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Public Works (1897) Department.

G.O., No. 321 I

DATED 26. March 97

31/3/97

[Despatch Abstract.]

Sengaipallam Jungle Stream: Estimate of Rs. 2,620 for diverting - which crosses Pudukadu channel at about 1000 ft. below its head, Coimbatore Dt. Sanctioned.

100/-
6.

[illegible] 20/3/97

16 Accd. 27/3/97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 321 I., 26th March 1897.

MARCH.

Sengaipallam Jungle Stream

Estimate of Rs. 2,620 for diverting — which crosses Pudukadu channel at about 1,000 feet below its head, Coimbatore division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer for Irrigation, dated 19th February 1897, No. 36/J.

I have the honour to submit an estimate, amounting to Rs. 2,620, for diverting Sengaipallam jungle stream which crosses Pudukadu channel (No. 14 in the list of Minor Irrigation works in charge of the Public Works Department) in the first mile at about 1,000 feet below its head, and to request that you will be good enough to obtain early sanction of Government to the same, so that the work may be carried out before the next irrigation season.

2. The necessity for the proposed work is explained in the report accompanying the estimate.

ENCLOSURE.

REPORT to accompany estimate for diverting the jungle stream which crosses the Pudukadu channel at about 1,000 feet below its head.

Amount of estimate, Rs. 2,620.

2. The Pudukadu channel (No. 14) takes off from the left bank of the Kanchimahanadi river, a tributary of the Noyil, about 3 miles above its junction with the latter, by means of a masonry anicut.

3. The channel is about 2 miles long, has an ayacut of 473 acres and a revenue of Rs. 1,991. It is provided with a head sluice built a few years ago under a Tank Restoration Scheme estimate.

4. About 1,000 feet below its head, the channel is crossed by a large and deep jungle stream called the Sengaipallam (see tracing).

5. The jungle stream brings down a very large quantity of sand and entirely chokes up the channel frequently. The records show that complaints have been numerous since 1884. A proposal was then made to divert the jungle stream, but it seems to have fallen through as the ryots declined to contribute to the cost of the work.

6. The interested ryots have now recently petitioned to be allowed to construct a new anicut and channel head below the infall of the jungle stream at their own expense and to have the channel maintenance transferred to them, but whether on a reduced assessment, and if so, by how much, is not stated.

7. A new anicut and head sluice will probably cost not less than Rs. 8,000. It is doubtful whether the ryots could collect this amount.

8. The construction of an aqueduct to pass the jungle stream over the channel is not feasible (except at great expense) as the former is a deep and wide stream. There are also valuable tope lands between the channel and the river.

9. There is a surplus weir in the channel to pass the cross drainage. It does not work effectively, and considering the large volume of sand, &c., brought down, no work of this kind can be made efficient.

10. The most economical and satisfactory arrangement will be to divert the jungle stream (see tracing). It is now proposed to block the jungle stream by a strong revetted bank D E and to cut a new course A B by means of which the stream can be diverted into the river at F a little distance above the anicut.

11. The catchment area of the stream is 1·30 square mile.

Taking C = 500.
D = 600 cubic feet per second.

The proposed cut has a bottom width of 20 feet, side slopes ½ to 1, depth 5 feet, fall 1½ in 1,000, and will discharge 600 cubic feet per second.

12. The bank D E will be made up to 6 feet above calculated M.F.L. with top width 6 feet, slopes 1½ to 1, and the front slope will be revetted to 1½ feet above M.F.L.

13. The sand in bed of stream will be removed to the full width of the bank D E, and the soft kunker rock below will be trenched 9 inches deep. Cuts 2 feet horizontal will be made into the sides of the stream 12 feet wide at bottom and 6 feet at top. Earth will be thrown in layers of 9 inches and rammed, watering being done if necessary.

The revetment will be carried down into hard soil and will consist of 2 feet of stone in 9 inches of good gravel backing freed from earth.

14. The levels show that the natural ground on each side is well above the M.F.L.

15. The site of work is rather difficult of access and somewhat feverish and good rates are required. The land to be entered on is said to be Government waste.

ORDER—No. 321 I., dated 26th March 1897.

The following estimate is sanctioned:—

Irrigation.
43. Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
Coimbatore Division.

Diverting Sengaipallam jungle stream which crosses Pudukadu channel at about 1,000 feet below its head.

