thandalai tank and offtake ..	..	To be abandoned.
60	Do.	..	..	..	..	..	..	..	..	..	Kulamangalam and Thunda- ..	..	Do.
61	Do.	..	..	..	..	..	..	..	..	..	lai offtake.	..	Do.
62	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
63	Pechikulam	..	..	..	..	..	..	..	..	..	Do.	..	Do.
64	Do.	..	..	..	..	..	..	..	..	..	Thandalai offtake ..	..	Do.
65	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
66	Karunanur	..	..	..	..	..	..	..	..	..	Do.	..	To be maintained.
67	Do.	..	..	..	..	..	..	..	..	..	Fifth branch channel ..	..	To be abandoned.
68	Therkupattiyam- ..	..	..	..	..	..	..	..	..	..	Periyakulam ..	..	Do.
69	Do.	..	..	..	..	..	..	..	..	..	Proposed new sluice at 22 ..	..	Do.
70	Do.	..	..	..	..	..	..	..	..	..	miles.	..	Do.
71	Do.	..	..	..	..	..	..	..	..	..	Proposed new sluice at 22 ..	..	Do.
72	Velichinatham.	..	..	..	..	..	..	..	..	..	miles.	..	Do.
73	Do.	..	..	..	..	..	..	..	..	..	Vadarkulam and sixth branch ..	..	Do.
74	Do.	..	..	..	..	..	..	..	..	..	channel.	..	Do.
75	Do.	..	..	..	..	..	..	..	..	..	Sixth branch channel ..	..	Do.
76	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
77	Mandikulam	..	..	..	..	..	..	..	..	..	Sixth branch channel ..	..	To be maintained.
78	Do.	..	..	..	..	..	..	..	..	..	Kanannur tank ..	..	To be abandoned.
79	Koolapandy	..	..	..	..	..	..	..	..	..	Do.	..	Do.
80	Do.	..	..	..	..	..	..	..	..	..	Karunanur-Periyakulam ..	..	To be maintained.
81	Settikulam	..	..	..	..	..	..	..	..	..	Do.	..	Nos. 79 & 80 to be ..
82	Do.	..	..	..	..	..	..	..	..	..	Do.	..	made into one.
83	Do.	..	..	..	..	..	..	..	..	..	Do.	..	To be abandoned.
84	Sathrathondam- ..	..	..	..	..	..	..	..	..	..	Do.	..	To be maintained.
85	Do.	..	..	..	..	..	..	..	..	..	Do.	..	To be abandoned.
86	Chinnapattiy.	..	..	..	..	..	..	..	..	..	Proposed new sluice at 25 ..	..	Do.
87	Do.	..	..	..	..	..	..	..	..	..	miles 1 furlong.	..	Do.
88	Do.	..	..	..	..	..	..	..	..	..	Sixth branch channel ..	..	Do.
89	Periyapattiy	..	..	..	..	..	..	..	..	..	Do.	..	Do.
90	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
91	Parapattiy	..	..	..	..	..	..	..	..	..	Do.	..	To be maintain- ..
92	Do.	..	..	..	..	..	..	..	..	..	Do.	..	ed. One tank.
93	Erukalanathan.	..	..	..	..	..	..	..	..	..	Parapattiy-Pudukulam ..	..	To be abandoned.
94	Uslampatti	..	..	..	..	..	..	..	..	..	Sixth branch channel ..	..	Do.
95	Kodimangalam.	..	..	..	..	..	..	..	..	..	Do.	..	To be maintained.
96	Mangampattiy.	..	..	..	..	..	..	..	..	..	Proposed new sluice at 25 ..	..	To be abandoned.
97	Do.	..	..	..	..	..	..	..	..	..	miles 1 furlong.	..	Do.
98	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
99	Do.	..	..	..	..	..	..	..	..	..	Mambet ..	..	Do.
100	Marudankulam.	..	..	..	..	..	..	..	..	..	No means of irrigation ..	..	To be left as it is.
101	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
102	Do.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
103	Do.	..	..	..	..	..	..	..	..	..	Do.	..	To be maintained.

Statement containing proposals for abandoning or maintaining Periyar affected tanks, Madura taluk—cont.

