Archives I 10,006 16-8 77.

(1) Number of pages 6

(2) Date of repair 6-9-96

(3) Initials of the Referencer [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	1354	Press.
B.P. No.		Mis.

Dated 1.4.1878 197-.

Note to be folded or roughly handled

Calcutta, 1st February 1878.

My Dear Master,

The Government of India want to present with the Budget Estimates of 1878-79 a table showing the income from irrigation works on which expenditure has been incurred from "Extraordinary" funds. For some time Mr. Wilson, a selected Revenue Officer, was employed on considering the question how much of the Kistna "wet" revenue was fairly referrible to the Kistna delta works. As yet no report from him has reached the Government of India. I understand he has now been made a Judge; and, perhaps, the work of investigating the facts of the Kistna delta, and applying the procedure he might adopt there to allocating the "wet" revenue due to other great works, has been postponed.

Some table, however, showing the irrigation revenue due to the great works of your Presidency, is under the Secretary of State's orders urgently required for next Budget Estimates. If we cannot get an absolutely accurate statement, perhaps we can get a fair working approximation. If your Government would permit, I am sure that, after consulting Mullins and Stokes, you could furnish us with such figures as would, for the present, supply what we want with sufficient precision.

At present we only have your "wet" revenue totals [Public Works Irrigation G. O., No. 340 I, dated 22nd September 1877,] which show for the whole Madras Presidency—

(*a.*) irrigated ryotwaree lands paying wet rates, area	...	3,850,000 acres.
with a land revenue, less by remissions, of	...	170 lakhs.
(*b.*) irrigated zemindaree, inam and quit-rent lands, area		1,450,000 acres.
paying a land revenue and water rent of only	...	16 lakhs.
(*c.*) land revenue, of which some unascertained part is due to irrigation	... ...	64 lakhs.

But these figures include irrigation from all sources, and we have no means of distinguishing what is due to the particular works the returns of which we desire to ascertain. Probably the Collectors in the districts concerned would have no difficulty in saying, at least approximately, what are the areas of the ryotwaree and zemindaree, or other land irrigated by the works in the annexed list.

It would then only remain to arrive at an approximate estimate of the sum received as irrigation revenue on this area.

Now we see that, as far back as 1859 (Madras G. O. of December 1859), the Settlement Department was directed to charge a water rate of Rs. 3 per acre for a single crop; Rs. 4 per acre for perfect irrigation; and Re. 1 per acre for dry* crop irrigation. It would, therefore, be probably quite reasonable, and would be within the truth, to say generally that Rs. 3 per acre was, on the average, the share of the land revenue on "wet" land which might be fairly attributable to irrigation, if no other means existed of determining this. In the zemindaree and quit-rent lands we might, perhaps, take three-quarters of the land revenue as being attributable to irrigation.

* Dry crop irrigation does not materially affect the incidence of the water rates; for the returns of 1876-77 show that the irrigated "dry" crop is only 2 per cent. of the whole irrigated area.

In the Godavery and Kistna Districts, I think, a separate water rate is charged, and may be distinguished directly. If this can be done so much the better. But if it does not give a complete view of the case, then any proper allowance may be made to give a fairer result.

Anyhow, the main thing is to show for each of the specified works, or as many of them as possible, the approximate area irrigated, and a fair average water rate per acre. This would show fairly well the irrigation revenue

Calcutta 4/2

3 February 1878

My Dear Master

I send herewith a
by mistake omitted my
signature to the enclosed
letter to you.

Would you kindly

Let me know a telegram
to say whether or not you
can, and if possible
I shall be prepared
to give evidence for
such offence as you
think fit
within the next four
five weeks

Yours faithfully
Osmond

No.

From

Dated

FOR ORDERS.

FOR ORDERS.