	Rs.
Estimate	2,620

2. This sanction is registered as No. 215 I. of 1896–97.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, IV Circle, with ~~four~~ 5 enclosures.
,, Examiner, Public Works Accounts.

Exd. C. M. Thumbuswamy.

Constructing Sengipallam supplementary channel from Pudukadu Channel

A.R.

No. 321 Dy 26.3.97

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Govt Order

UNDER date the

From Supdg Engr. IV Circle, No. 36/3, dy 19.2.97 with Report

READ the following

20

The following estimate is sanctioned:-

Irrigation

43. Minor Works Managed Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.

Original Works.

Coimbatore Dist.

Diverting Sengipallam jungle stream which crosses Pudukadu channel at about 1000 ft below its head.

Estimate Rs 2,620

2. This sanction is registered as No. 215 of 1896-97.

21.3.97

DS

23/3/97

Secy

W.H

23.3.97

LCS

24/3/97

T.C. No. 2893/97

W.H 26/3/97

To the Chief Engr for I.

Supdg Engr IV with Enclosures

Ex P.W.D. / D. 23/4/97

LCS

15/3/97

W.H

18.3.97

C.
26

Public Works (1897) Department.

CURRENT No. ~~H.C.C.~~ 3028

Order

From The Supg. Engineer
Hth Circle

3211

No. 36/8

Dated 19th February 1897

Received ~~24.2.97~~ 23.3.97

Enclosures ~~(4) Four~~ 16 (2 Plans)

Spare copies

SUBJECT.

Sengaipallam jungle Stream
Submits for sanction of
Govt an estt: amtg: Rs. 2620 for
diverting — duly explained
in the Report for the necessity
of the work.

24-2-97

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

257

Report to accompany estimate for diverting the jungle stream which crosses the Puducattoo channel at about 1000 feet below its head.

---

1 Amount of estimate Rs. 2620.

2 The Puducattoo channel (No 14) takes off from the left bank of the Kanchi-mahanadi river, a tributary of the Royil, about 3 miles above its junction with the latter, by means of a masonry anicut.

3 The channel is about 2 miles long, has an ayacut of 473 acres and a revenue of Rs 1991. It is provided with a head sluice built a few years ago under a T. R. S. estimate.

4 About 1000 feet below its head the channel is crossed by a large and deep jungle stream called the Sengaipallam, see tracing.

5 The jungle stream brings down a

very

very large quantity of sand and entirely chokes up the channel frequently. The records show that complaints have been numerous since 1884. A proposal was then made to divert the jungle stream but it seems to have fallen through as the ryots declined to contribute to the cost of the work.

6 The interested ryots have now recently petitioned to be allowed to construct a new anicut and channel head below the infall of the jungle stream at their own expense and to have the channel maintenance transferred to them, but whether on a reduced assessment, and if so, by how much, is not stated.

7 A new anicut and head sluice will probably cost not less than Rs 800. It is doubtful whether the ryots could collect this amount.

8 The construction of an aqueduct to pass the jungle stream over the channel

channel is not feasible (except at great expense) as the former is a deep and wide stream. There are also valuable tope lands between the channel and the river.

9 There is a surplus weir in the channel to pass the cross drainage. It does not work effectively and considering the large volume of sand &c^a brought down no work of this kind can be made efficient.

10 The most economical and satisfactory arrangement will be to divert the jungle stream. See tracing. It is now proposed to block the jungle stream by a strong rivetted bank DE and to cut a new course A B. by means of which the stream can be diverted into the river at F a little distance above the anicut.

11 The catchment area of the stream is 1·30 sq: miles. taking C = 500.

D = 600 cft per second.

The

The proposed cut has a bottom width of 20 feet, side slopes ½ to 1, depth 5 feet, fall 1½ in 1000 and will discharge 600 cft: per second.

12 The bank DE will be made up to 6 feet above calculated M.F.L with top width 6 feet slopes 1½ to 1 and the front slope will be revetted to 1½ feet above M.F.L.

13 The sand in bed of stream will be removed to the full width of the bank DE and the soft kunker rock below will be trenched 9" deep. Cuts 2 feet horizontal will be made into the sides of the stream 12 feet wide at bottom and 6 feet at top. Earth will be thrown in layers of 9" and rammed watering being done if necessary.
The revetment will be carried down into hard soil and will consist of 2 feet of stone in 9" of good gravel backing filled from earth.