No.	Name of village.	Name of tank.	Tanks to be maintained or left as it is.		Tanks to be abandoned.		Area of water-spread.		Depth of water above sill level to F.T.L.	Approximate capacity of tanks in millions.		Means to irrigate the lands under the tank.	State of bund of tanks.	Remarks.
			Wet ayaut.	Revenue.	ACS.	RS.	Ayaut.	Revenue.		Cent.	Acres.			
104	Thallakulam	Sombakulam	17	44	..	..	27	..	4	1.57	..	No means of irrigation	Bad	To be left as it is.
105	Do.	Nunnaperichhi tank	..	..	..	..	30	..	4	1.74	..	Thirupalai offtake	..	To be abandoned.
106	Do.	Thirupalai tank	..	..	..	..	33	..	5	2.39	..	Do.	..	Do.
107	Do.	Pudu Kammo	..	..	..	..	46	..	5	3.34	..	Do.	..	Do.
108	Do.	Puppakulam	..	..	..	..	50	..	4.5, 5	3.63	..	Do.	..	Do.
109	Do.	Kosakulam	..	..	..	..	62	..	5 & 4.5	4.50	..	Do.	..	Do.
110	Do.	Kallukulam	..	..	..	..	9	..	4	0.52	..	dalai offtake.	..	Do.
111	Do.	Podaramba	..	..	..	..	..	..	..	..	..	Thandalai offtake	..	Do.
112	Do.	Mahabali Orany	..	..	..	..	14	..	..	..	..	Do.	..	Do.
113	Do.	Sengulam tank	..	..	..	..	86	..	5	3.55	..	Do.	..	To be abandoned.
114	Do.	Velayankulam	..	..	..	..	77	..	6.00	6.69	..	Thandalai offtake	..	To be maintained.
115	Do.	Thallakulam	..	..	..	..	49	..	6.5, 7 & 4.5	4.97	..	Thallakulam and Corambu channel.	..	To be left as it is.
116	Managiri	..	..	..	..	..	..	..	..	..	..	7th branch channel	..	To be abandoned.
117	Thallakulam	Four other small tanks	..	..	..	..	..	..	..	..	..	Do.	..	To be left as it is.
121	Kallandiri	Kannurkulam	..	..	..	..	17	..	5, 4.6 & 3.1	1.26	..	7th branch channel	..	To be abandoned.
122	Do.	Kalkulam	..	..	..	..	11	..	6.05 & 3.31	0.86	..	Do.	..	To be left as it is.
123	Do.	Sinnawandur	..	..	..	..	16	..	3.8 & 2.1	0.93	..	Sluice in Thallakulam tank	..	To be abandoned.
124	Do.	Peria Amandur	..	..	..	..	33	..	5.1, 4.8 & 7.1	3.42	..	7th branch channel	..	To be left as it is.
125	Do.	Pillayarkulam	..	..	..	..	7	..	6.8 & 2.85	0.57	..	Periawandur tank	..	To be abandoned.
126	Do.	Kullandirukulam	..	..	..	..	8	..	3.5, 5.2 & 3.7	0.72	..	8th branch channel	..	To be left as it is.
127	Do.	Sinnayynee	..	..	..	..	..	..	3.7, 3.9 & 5.5	1.33	..	Do.	..	To be maintained.
128	Do.	Perianayynee	..	..	..	..	..	..	2.5, 3.4 & 6.9	4.96	..	Sluice at 28 mile 4 furlongs	..	To be left as it is.
129	Do.	Velayankulam	..	..	..	..	73	..	3.5, 7, 6.35 & 5	1.79	..	8th branch channel	..	To be maintained.
130	Do.	Velayankulam	..	..	..	..	17	..	4.7, 6.6 & 4.62	1.68	..	Perianayynee	..	To be left as it is.
131	Thuyneri	Peria Kammo	..	..	..	..	18	..	9	2.35	..	No means of irrigation being between inam tanks.	..	Do.
132	Do.	Chinna Kammo	..	..	..	..	10	..	6	0.87	..	Do.	..	Do.
133	Arumbanur	Arumbanurkulam	..	..	..	..	76	..	9	9.92	..	8th branch channel	..	To be maintained.
134	Do.	Sembukulam	..	..	..	..	6	..	3	0.26	..	Do.	..	To be abandoned.
135	Do.	Pudukulam or Peekulam	..	..	..	..	45	..	5	3.26	..	at 28 miles 4 furlongs.	..	Do.
136	Padupatty	Pudukulam	..	..	..	..	123	..	6 & 9	16.07	..	Sluice at 5th mile	..	To be maintained, and made into one.
137	Do.	Chinnakulam	..	..	..	..	87	..	9	8.75	..	9th branch channel	..	To be maintained.
138	Menchakady	Menchakady Kammo	..	..	..	..	101	..	8.96 & 8.75	20.92	..	Do.	..	Do.
139	Utangudy	Utangadikulam	..	..	..	..	..	..	..	..	..	Do.	..	Do.
140	Do.	Polandikulam or Puvadi tank.	..	..	..	..	10	..	4	0.58	..	Utangudi tank	..	To be abandoned.
141	Vandiyur	Vandiyur tank	..	..	..	..	678	..	10 & 11	92.19	..	9th branch channel, Corambu channel, Vaigai river.	..	To be maintained.