1746

16

(2)

Courcy — v. Hart in ab
a copy extract of the
Register of the Diocese
of Meath
for the Parish of
Drumcondra
in the County of the City of Dublin
certifying the
Marriage solemnized
between
Thomas Courcy Bachelor
and
Mary Ann Hart Spinster
both
of this Parish
on the Twenty
Second day of
February
One thousand
Eight hundred
and Seventy
two

6

In the Name of God
Amen
I Thomas Courcy
of the City of Dublin
Gentleman
being of sound
mind memory and
understanding
do make publish
and declare this
my last Will and
Testament in
manner following
that is to say
First I
give and devise

Memorandum

Copy official from Calcutta dated 9th February 1909.

Information is required on the following points.

(a) The area irrigated under each of the works entered in the accompanying statement.

(b) The land revenue and water-rate charged on the area under (a).

(c) The proportion of the said land revenue under (b) which may be fairly attributable to irrigation.

Information under the 1st two heads can be readily given and

Central States Co-
operative Irrigation
Syndicate Limited
Registered Office
Bank Chambers
Corner of Main
and Market Streets
Chicago

Dear Sir

In reply to your
inquiry of the 10th inst.
we beg to say that
we have no
interest.

Yours truly
Albert
Feb 12th

15

-ven the accompanying statement.
As regards the 3rd head, o,
there is no difficulty as for
as the Godavery and Kistna
accounts are concerned, as a
separate water rate is charged
on all lands irrigated, but
under other works where Consoli-
-dated rates of assessment
prevail, it has first to be
decided what proportion of
the Consolidated assessment
should be taken as the charge
for water. The Board have
often represented that it is
impossible to make a division
and the best paper on
the

the subject (Boards Pro-
-ceedings, 5th September 1871
No. 4123) is now before Govern-
-ment If an arbitrary division
however would satisfy Govern-
-ment of India, the Board
suggested that 2/3rds of the
assessment may be taken to
represent the water rate, and
1/3rd the land tax. I think
that for the present purpose
the above suggestion may
be adopted and I have
calculated the water rate
accordingly and shown it in
(C). The amount however
does not include the proportion
of the Establishment chargeable
on

Board's Proceedings,
19 June 1875
No. 1698.

on irrigated land in Zemindaries.

This item cannot be readily ascertained, but its omission will not materially affect the results.

The following is an abstract of the accompanying Statement.

Name of work.	(a) area irrigated	(b) Land tax (wet and garden rate)	(c) Water rate (included in (b) at ½)
	Acres	Rs.	Rs.
Godavery Anicut	524,137	2,273,018	1,546,433
Kistna "	246,090	1,045,220	732,756
Penner "	54,102	212,331	144,703
Coleroon (upper & lower anicuts) "	906,097	4,013,823	2,780,068
Kokkenarumbakam Tank	7,571	19,176	12,854
Madras water supply	7,326	20,819	14,426
Calair anicut	21,291	119,873	82,092
Sreevykuntam anicut	30,019	158,657	106,297
Polaur anicut	The work was completed in 1867-7 the information required is not available.		

The information above given relates to Fasli 1285 in the case of all works except the Cauvery system for which it relates to Fasli 1283 no later information being available. The figures may be taken as the approximate income of the coming year.

Of Course the revenue shown above could be said to be the increased revenue due to the works, as a portion of the revenue now realized even before the works came into existence. The approximate

G.O. 20 May 1876 No. 1268 D. Dy.
Do 23 July 1876 No. 1923
Board's Pro. 5 Jan 1877 No. 4621
— Do 21 Dec 1877 No. 5731
— Do 19 Dec 1877 No. 5270.

increase due to each work, except the Madras water works project is given in the figures noted in the margin.

The following figures show the increased revenue resulting [illegible] in one year for Fasli 1283 for the Cauvery and for Fasli 1285 for all the other works

Godavery

Increased revenue £

Godavery Amount 1547521 — Vide Bd Rec's letter 1879 of 1st April. The Amount has to be added by the Examiner of D. W. Accounts the Net receipts in D. W. Including the Latter the Amount for F. 1287 was £ 1623310.

Kistna ..... 791739 — Vide Board's Rec's of Feb. 1878 of P. 215.
Do — Do for F. 1287 was £ 870578.
The difference between this and 791739 appears to be due to the difference in the method of Calculation of the revenue due to irrigation, which has been called upon to explain.