14 The levels show that the natural ground on each side is well above the M.F.L.

15 The site of work is rather difficult of access and somewhat feverish and good rates are required. The land to be entered on is said to be Government waste.

Executive Engineer
Coimbatore Division

SUPR. ENGINEER'S OFFICE, P.W.D.
No. 127
9 FEB 97
ENCLD
FOURTH CIRCLE.

CHIEF ENGINEER
FOR IRRIGATION,
MADRAS.
No. 11 of 97

O.W.S.
3025 (87)

No. 36/2

Supdg Engineer's Office 4th Circle
19th February 1897

From

J. Hannan Esq
Superintending Engineer 4th Circle

To

The Chief Engineer
for Irrigation
Madras

Sir,

Encls: 4
1. Estimate
1. Report
1. Sheet of levels
1. Survey (Tracing)

I have the honor to submit an estimate amounting to Rs: 2,620 for diverting Sengaipallam jungle stream which crosses Puchikadu channel (No. 14 in the List of Minor Irrigation works in charge of the S. & D.) in the 1st mile at about 1000 feet below its head, and to request that you will be good enough to obtain early sanction of Government to the same, so that the work may be carried out before the next Irrigation season.

2. The necessity for the proposed work is explained in the Report accompanying the estimate.

I have the honor to be
Sir
Your most obedient Servt

J Hannan
Superintending Engineer

CHIEF ENGI
FOR IRRIGA
No. 11.C.9

IRRIGATION.

COIMBATORE DISTRICT.

Detailed List of "Imperial" Irrigation Works with Map and Abstract Statements of both "Imperial" and "Minor" Irrigation Works.

List of irrigation works classed as "Imperial" in the Coimbatore district, prepared in accordance with G.O., No. 284 I., of 5th May 1880.

Taluk.	No. on the map.	Source of supply.	Name of group or system.	Name of channels.	Length of channel.	Name of tanks.	Average cultivation of last five years.		Total of each group or system.		Remarks.
							Area.	Revenue.	Area.	Revenue.	
					M. C.		ACS.	RS.	ACS.	RS.	
Bhavâni.	1	Rainfed ...	Appagudal group.			Gettisamudram tank.	151	458			Specially classed as "Imperial."
	2	...	.....			Andyore tank ...	271	1,445			Do. do.
	3	...	.....			Bremmadesum tank...	131	284			Do. do.
	4	...	.....			Vambutty tank ...	192	318			Do. do.
	5	...	.....			Appagudal tank ...	91	181			
	6	Bhavâni river	Kodavelly anicut system.	Arakencottai channel.	20 22		4,118	26,404	836	2,686	
	7	...	.....	Thadapalli channel.	48 0		13,650	1,01,325			For each of these three channels a continuous record of expenditure is kept.
Erode ...	8	...	Calingaroyen anicut system.	Calingaroyen channel.	57 0		9,026	88,875			
Bhavâni.	9	Rainfed ...	Isolated ...			Koundappady tank ...	237	733	26,794	2,16,604	
	10	Rainfed ...	Isolated ...			Nagamalacolum or Ookorum tank.	329	614	237	733	
Erode ...	11	Rainfed ...	Palatholavu group			Kunnathur ...	92	340	329	614	
	12	...	.....			Sundakoipolliem tank.	106	391			Specially classed as "Imperial" as the group affects railway.
	13	...	.....			Puthurpallapolliem tank.	164	557			Do. do.
Coimbatore.	14	Chinna Nóyil river.	Chinna Nóyil anicut.	Pudukadu channel.	2 0		473	1,991	362	1,288	Do. do.
	15	Nóyil ...	Chitrachavadi anicut.	Chitrachavadi channel.	7 0		1,902	14,350	473	1,991	Supplied from an anicut on the Chinna Nóyil, a tributary of the Nóyil river.
											Supplied by the Chitrachavadi anicut, or 1st anicut on the Nóyil proper.