142	Do.	Mayadan Kammo or Mathi-kattinukulam.	..	..	..	..	60	..	4.00	3.48	..	Vandiyur tank	..	To be abandoned.
143	Mangalam	Periakeerani	..	..	..	..	21	..	3, 2.9 & 3	0.91	..	9th branch channel sluice at 28 miles 4 furlongs.	..	Do.
144	Do.	Sinnakeerani	..	..	..	..	9	..	3.5 & 4.12	0.54	..	Do.	..	Do.
145	Do.	Thabonirudal	..	..	..	..	..	..	3.95 & 4	0.60	..	Do.	..	Do.
146	Do.	Marierikulam	..	..	..	..	10	..	4.15 & 3.45	1.82	..	9th branch channel..	..	Do.
147	Do.	Thukkakulam or Thukhai kulum.	..	..	..	..	17	..	7.4 & 3.2	1.11	..	Do.	..	Do.
148	Do.	Mudavambukulam	..	..	..	..	215	..	1.8, 2.8 & 4.5	..	..	Do.	..	Do.
149	Do.	Naryirian Kammo or Elanjinan Kammo.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
150	Do.	Konavandal	..	..	..	..	..	..	3.03	..	..	9th branch channel	..	Do.
151	Do.	Perakammakulam	..	..	..	..	..	..	3.8, 5.7 & 3.8	1.82	..	Do.	..	Do.
152	Do.	Paryanthungi	..	..	..	..	84	..	3.8 & 5.25	2.82	..	New sluice at 3 miles 3 furlongs, 9th branch channel	..	Do.
153	Do.	Pudukulam	..	..	..	..	131	..	4.6, 4.4	..	..	and Chittampatty offtake.	..	To be maintained.
154	Do.	Periyakulam	..	..	..	..	55	..	4.8 & 3.5	..	..	New sluice at 3 miles 3 furlongs, 9th branch channel.	..	To be abandoned.
155	Do.	Chinnakulam	..	..	..	..	37	..	5.37, 4.7	3.22	..	Sluice at 0 mile 2 furlongs, 9th branch channel.	..	Do.
156	Arumbanur	Kanjirangulam	..	..	..	..	19	..	1, 2.6, 4.4 & 4.9	1.60	..	Kunnathur offtake	..	Do.
157	Do.	Thottichikulam	..	..	..	..	169	..	4, 5.6 & 5.2	0.28	..	Sluice at 0 mile 2 furlongs, 9th branch channel.	..	Do.
158	Thamarapatty	Kallathikulam	..	..	..	..	41	..	0.89 & 0.63	..	..	Kunnathur offtake	..	Do.
159	Do.	Puliyadithan or Pulikadi-than.	..	..	..	..	28	..	..	2.05	..	Do.	..	Do.
160	Do.	Uppurani	..	..	..	..	29	..	47 2.3, 4.8, 3.30 & 1.73	..	..	Do.	..	Do.
161	Do.	Vannangulam	..	..	..	..	50	..	1, 1 & 3.75	1.21	..	Do. and Chittampatty.	..	To be maintained.
162	Do.	Pedarindal	..	..	..	..	82	..	4, 3.2 & 3.8	0.31	..	Do.	..	To be abandoned.
163	Do.	Kalliyankulam	..	..	..	..	65	..	2.5 & 1.2	0.22	..	Kunnathur offtake	..	To be maintained.
164	Do.	Peekulam	..	..	..	..	32	..	3.7, 4.8 & 3.4	0.75	..	Chittampatty offtake	..	To be abandoned.
165	Do.	Pulimimath	..	..	..	..	10	..	6.15	0.48	..	Do.	..	Do.
166	Do.	Navakundoo	..	..	..	..	7	..	4.51	0.64	..	Do.	..	Do.
167	Do.	Peria Thamarapatty kulum.	..	..	..	..	60	..	3.35	1.11	..	Do.	..	Do.
168	Do.	Chinna Thamarapatty-kulam.	..	..	..	..	87	..	4, 3.25, 4.1 & 3.79	0.53	..	Do.	..	Do.
169	Do.	Anyakulam	..	..	..	..	18	..	4.11	..	..	Do.	..	Do.
170	Do.	Athikulam	..	..	..	..	9	..	3.51	..	..	Do.	..	Do.
171	Do.	Thottichindal	..	..	..	..	..	..	..	..	..	Do.	..	Do.
172	Do.	Muthukonaindal	..	..	..	..	..	..	..	..	..	Do.	..	Do.
173	Do.	Kodikulam	..	..	..	..	19	..	5.27 & 3.62	1.46	..	Kunnathur offtake	..	To be abandoned.
174	Do.	Theruvandappu	..	..	..	..	8	..	3.49	0.44	..	Do.	..	Do.
175	Do.	Periyakadam bangudy	..	..	..	..	37	..	4.99 & 3.25	0.33	..	Do.	..	Do.
176	Do.	Chinnakadam bangudy	..	..	..	..	6	..	2.7 & 3.82	0.91	..	Do.	..	Do.
177	Do.	Mochoonthy	..	..	..	..	14	..	4.48 & 3.1	0.60	..	Do.	..	Do.
178	Do.	Mananalam	..	..	..	..	17	..	8.05	0.57	..	Do.	..	Do.
179	Do.	Kattakarupana aindal	..	..	..	..	22	..	2.25	0.39	..	Do.	..	Do.
180	Do.	Vahanan Kammo	..	..	..	..	63	..	2.00	0.41	..	Do.	..	Do.
181	Do.	Songolam	..	..	..	..	13	..	3.7	..	..	Do.	..	Do.
182	Do.	Pottaloorani	..	..	..	..	7	..	..	..	..	Do.	..	Do.

Statement containing proposals for abandoning or maintaining Periyar affected tanks, Madura taluk—cont.

No.	Name of village.	Name of tank.	Tanks to be maintained or left as it is.		Tanks to be abandoned.		Area of water-spread.		Depth of water above sill level to F.T.L.	Approximate capacity of tanks in millions.		Means to irrigate the lands under the tank.	State of bund of tanks.	Remarks.
			Wet ayacut.	Revenue.	ACS.	RS.	ACS.	RS.		Maintained or left as it is.	Abandoned.			
181	Thamarapatty	Chinnamorani	..	..	..	..	..	..	2.50	0.22	..	Kunnathur offtake	..	To be maintained.
182	Do.	Nellaiandal	..	..	..	..	..	..	2.5, 2.6, 3.7 & 2.7	3.17	..	Do.	..	Do.
183	Do.	Chinna Nelliandal	..	..	..	..	..	..	4.7 & 4.5	..	..	Do.	..	To be abandoned.
184	Do.	Chittangulam	..	..	..	..	..	..	5 & 4.6	1.12	..	Do.	..	To be left as it is.
185	Do.	Vantholam	..	..	..	..	..	..	..	..	..	9th branch channel	..	Do.
186	Rajakumbaram	Periakulam	..	..	..	..	..	..	4.47	..	..	Kunnathur offtake	..	To be abandoned.
187	Kottangulam	Kottangulam	..	..	..	..	..	..	2.75	0.98	..	Do.	..	Do.
188	Tamarapatty	Adanakurichi or Arunakunchi.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
189	Elangipatty	Elangiandal	..	..	..	..	..	..	2.98	1.22	..	Do.	..	Do.
190	Do.	Sengolam	..	..	..	..	..	..	3.79	2.15	..	Do.	..	Do.
191	Nattamangalam.	Sinna Kammooy	..	..	..	..	..	..	2.81	..	..	Do.	..	To be maintained.
192	Do.	Periya do.	..	..	..	..	..	..	6.6	6.70	..	Do.	..	Do.
193	Kugakkoor	Achankulam	..	..	..	..	..	..	7.5 & 3.37	10.94	..	Do.	..	To be abandoned.
194	Do.	Rajakur	..	..	..	..	..	..	5.7	..	..	Nattumangalam Periya Kammooy.	..	To be abandoned.
195	Do.	Kallarottan	..	..	..	..	..	..	2.63	1.58	..	Achankulam	..	Do.
196	Do.	Parayankulam	..	..	..	..	..	..	2.7 & 4.7	7.10	..	Do.	..	To be maintained.
197	Varichiyur	Narivalodai	..	..	..	..	..	..	6.37 & 3.81	24.86	..	Kunnathur and Chinnamur offtake.	..	To be abandoned.
198	Kunnathur	Kunnathur tank	..	..	..	..	..	..	10	154.20	..	Kunnathur and Corambu channel by river.	..	Do.
199	Thirumugur	Thalathamarakulam	..	..	..	..	..	..	8.6 & 8.35	15.88	..	Kunnathur offtake and 9th branch channel.	..	Do.
200	Do.	Veerankulam	..	..	..	..	..	..	..	..	..	Thalathamarakulam	..	To be abandoned.
201	Do.	Solamarakulam	..	..	..	..	..	..	3.3, 6.1 & 2.9	6.27	..	Do.	..	Do.
202	Thindiyur	Thindiyur	..	..	..	..	..	..	3.21 & 3.15	3.88	..	Kunnathur offtake and 9th branch channel.	..	To be maintained.
203	Do.	Menathikulam	..	..	..	..	..	..	2.87	..	..	Do.	..	To be abandoned.
204	Do.	Alathur	..	..	..	..	..	..	2.8 & 3.8	4.41	..	Do.	..	Do.
205	Kalikuppam	Suragudy	..	..	..	..	..	..	3.6, 4.7 & 4.9	5.69	..	Do.	..	To be maintained.
206	Do.	Kalikuppam	..	..	..	..	..	..	9.27 & 8.18	14.81	..	Do.	..	Do.
207	Do.	Kalikuppam	..	..	..	..	..	..	3	5.85	..	Do.	..	To be left as it is.
208	Kalikudy	Periakulam	..	..	..	..	..	..	4	..	..	No means of irrigation	..	To be abandoned.
209	Do.	Pudu Kammooy or Bengasamudram.	..	..	..	..	..	..	..	..	..	Do.	..	Do.
210	Do.	Andodakulam	..	..	..	..	..	..	..	..	..	Kolikuudi Peria Kammooy	..	Do.

211	Vilathur	Vilathur	..	..	..	..	..	..	5.4, 4 & 3.6	6.19	..	Kunnathur offtake	..	To be maintained
212	Pottapanayur	Pottapanayur	..	..	..	..	..	..	6.2 & 3.68	7.92	..	Vilathur	..	Do.
213	Elamanur	Elamanur	..	..	..	..	..	..	7.5	21.89	..	Papagudi offtake	..	Do.
214	Do.	Do.	..	..	..	..	..	..	5	..	..	Do.	..	To be abandoned.
215	Poolampatty	Poolampatty	..	..	..	..	..	..	3.18	..	..	Chittampatti	..	Do.
216	Do.	Tanarar or Thariasenankulam.	..	..	..	..	..	..	3.9 & 1.7	..	..	Do.	..	Do.
217	Do.	Periakulam and Chinakulamangolam.	..	..	..	..	..	..	8.85	..	..	Marani	..	Do.
218	Do.	Sengapenandal	..	..	..	..	..	..	3.47	..	..	Chittampatti offtake	..	Do.
219	Do.	Chinnakurumugiri	..	..	..	..	..	..	3.25	..	..	Kunnathur offtake	..	Do.
220	Do.	Maruchikatty	..	..	..	..	..	..	3.85	..	..	Chittampatti offtake	..	Do.
221	Do.	Periakurumukudikulam	..	..	..	..	..	..	2.48	..	..	Marani tank	..	Do.
222	Vilachikulam	Kalikulam	..	..	..	..	..	..	2.35 & 3.1	..	..	Do.	..	To be maintained
223	Do.	Vilachikulam	..	..	..	..	..	..	5.2 & 4.01	5.10	..	Chittampatti	..	To be abandoned.
224	Therukani	Therukani	..	..	..	..	..	..	3.17 & 2.78	..	..	Therukani tank	..	Do.
225	Do.	Soman Kammooy or Somanakulam.	..	..	..	..	..	..	2.58 & 2.2	..	..	Do.	..	Do.
226	Do.	Kanjirangolam	..	..	..	..	..	..	2.4 & 3.7	..	..	Do.	..	Do.
227	Varachaneri	Kutakulam	..	..	..	..	..	..	2.8 & 3.8	..	..	Do.	..	Do.
228	Do.	Sundranallur	..	..	..	..	..	..	2.4, 3.6 & 3.8	..	..	Do.	..	To be maintained
229	Do.	Nedunkulam	..	..	..	..	..	..	3.7 & 2.8	..	..	Do.	..	ed and made
230	Do.	Summalipuliyankulam	..	..	..	..	..	..	4 & 3.86	2.03	..	Do.	..	into one tank.
231	Do.	Varachaneri Kammooy	..	..	..	..	..	..	3.8 & 6.8	3.94	..	Do.	..	Do.
			15,494.83	66,043	5,858	17,449	3,189	8,663	..	1,280.22	236.79			
			..	..	..	..	..	..	..	..	..			