List of irrigation works classed as "Imperial" in the Coimbatore district, prepared in accordance, &c.—*cont.*

Taluk.	No. on the map.	Source of supply.	Name of group or system.	Name of channels.	Length of channel.	Name of tanks.	Average cultivation of last five years.		Total of each group or system.		Remarks.
							Area.	Revenue.	Area.	Revenue.	
					M. C.		ACS.	RS.	ACS.	RS.	
	16	...	.....			Pudukolam tank ...	79	500			Specially classed as "Imperial."
	17	...	.....	.....		Kolurampatti tank ...	102	717			Do. do.
	18	...	.....	.....		Narasambody tank ...	545	3,742			Since abandoned as an irrigation work, *vide* G.O., No. 335 I., of 14th April 1882.
	19										
	20	...	.....	.....		Kristnambody tank ...	527	2,981			
	21	...	.....	.....		Chelvambody tank ...	235	1,031			
	22	...	.....	.....		Comarasawmy tank ...	156	830			
						Chelvachintamony tank.	72	325			Specially classed as "Imperial."
	23	...	Kuniamuthur anicut.	Kuniamuthur channel.	8 0	.....	521	463	3,618	24,476	Since abandoned as an irrigation work, *vide* G.O., No. 335 I., of 14th April 1882.
	~~24~~	...	.....	.....		~~Perur Settiandicuttan tank.~~	~~37~~	~~2~~			Supplied by the Kuniamuthur anicut or 2nd anicut on Nóyil.
	~~25~~	...	.....	.....		~~Kongayuroyasamudram tank.~~	~~255~~	~~26~~			Specially classed as "Imperial."
	26	...									Transferred as M.W. Revenue Deptt. affecting Railway vide G.O. No. 933 R3/21-11-96.
	27	...	.....	.....		Kuniamuthur tank ...	892	2,727			
	28	...	Coimbatore anicut	Coimbatore channel.	2 0	Sengolam tank ...	612	2,421			
	29	...	.....	.....			210	1,718	2,317	5,639	
	30	...	.....	.....		Periacolum tank ...	1,415	10,995			Supplied by the Coimbatore anicut or 3rd anicut on the Nóyil river.
	31	...	Kuruchi anicut...	Kuruchi channel.	2 0	Velancolum tank ...	944	4,542			
							51	328	2,569	17,255	
	32	...	.....	.....		Kuruchi tank ...	387	1,508			Supplied by the Kuruchi anicut or 4th anicut on the Nóyil river.
									438	1,836	
	33	...	Vellalore anicut.	Vellalore channel.	4 0		286	1,761			Supplied by Vellalore anicut or 5th anicut on Nóyil.
	34	...	.....	.....	4 0	Vellalore tank ...	318	2,047			
									604	3,808	
	35	...	Singanellore anicut.	Singanellore channel.	2 0		412	2,984			Supplied by Singanellore anicut or 6th anicut on Nóyil.
	36	...	.....	.....	...	Singanellore tank ...	849	3,430			
									1,261	6,414	
Palladam	37	...	Odderpoliem anicut.	Odderpoliem channel	3 0		500	3,546			Supplied by Odderpoliem anicut or 7th anicut on Nóyil.
	38	...	.....	.....	...	Odderpoliem tank ...	260	942			
									760	4,488	
	39	...	Irugur anicut ...	Irugur channel ...	2 0		284	2,504			Supplied by Irugur anicut or 8th anicut on Nóyil.
									284	2,504	
	40	...	Sulur anicut ...	Sulur channel ...	1 0		230	1,516			Supplied by Sulur anicut or 9th anicut on Nóyil.
	41	...	.....	.....	...	Peniari tank ...	381	2,188			
									611	3,704	
	42	...	Rasipolliem anicut.	Rasipolliem channel.	2 0		403	1,846			Supplied by Rasipolliem anicut or 10th anicut on Nóyil.
									403	1,846	
	43	...	Mathappur anicut	Mathappur channel.	2 0		246	626			Supplied by Mathappur anicut or 11th anicut on Nóyil.
									246	626	
				Grand total of the Imperial irrigation under the Nóyil river ...			...	...	13,584	74,587	
Karúr ...	44	Cauvery ...	.....	Pogallur channel.	12 0		1,952	9,230			No anicut. Channel has a head sluice.
	45	...	.....	Vangal do.	9 0		979	9,679			No anicut.
	46	...	.....	Nerur do.	10 0		1,630	14,171			No anicut.
									4,561	33,080	
Udamalpet.	47	Amarávati...	Collapuram anicut.	Collapuram channel.	10 0		1,129	5,921			Supplied by the Collapuram anicut or 1st anicut on the Amarávati.
	48	...	Comaralingam anicut.	Comaralingam channel.	10 25		1,567	7,933			Supplied by the Comaralingam anicut or 2nd anicut on the Amarávati.
	49	...	Kannadiputhur anicut.	Kannadiputhur channel.	7 10		532	4,957			Supplied by the Kannadiputhur anicut or 3rd anicut on the Amarávati.