N.B.—Tanks (15 in number) marked * being small are not shown in the ayacut map.

(2) The ayacut and waterspread of some small tanks are not available at present.

(3) It will be seen that by abandoning the small tanks we loose only .15 of our total storage.

(4) Out of 11,852 acres tank-bed only, 3,189 wll be available for cultivation.

(Signed) T. W. S. SMYTH,
Executive Engineer on Special Duty.

29th June 1896.

No. 710 I., 19TH AUGUST 1896.

No. 156 I.

Submitted for the sanction of Government.

31st July 1896.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

ORDER—No. 710 I., dated 19th August 1896.

The proposals of the Superintending Engineer relative to the retention of some tanks and the abandonment of others under the influence of the Periyar main channel are approved. The proposals, it will be seen, are at present tentative and the arguments for their adoption forwarded by the Superintending Engineer appear to be both cautious and sound. The experience of two or more seasons only can give a cue to further action in this direction.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Joint Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with two enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. T. K. Narayana Aiyangar.

No. 854 Ind. Office of Sup^r Engineer 6th Circle
22 July 1896.

Knowl. W. Hughes Esqre.
Superintending Engineer 6th Circle
Trichinopoly -

To: The Chief Engineer
for Irrigation, Madras.

Sir.

To: 3.
ist.

maps (to
be kindly
returned).

to separate
Packet (Ind.).

As promised in my letter No. 580. M. D. dated 29th May 1896, I have the honor to submit for approval, a list of tanks commanded by the Periyar Main Canal in Madura Taluk with proposals for retaining or abandon-
ing them.

2. While so little is known of the capabilities of the Periyar lake in a bad monsoon, it would be very rash to give up any tanks which can be economically maintained. Even after a good monsoon in which it may be expected that the lake will receive a large supply up to early in December it is very doubtful whether there would be a full supply for the irrigable area for more than two months after cessation of the monsoon rains. In such circumstances the water stored in the plains would be of great

ass.

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assistance in bringing the crops to maturity. The full demand in the North East Monsoon is taken by Col. Penneyerick at 1000 cft per second but this quantity cannot be given when the lake falls below level 121. It will certainly pay to economise the Periyar water which, if it can be properly utilized should be worth at least Rs 20 per million cubic feet. Keeping this in view the selection of the tanks to be maintained has been made that all ordinary rainfall drainage will be caught up. The tanks to be given up will as a rule be those which are small and shallow and in which a great proportion of the supply would be lost by evaporation. In exceptional cases tanks which might otherwise be given up are recommended to be retained when they are required as road regulators or as distributing reservoirs. If it is found that too many tanks are retained it will always be possible to give up some.

Of the 231 tanks in the list it is proposed to keep 80. The remaining irrigate only 5858 acres and an area of 3189 acres of which more than 2000 acres will become available

available for cultivation. The loss of storage by the abandonment of these tanks is roughly estimated at 16 per cent but this will be in great measure recouped by the drainage going more directly to the larger tanks instead of being intercepted as now by small tanks.

4 The outlines of the present wet land have not been correctly drawn on the irrigation map. From the papers printed with G.O. No 153 of 15th February 1892. it would appear that the occupied and unoccupied dry lands (waste and tank bed peramboke being excluded) are of nearly equal extent with the wet land.

5. From the experience of this year when the Periyar lake remained at same level from 20th February to the middle of June it is clear that we cannot safely calculate on any surplus in the hot weather and if water be supplied for seed beds in May is a matter for serious consideration whether it will not have to be in a rule to reserve a certain quantity of water in the lake. It appears to me that if cultivation is not begun in the ryots will have a difficulty in their first crop reaped before the monsoon rains. For some years

as there will be no difficulty (unless when
in the monsoon fails) but in the future
no when the irrigation has extended it
be will be very advisable to have the
the means of sparing the Periyar water
the during the first three months of the
wet year. The tanks in the Madurai
Per Talug would then be of great assistance
and of the more importance as it is —
be now thought that it will not be found
be advisable to keep more than 30 of the
the Melur tanks which are nearly all very
small and shallow.

I have the honor to be
Sir

your most obedt Servt

W. Hughes.

Sup^d Engineer

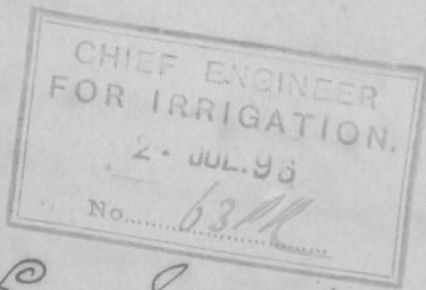
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The Chief Engineer
for Irrigation

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22 July 1896.

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18	19	20	21	22	23
Shodanai	Peria Kunnoy.	Potta Kunnoy.	Arasanguham.	Arasanguham.	Paravai
	By 4 1/2 19 Tank Good	Good.	By 1 1/2 19 Tank	By 1 1/2 19 Tank	By 1 1/2 19 Tank
	31.89	3.24	12.34	12.34	12.34
	7.66, 866 8.36	3.92	6.08, 6.86, 7.60	5.94	2.33
	254	"	112	108	270
	1620	57	523	489	23764
	489	17.83	97	910	4281
				347	347
				1422	579
					375.28
					34.03

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50	Mulakarumai	153	81	826	69	597.62	77.17	13-25	To be maintained
51	Anaiyur	124	140	8	9	18.37	-	-0.35	Good. To be maintained.
52	Kottungalai	43	146	31	11	4.3.5	1.51	Shankarai offshoot	To be maintained
53	Kodakulam	47	227	48	4, 6, 4.5	4.18	4.18	Anaiyur Tank	-0.35
54	Pudukulam			18	4		1.04		-0.35
55	Mudakkattangulam	29	73	18	5.5		1.44	Mayur Tank	-0.35
56	Chinnakamroy			6	4		0.35		-0.35
57	Thattamari	355	992	153	5.7.5.6.5	16.64		Vilangudi + Anaiyur Tanks	-0.35
58	Sellur Kamroy	185	945	117	3.7.8.6	14.59		Thattamari branch by Vairai	-0.35
59	Kulamangalam	242	1043	128	7.5.8.7.5	16.24		Thattamari Tank offshoot	-0.35
60	Peechi blank	78	240	34	3		1.48	Kulamangalam branch	To be maintained
61	Srinna blank	32	79	27	5				-0.35
62	Peechi blank	5	9	8	3.5				-0.35
63	Pedarani	2	4	14	4				-0.35
64	Periakulam	215	760	94	6.8.5	11.59		5th Branch	-0.35
65	Chinnakamroy	63	222	32	5.6.5			Periakulam	-0.35
66	Thennakulam	33	67	25	8			Periakulam	-0.35
67	Velakulam	14							-0.35
68	Pungazhulan	50	146	35					-0.35
69	Vannurkulam	28	51	27	4				-0.35
70	Kayamkulam	53	119	23	4				-0.35
71	Puliangulam	43	87	25	6				-0.35
72	Mechipparam	58	116	23	7				-0.35
73	Dammangam	2							-0.35
74	Kavur Tank	168	445	144	5.5.8	8.10		6th Branch	-0.35
75									-0.35
76									-0.35

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121	Kallandir	167	-	17	32	5.4.6.5.1	0.86	Good	To be abandoned		
122	Kallandir	30	89	11	69	5.05, 3.31	0.86	Good	To be abandoned		
123	Swicandur	26	90	16	85	3.8, 1.2.1	0.93	Swicandur	To be left as		
124	Swicandur	89	311	-	33	23	5.1, 4.8, 7.1, 3.4.2	7.1	Good	To be left as	
125	Pillayankulam	31	108	7	60	3.5, 5.2	0.57	Pillayankulam	Good	To be abandoned	
126	Kallandir	28	98	8	28	5.97, 1.5.2	0.72	5.1	Good	To be left as	
127	Swicandur	47	200	-	-	3.7, 3.9, 5.5	1.33	Swicandur	Good	To be left as	
128	Swicandur	54	219	-	-	2.5, 3.4, 6.9	4.96	Swicandur	Good	To be left as	
129	Swicandur	47	192	-	73	3.5, 7.1, 6.35, 5.1.7.9	5.1	Swicandur	Good	To be left as	
130	Swicandur	126	440	-	17	5	4.7, 6.6, 4.6.2	1.68	Swicandur	Good	To be left as
131	Swicandur	84	232	-	18	-	9	2.35	Swicandur	Good	To be left as
132	Swicandur	4	15	-	10	-	6	0.87	Swicandur	Good	To be left as
133	Swicandur	121	420	-	76	-	9	9.92	Swicandur	Good	To be left as

106	Shallakulam	9	19	33	5	2.39	Good	To be left as it is
107	Shallakulam	28	57	46	5	3.34	Good	To be left as it is
108	Shallakulam	9	20	50	4.5, 5	3.63	Good	To be left as it is
109	Shallakulam	45	103	62	5, 4.5	4.50	Good	To be left as it is
110	Shallakulam	14	44	9	4	0.52	Good	To be left as it is
111	Shallakulam	14	44	9	4	0.52	Good	To be left as it is
112	Shallakulam	14	44	9	4	0.52	Good	To be left as it is
113	Shallakulam	43	86	49	5	3.55	Good	To be left as it is
114	Shallakulam	91	298	77	6.00	6.69	Good	To be left as it is
115	Shallakulam	95	465	49	6.5, 7.1, 4.5	4.97	Good	To be left as it is
116	Shallakulam	95	465	49	6.5, 7.1, 4.5	4.97	Good	To be left as it is
117	Shallakulam	4	15	10	6	0.87	Good	To be left as it is

Department.

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19.8
For WHAT PURPOSE
Department. C. No.
J. No.

14878
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145	Shalavindal	14	50	-	3.95.14	0.60	—	—	—	—
146	Manicivilam	15	38	10	4.15.3.45	1.52	—	—	—	—
147	Shalavindal	50	177	17	7.4.3.2	1.11	—	—	—	—
148	Shalavindal	61	215	17	1.8.2.8.4.5	—	—	—	—	—
149	Shalavindal	23	-	-	3.03	—	—	—	—	—
150	Shalavindal	26	84	22	3.8.5.7	1.52	—	—	—	—
151	Shalavindal	53	131	37	3.8.5.25	2.82	—	—	—	—
152	Shalavindal	42	124	37	5.37.4.7	3.22	—	—	—	—
153	Shalavindal	124	435	-	123	16.07	—	—	—	—
154	Shalavindal	130	477	-	67	8.75	—	—	—	—
155	Shalavindal	358	1104	-	161	8.96.8.75	20.92	—	—	—
156	Shalavindal	4	13	10	4	0.58	—	—	—	—
157	Shalavindal	973	3768	-	578	10.11	92.19	—	—	—
158	Shalavindal	35	-	69	4.00	3.48	—	—	—	—
159	Shalavindal	43	150	21	3.29.13	0.91	—	—	—	—
160	Shalavindal	23	80	9	3.5.4.12	0.54	—	—	—	—

Department.

safety PWT

19.8.18

FOR WHAT PURPOSE.