List of irrigation works classed as "Imperial" in the Coimbatore district, prepared in accordance, &c.—*cont.*

Taluk.	No. on the map.	Source of supply.	Name of group or system.	Name of channels.	Length of channel.	Name of tanks.	Average cultivation of last five years.		Total of each group or system.		Remarks.
							Area.	Revenue.	Area.	Revenue.	
					M. C.		ACS.	RS.	ACS.	RS.	
	50	...	Sholamadevi anicut.	Sholamadevi channel.	4 10		490	4,373			Supplied by the Sholamadevi anicut or 4th anicut on the Amarávati.
	51	...	Kadathur anicut.	Kadathur channel.	8 9		975	7,825			Supplied by the Kadathur anicut or 5th anicut on the Amarávati.
	52	...	Kaniyur anicut.	Kanyur channel.	5 10		261	2,318			Supplied by the Kaniyur anicut or 6th anicut on the Amarávati.
	53	...	Karatholaru anicut.	Karatholaru do.	9 5		439	4,141			Supplied by the Karatholaru anicut or 7th anicut on the Amarávati.
Dhárápuram.	54	...	Alinghiem anicut.	Alinghiem do.	7 20		991	9,783			Supplied by the Alinghiem anicut or 8th anicut on the Amarávati.
	55	...	Dalavoypatnam anicut.	Dalavoypatnam channel.	7 13		792	4,934			Supplied by the Dalavoypatnam anicut or 9th anicut on the Amarávati.
	56	...	Dhárápuram anicut.	Dhárápuram channel.	15 10		2,320	20,827			Supplied by the Dhárápuram anicut or 10th anicut on the Amarávati.
	57	...	Natural rock ...	Colingivadi channel.	8 45		758	6,293			Channel takes off from a line of rock across river which forms a natural anicut No. 11.
	58	...	Nungartalayur anicut.	Nungartalayur channel.	3 56		237	1,537			Supplied by the Nungartalayur anicut or 12th anicut on the Amarávati.
Karúr ...	59	...	Chinnadarapuram anicut.	Chinnadarapuram channel.	13 26		1,798	7,751			Supplied by the Chinnadarapuram anicut or 13th anicut on the Amarávati.
Dhárápuram.	60	...	Sundakoypolliem anicut.	Sundakoypolliem channel.	5 6		106	555			Supplied by the Sundakoypolliem anicut or 14th anicut on the Amarávati.
	61	...	Nanjacalacurichy anicut.	Nanjacalacurichy channel.	6 26		300	1,576			Supplied by the Nunjacalacurichy anicut or 15th anicut on the Amarávati.
	62	...	Pallapolliem anicut.	Pallapolliem channel.	17 49		3,308	15,822			Supplied by the Pallapolliem anicut or 16th anicut on the Amarávati.
	63	...	[illegible]	Thirumanellore do.	8 25		782	3,034			Channel takes off from a Korambu.
											Do. do.

List of irrigation works classed as "Imperial" in the Coimbatore district, prepared in accordance, &c.—*cont.*