C. No. Year

records

, dated

WHAT PURPOSE.

at. C. No.

Pro 14878

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169	Attickulam	35	87	18	14	4.3.25	4.1	0.53	—	De	—
170	Shettichirudak	32	—	9	—	4.11	—	—	—	De	—
171	Muthukumar and all	45	156	19	—	3.51	—	—	—	De	—
172	Shettichirudak	44	155	8	72	3.49	—	—	—	De	—
173	Shettichirudak	37	—	—	—	4.99, 3.25	2.68	—	—	De	—
174	Periyakadambangudi	6	—	—	—	2.7.6, 3.82	—	0.33	—	De	—
175	Shettichirudak	27	69	14	—	4.48, 3.1	—	0.76	—	De	—
176	Shettichirudak	6	22	17	—	2.45	—	0.60	—	De	—
177	Shettichirudak	19	63	17	53	2.25	—	0.57	—	De	—
178	Shettichirudak	4	9	13	4	2.00	—	0.39	—	De	—
179	Shettichirudak	8	20	7	65	3.7	—	0.41	—	De	—
180	Shettichirudak	48	169	19	64	4.56, 5.2	—	1.60	—	De	—
158	Shettichirudak	40	41	31	69	0.89, 0.63	—	0.28	—	De	—
159	Shettichirudak	14	28	—	—	—	—	—	—	De	—
160	Shettichirudak	30	—	29	47	2.3, 4.8, 3.30	—	2.05	—	De	—
161	Shettichirudak	—	—	50	31	1.1, 3.75	2.72	—	—	De	—
162	Shettichirudak	40	—	8	65	2.5, 1.2	—	0.31	—	De	—
163	Shettichirudak	—	—	—	—	—	—	—	—	De	—
164	Shettichirudak	8	28	4	71	3.3	—	0.22	—	De	—
165	Shettichirudak	56	193	10	—	5.15	—	0.75	—	De	—
166	Shettichirudak	—	—	—	—	—	—	—	—	De	—
167	Shettichirudak	—	—	—	—	—	—	—	—	De	—
168	Shettichirudak	17	60	13	34	3.35	—	0.64	—	De	—

Required for drinking purposes

Shettichirudak

Good to be allowed

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Good to be maintained

Department.

PURPOSE
No. Year

the Rec
710, da

FOR WHAT PURPOSE
Department. C. No.

IN PRO 1487
BTH
MLO 421
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Distampatty - 100 - To be maintained

St. Vincent's - 100 - To be maintained

100 - 100 - To be maintained

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100 - 100 - To be maintained

N.B.
Tanko (15 in number) marked X being small are not shown in the Dykes and are not available at present. The Dykes and water spread of some small tanks are not available at present. It will be seen that by abandoning the small tanks we lose only 15 of our total stor- out of 11852 acres tank bed only 3189 will be available for cultivation.
Signed J. W. Dwyer
29-6-96.
District Engineer
on Special duty

True copy!

Attchuk

are means of irrigation - To be kept it is.

St. Vincent's - 100 - To be maintained

100 - 100 - To be maintained

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100 - 100 - To be maintained

224	Shenkani	Shenkani Kammay 255 731	-	67	1.7	5.21, 4.01	5.10	1.07	100 -	To be maintained
225	Sanku Kammay	86	219	23	33	3.17, 2.78	-	0.45	100 -	To be maintained
226	Sanku Kammay	68	156	11	98	2.58, 2.2	-	1.07	100 -	To be maintained
227	Kattakulam	70	211	19	94	2.41, 3.7	-	1.37	100 -	To be maintained
228	Kattakulam	123	285	24	77	2.41, 3.38	-	1.25	100 -	To be maintained
229	Kattakulam	55	152	23	24	3.71, 2.8	-	1.00	100 -	To be maintained
230	Kattakulam	60	211	-	34	4.1, 3.86	2.03	-	100 -	To be maintained
231	Kattakulam	66	166	-	39	3.8, 6.8	3.94	-	100 -	To be maintained
154923, 66043, 5858 17449 3189 13 8663 49 11852 62 1230, 22 236, 79										
10	Shenkani	59	181	-	123	-	3	5.35	1.10	To be maintained
10	Shenkani	55	-	19	-	4	-	-	-	To be maintained
10	Shenkani	292	1330	-	78	9	5.4, 4.36	6.19	-	To be maintained
10	Shenkani	256	703	-	88	-	6.2, 3.68	7.92	-	To be maintained
10	Shenkani	193	495	-	201	-	7.5	21.89	-	To be maintained
10	Shenkani	38	78	30	-	5	-	2.18	-	To be maintained
10	Shenkani	11	-	8	-	3.18	-	0.37	-	To be maintained
10	Shenkani	32	58	14	39	3.91, 1.7	-	0.82	-	To be maintained
10	Shenkani	55	136	32	-	3.85	-	1.79	-	To be maintained
10	Shenkani	8	20	13	34	3.47	-	0.67	-	To be maintained
10	Shenkani	12	31	4	-	3.25	-	0.19	-	To be maintained
10	Shenkani	66	154	14	-	3.85	-	1.06	-	To be maintained
10	Shenkani	16	58	10	108	2.48	-	-	-	To be maintained

No 17th 4/8 0
Memo

the treatment.
With reference to the above
No 580 M D dated 29th May 1870
from the Supp Eng. Where in safety
the undersigned has been
the honor to say that many
as the Estimates sanctioned. I
for the Peruvian project list of
do not provide for the which
restoration of the tanks
which it is intended to
retain under the project
it seems necessary that
their restoration should be
carried out from Province &
funds under 43 minor works
& navigation - But he up to
deciding finally on the
incidence of the expenditure
- have the Supp Eng
is requested to report
the probable cost of
the tanks, their present
and anticipated
2 It has been decided
the Case of the Rushick
project that the Cos.