Taluk.	No. on the map.	Source of supply.	Name of group or system.	Name of channels.	Length of channel.	Name of tanks.	Average cultivation of last five years.		Total of each group or system.		Remarks.
							Area.	Revenue.	Area.	Revenue.	
					M. C.		ACS.	RS.	ACS.	RS.	
	50	...	Sholamadevi anicut.	Sholamadevi channel.	4 10		490	4,373			Supplied by the Sholamadevi anicut or 4th anicut on the Amarávati.
	51	...	Kadathur anicut.	Kadathur channel.	8 9		975	7,825			Supplied by the Kadathur anicut or 5th anicut on the Amarávati.
	52	...	Kaniyur anicut.	Kanyur channel.	5 10		261	2,318			Supplied by the Kaniyur anicut or 6th anicut on the Amarávati.
	53	...	Karatholaru anicut.	Karatholaru do.	9 5		439	4,141			Supplied by the Karatholaru anicut or 7th anicut on the Amarávati.
Dhárápuram.	54	...	Alinghiem anicut.	Alinghiem do.	7 20		991	9,783			Supplied by the Alinghiem anicut or 8th anicut on the Amarávati.
	55	...	Dalavoypatnam anicut.	Dalavoypatnam channel.	7 13		792	4,934			Supplied by the Dalavoypatnam anicut or 9th anicut on the Amarávati.
	56	...	Dhárápuram anicut.	Dhárápuram channel.	15 10		2,320	20,827			Supplied by the Dhárápuram anicut or 10th anicut on the Amarávati.
	57	...	Natural rock ...	Colingivadi channel.	8 45		758	6,293			Channel takes off from a line of rock across river which forms a natural anicut No. 11.
	58	...	Nungartalayur anicut.	Nungartalayur channel.	3 56		237	1,537			Supplied by the Nungartalayur anicut or 12th anicut on the Amarávati.
Karúr ...	59	...	Chinnadarapuram anicut.	Chinnadarapuram channel.	13 26		1,798	7,751			Supplied by the Chinnadarapuram anicut or 13th anicut on the Amarávati.
Dhárápuram.	60	...	Sundakoypolliem anicut.	Sundakoypolliem channel.	5 6		106	555			Supplied by the Sundakoypolliem anicut or 14th anicut on the Amarávati.
	61	...	Nanjacalacurichy anicut.	Nanjacalacurichy channel.	6 26		300	1,576			Supplied by the Nunjacalacurichy anicut or 15th anicut on the Amarávati.
	62	...	Pallapolliem anicut. N side	Pallapolliem channel.	17 49		3,308	15,822			Supplied by the Pallapolliem anicut or 16th anicut on the Amarávati.
	63	...	S side	Thirumanellore do.	8 25		782	3,034			Channel takes off from a Korambu.
	64	...	N	Balambapuram do.	7 30		578	1,041			Do. do.
	65	...	N	Panchamadevi do.	6 41		335	1,649			Do. do.
	66	...	S	Sanaperetti do.	5 13		548	3,327			Do. do.
	67	...	S	Puliyur channel.	8 13		1,178	5,327			Do. do.
	68	...	N	Coyemhalli do.	3 30		814	3,362			Do. do.
							...	...	20,238	1,24,286	
	69	Rainfed ...	Veerakum tank group.								
		...	.....			Vellianai tank ...	359	1,237			
	70	...	.....			Uppadamangalam tank.	397	1,847			
									756	3,084	
Polláchi.	71	Sinnar* ...		Authoor channel.	3 0		203	599			* This is a tributary of the Auliar river.
	72	...		Pullivelangal do.	5 0		540	2,423			
	73	...		Arcapuram do.	8 0		971	3,507			
	74	...		Karaputty do.	7 0		551	2,730			
	75	...		Perianai do.	11 0		1,777	8,288			
	76	Auliar river.		Vadacalore do.	5 0		592	2,579			
									4,634	20,126	
Udamalpet.	77	Tennalar stream.†		Dhully do.		Alankolam tank ...	164	336			Specially classed as "Imperial."
				.....		Thenaikolam tank ...	156	524			Do. do.
	78	...		.....		Poosarinaickenkolam tank.	61	161			Do. do.
	79	...				Settikolam tank ...	197	739			Do. do.
	80	...		.....		Senkolam tank ...	235	801			
	81	...		.....		Karasakolam tank ...	161	479			Specially classed as "Imperial."
	82	...		.....		Thillanathukolam tank	108	545			Do. do.
	83	...		.....		Periakolam tank ...	1,046	3,684			† This stream eventually falls into the Amarávati.
	84	...		.....		Kandidootha Manickum tank.	258	1,168			
	85	...		.....					2,386	8,437	
	86	Coeayar stream.	Isolated ...	.....		Colamum tank ...	316	1,732	316	1,732	
						Grand total of "Imperial" irrigation works	...	...	75,033	4,87,257	
							ACS.	RS.	ACS.	RS.	
				.....			...	...	...	...	
	87	Gundala river.	Thadakarai channel anicut.	Thadakarai channel.	...	Thadakarai tank ...	74	221	...	...	
	88	Do. ...	.....	.....	...	.....	180	672	...	...	
	89	Do. ...	Palayam channel anicut.	Palayam channel.	...	Palayam tank ...	633	2,343	...	...	
	90	Do. ...	.....	.....	...	.....	1,135	4,056	...	...	
	91	Do. ...	Dodarunganathan channel anicut.	Dodarunganathan channel.							
						Dodarunganathan tank.	614	2,592	...	...	
	92	Do. ...	.....	.....	...	Chinnarunganathan tank.	514	2,420	...	...	*Vide* G.O., No. 476 I., dated 6th June 1891.
	93	Do. ...	.....	.....	...	Konganakarai tank ..	330	1,570	...	...	
Kollegál.	94	Do. ...	.....	.....	...	Mudikundam do. ...	119	580	...	...	
	95	Do. ...	.....	.....	...	Ambapuram do. ...	197	610	...	...	
	96	Do. ...	.....	.....	...	.....	237	733	...	...	
	97	Do. ...	Papanakarai channel anicut.	Papanakarai channel.	...	Papanakarai tank .	904	3,428	...	...	
	98	Do. ...	.....	.....	...	.....	204	556	...	...	
	99	Do. ...	.....	Thanakarai channel.	...	Thanakarai tank ..	136	476	...	...	
	100	Do. ...	.....	.....	...	Hondrabula do. ...	251	922	...	...	