1870
Year of the Record
10. 710, date

FOR WHAT PURPOSE

Department. C. No.

Memo 14870
BTH
Memo 4217

62 78

Chof

for cultivation
should be debited to
"and Revenue" and
the same course will
be to be adopted also
in the case of the Panyar
project.

8/6
Rued
8/6

The S.E.V.I. Circle

24/8/96

No. 580 md,

OFFICE OF
Trichin
FROM
THE SUPERIN
TO
THE CHIEF

SIR,

It has been
down some of
fication of est
not entirely
works - It is
through which
estimates for
for the recon
or construction
or pot sluices
from Provincial
approved of
No. 11
BPR dated 3
circular case
orders have
similar case
2 - of the
in the area
probably one
In connexion

Clear
the project with the
ing in order all these
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ones affecting the safety
of railway, have been
neglected for many
the idea that they would
only all abandoned. I
it very shortly a list of
(including a table which
is advisable to refer to
sible I shall get a
the probable cost of these
works - I think these
put into thorough
funds by
time to time as it
is advisable to take up
for the recon
or construction
or pot sluices
from Provincial
approved of
No. 11
BPR dated 3
circular case
orders have
similar case
2 - of the
in the area
probably one
In connexion

I have the honor to be
Sir
your most obedient servant
W. Hughes
Supt. Engrs. & Road

Department.

19.8.1896
FOR WHAT PURPOSE
C. No.
Year
of the Record
No. 710, date

FOR WHAT PURPOSE
Department. C. No.
ImRo 14878
BTH
mlo 4217
186

5.62 7/8

31/7/96

208

major cultivation
should be debited to
"Land Revenue" and
the same course will
have to be adopted also
in the case of the Periyar
project.

Ruedt
8/6
8/6

lands cannot
drainage allowed
land, the
are to be breached
channels deepened
the tanks
and made
ation. Should
changed to the

tanks to be
considered that
these tanks is
as little as
cases it will
bandonment
in their drainage
water will
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therefore be
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the supply will
assessment
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to the project.
does not seem

right to cha
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airway, have been
ably neglected for many
the idea that they would
ly all abandoned. I
it very shortly a list of
(including a tank which)
ed advisable to re
I shall get a
probable cost of p
I think these
put into thorough
cial funds by
time to time as it
able to take up
the

I have the honor to be
Sir
your most obedient servant

W. Hughes.
Supt. Engr. Periyar

Department.

19. 8. 1890

FOR WHAT PURPOSE.	
C. No.	Year of the Records
	10. 710, dated

FOR WHAT PURPOSE.	
Department.	C. No.
MDRO 14878	
BTH	
MDRO 4217	
186	

5.62 7/8
2/8

31/7
96

for cultivation
 P. W. D. 6th CIRCLE

CHIEF ENGINEER
 FOR IRRIGATION
 No. 37PR

FROM
 THE SUPERINTENDING ENGINEER,
 6TH CIRCLE.

TO
 THE CHIEF ENGINEER,
 for Irrigation
 Co. 500 md
 9/30 } may 1896

Enclosures.

1/4.ification of estimates
 of works affected by the
 irrigation works: —
 Requesting instructions
 on the —
 26/8/96

Department.

PUBLIC WORKS DEPARTMENT
 IRRIGATION BRANCH

N^o 710 I. dated 19 August 1896
 PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the
 READ the following

From the Suptg Engineer 6 Circle (H.E. No 580 MD dated 29 May 1896)
 Do (H.E. No 17PR " 8 June 1896)
 Do (H.E. No 857, MD " 22 July 1896)

No 156 I.H.E. 2-36
 Submitted for the sanction
 of Government.

Order thereon.

A.S.H.
 5.8.96
 Jg
 11/8/96

The proposals of the Super-
 intending Engineer relative to the
 retention of some tanks and the
 abandonment of others under the
 influence of the Periyar main channel
 are approved. The proposals, if will
 be seen, are at present tentative
 and the arguments for their adoption
 forwarded by the Superintending
 Engineer appear to be both
 cautious and sound. The experience
 of two or more seasons only can
 give a clue to further action in
 this direction.

34/2/96

5.8.96
 31/7/96

19.8.1896

FOR WHAT PURPOSE.		
ent.	C. No.	Year
		10.

of the Records
 No. 710, dated

FOR WHAT PURPOSE.		
Department.	C. No.	Y
6 mro	14878	
BTH		
mro	42171	
186		
5.62	78	
	28	

Engine for Irrigation

2208

for cultivation
hon

P. W. CURRENT No. 7484

1/10/8

Tanks Commanded

Perceps main Camp

Dec: 18. 8.

Mr Hon. Mr. Cross. C. 8

To the Hon. Mr. Cross
from Comd.

Recd
12/8

15/8

Department.

WPT

19. 8. 1890

FOR WHAT PURPOSE.

C. No.

Year

of the Rec
10. 710, d

FOR WHAT PURPOSE.

Department.

C. No.

Mr Ro 1487

BTT

Mr Ro 1421

186

5.62 78

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