ABSTRACT Statement of "Imperial" irrigation works in the Coimbatore district.

Name of works.	Channels. Main. Number.	Main. Length.		Branches or distributaries. Number.	Branches or distributaries. Length.		Number of tanks supplied.	Average of last five years. Area.	Average of last five years. Revenue.	Average revenue per acre.	Remarks.
		M.	C.		M.	C.		ACS.	RS.		
RIVER-FED TANKS AND CHANNELS.											
Bhavâni River.											
Tadapalli channel	1	48	0	5	28	4·64	...	13,650	1,01,325	7·4	A continuous record of expenditure is kept for each of these three channels.
Arkencotta do.	1	20	22	1	4	0	...	4,118	26,404	6·4	
Kalingaroyen do.	1	57	0	1	4	0	...	9,026	88,875	9·8	
Total (Bhaváni irrigation) ...	3	125	22	7	36	4·64	...	26,794	2,16,604	8·08	
Amarávati River.											
Callapuram channel	1	10	0				...	1,129	5,921	5·24	A continuous record of expenditure is kept for each of these twenty-two channels.
Comaralingam do.	1	10	25				...	1,567	7,933	5·06	
Kannadiputhur do.	1	7	10				...	532	4,957	9·32	
Sholamadevi do.	1	4	10				...	490	4,373	8·92	
Kadathur do.	1	8	9				...	975	7,825	8·02	
Kaniyur do.	1	5	10				...	261	2,318	8·88	
Karatholavu do.	1	9	5				...	439	4,141	9·43	
Alinghiem do.	1	7	20				...	991	9,783	9·87	
Dalavoypatnam do.	1	7	13				...	792	4,934	6·23	
Dhárápuram do.	1	15	10				...	2,320	20,827	8·99	
Colingivadi do.	1	8	45				...	758	6,293	8·30	
Nungartalayur do.	1	3	56	5	15	53·09	...	237	1,537	6·48	
Chinnadarapuram do.	1	13	26				...	1,798	7,751	4·31	
Sundakoypolliem do.	1	5	6				...	106	555	5·23	
Nunjacalacurichy do.	1	6	26				...	300	1,576	5·25	
Pallapolliem do.	1	17	49				...	3,308	15,822	4·79	
Thirumanellore do.	1	8	25				...	782	3,034	3·87	
Balambapuram do.	1	7	30				...	578	1,041	1·80	
Panchamadevi do.	1	6	41				...	335	1,649	4·92	
Sanaperetti do.	1	5	13				...	548	3,327	6·07	
Puliyur do.	1	8	13				...	1,178	5,327	4·52	
Coyemhalli do.	1	3	30				...	814	3,362	4·13	
Total (Amarávati irrigation) ...	22	176	72	5	15	53·09	...	20,238	1,24,286	6·14	
Nóyil River.											
Channels	12	37	0	...	...		...	5,518	33,633	6·00	
Tanks	...	...		...	...		18	8,066	40,954	5·00	
Total (Nóyil irrigation) ...	12	37	0	...	...		18	13,584	74,587	5·49	
Cauvery River.											
Channels	3	31	0	...	...		...	4,561	33,080	7·25	
Irrigation from Streams.											
Channels	6	39	0	...	...		...	4,634	20,126	4·34	
Tanks	...	...		...	...		10	2,702	10,169	3·76	
Total (Irrigation from streams) ...	6	39	0	...	...		10	7,336	30,295	4·13	
Rain-fed tanks	...	...		...	...		12	2,520	8,405	3·33	
Grand total ...	46	409	15·09	12	51	57·73	40	75,033	4,87,257	6·49	

CHEPÂK,
10th September 1883.

(Signed) A. S. RUSSELL,
Assistant Chief Engineer for Irrigation.

STATEMENT No. 1 of "Imperial" irrigation works, in the Coimbatore district, arranged according to sources of supply.

—	Above 10,000 and less than 15,000 acres.			Above 2,000 and less than 10,000 acres.			Above 1,000 and less than 2,000 acres.			Above 500 and less than 1,000 acres.			Above 200 and less than 500 acres.			Below 200 acres.			Total.		
	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.
		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.
Channels	1	13,650	1,01,325	4	18,772	1,51,928	8	12,933	72,971	15	10,924	66,007	16	5,309	34,615	2	157	883	46	61,745	4,27,729
River-fed tanks	..	..	..	..	..	..	2	2,461	14,679	4	3,297	13,120	11	3,717	18,166	11	1,293	5,158	28	10,768	51,123
Rain-fed tanks in groups	..	..	..	..	..	..	..	..	..	..	..	..	3	1,027	4,529	7	927	2,529	10	1,954	7,058
Do. tanks isolated	..	..	..	..	..	..	..	..	..	..	..	..	2	566	1,347	..	..	..	2	566	1,347
Total ..	1	13,650	1,01,325	4	18,772	1,51,928	10	15,394	87,650	19	14,221	79,127	32	10,619	58,657	20	2,377	8,570	86	75,033	4,87,257

STATEMENT No. 2 of "Imperial" irrigation works, in the Coimbatore district, classified according to the heads of account with their estimated annual outlay.

—	Channels.			Tanks.			Total.			Estimated annual outlay.			
	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	Original works.	Upkeep.	Special repairs.	Total.
		ACS.	RS.		ACS.	RS.		ACS.	RS.	RS.	RS.	RS.	RS.
System or works for which a continuous record of expenditure is kept	25	47,032	3,40,890	..	..	..	25	47,032	3,40,890	2,605	16,102	18,706	37,413
Other irrigation works classed as "Imperial"	21	14,713	86,839	41	13,288	59,528	62	28,001	1,46,367	702	..	13,245	13,947
Agricultural works	..	..	..	..	..	..	..	..	..	449	..	6,106	6,555
Total ..	46	61,745	4,27,729	41	13,288	59,528	87	75,033	4,87,257	3,756	16,102	38,057	57,915

STATEMENT No. 3 of "Minor" irrigation works in the Coimbatore district.

—	Works above 200 acres.			Works above 50 acres.			Works above 10 acres.			Works below 10 acres.			Total.			
	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	No.	Area.	Revenue.	Average revenue per acre.
		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.		ACS.	RS.	
Channels	7	4,026	13,164	14	1,350	4,014	8	237	578	1	8	11	30	5,621	17,767	3·16
River-fed tanks	7	3,442	13,261	12	1,268	4,293	5	168	633	..	..	..	24	4,878	18,187	3·72
Rain-fed tanks in groups	1	206	457	16	1,549	4,639	24	713	2,553	3	19	86	44	2,487	7,735	3·11
Do. tanks isolated	2	489	935	17	2,024	6,713	26	628	1,404	6	22	36	51	3,163	9,088	2·87
Miscellaneous works	3	1,074	964	4	439	1,399	11	241	620	*	183	446	18	1,937	3,429	1·77
Total ..	20	9,237	28,781	63	6,630	21,058	74	1,987	5,788	10	232	579	167	18,086	56,206	3·16

* Number cannot be ascertained as the works are lumped together in the District Irrigation Register.

STATEMENT No. 4 showing the irrigated area and revenue of all irrigation works in the Coimbatore district, and the proportions of direct and indirect irrigation.

—	Direct irrigation.		Average revenue per acre.	Indirect irrigation.		Average revenue per acre.	Total.		
	Area.	Revenue.		Area.	Revenue.		Area.	Revenue.	Average revenue per acre.
	ACS.	RS.		ACS.	RS.		ACS.	RS.	
"Imperial" irrigation works	61,745	4,27,729	6·92	13,288	59,528	4·48	75,033	4,87,257	6·5
"Minor" do.	5,621	17,767	3·16	12,465	38,439	3·08	18,086	56,206	3·1
Total ..	67,366	4,45,496	6·6	25,753	97,967	3·8	93,119	5,43,463	5·8