Penner ..... 106054 — Board's Rec's on the subject will be shortly forwarded.

Cauvery ..... 1160713 — Ltr. dt. 28 July 1876 No. 1923 S.P.W.

Madras Water Supply 6960 — This information has not been Communicated to Govt.

Chembrambakam Project 14372 — Board's Rec's 1st Dec. 1876 No. 5131

Palar Anicut ..... 59109 — Board's Rec's of 1st April F. 1285 was a bad year. In F. 1287, the increased revenue was £ 106868.

Sprightly Tank Report £ 1462

Revenue Board Office
Madras
12th February 1878

Board's Rec's of 1st April 1879.

A Scheduled
5 Sheets

Brief Statement of Income for Year 1885 (1292-93)

Work		A Area in Feddans	B Land Tax Assessment and Dues	Water Tax Receipts	Total	C Charges for water, dikes and other improvements chargeable to the owners of the lands benefited by the works
1	2	3	4	5	6	
		Acres	QRS	QRS	QRS	QRS
Sindoueq Delta	Government	252617	928268	100822	1529189	
* This differs from the area given in the Report of 1884 by 14,532 Acres. The Cattle Tax Area is exclusive of the Sindoueq District in the Nisha Markaz.	Sewan & Lewa's	20962	123297	5458	149717	
	Tax exemptions					
	Sewan & Lewa's	38308	"	"	"	
	Total	311937	1126585	106280	1678906	152648
Nisha Delta	Government	107381	294967	62738	465086	
* Of 2 Millions less forty Kha. Acres as 264256. Ms have been settled upon to keep them Nefferouse.	Sewan & Lewa's	6258	15407	1053	22718	
	Tax exemptions					
	Sewan & Lewa's	23161	"	"	"	
	Total	246990	310374	63791	620990	43764
Benesuef	Government	39909	85666	2896	128572	
	Sewan & Lewa's	11013	17269	6580	23849	
	Tax exemptions					
	Sewan & Lewa's	3187	"	"	"	
	Total	54102	202935	9446	212381	12463
Enaneq	Government	71617	339576	12076	351672	
* This area was not included in the Tanneh District in A.D. 1720 & 1876 A.H. 1268 A.D.	Sewan & Lewa's	9286	13735	1362	15097	
	Tax exemptions	29781	"	"	"	
	Colonies of Agric. Perf. Salary of Tanneh per Sect. Finance	10889	38258	2862	41120	
	Total	90697	391569	16299	407868	27006
Medras Sweet water	Government	6314	18808	1546	20354	
	Sewan & Lewa's	387	823	52	875	
	Tax exemptions					
	Sewan & Lewa's	625	"	"	"	
	Total	7326	19631	1598	21229	1132

A | B | C

Work	Sheet No / Name of Area	Area in Sqr. Miles	Land under cultivation	Waste, Uncultivated &c	Total	Charge for Work
		Acres	Ac	Ac	Ac	Rs
Chumbrambrukum Taluk	Government	6457	18338	210	18548	
	Inam & Service	556	628	"	628	
	For inscription of Inam & Service	556	"	"	"	
	Total	7569	18966	210	19176	12854
Pala Taluk	Government	17872	11216	619	11835	
	Inam & Service	1509	1128	410	1538	
	For inscription of Inam & Service	"	"	"	"	
	Total	21291	11344	6529	11873	82092
Kanakunnum Taluk	Government	28580	15052	1027	15079	
	Inam & Service	828	1828	528	2396	
	For inscription of Inam & Service	611	"	"	"	
	Total	30019	15880	1555	17435	106294
Palandoray Taluk	Completed in 1876-77 No information is available.					

Revenue Board Office
Madras
12th Feby 1878

	Area in gales	Land Assessment Quitrent	Water Tax	Total	Charge under 26th Sec. Estd. Assessment
	Cawny	D°			
Godavery Delta	524137	7,26,585	18,6433	227,018	18,6433
Kistna Delta	246950	3,12,644	7,32,756	10,45,220	7,32,756
Penaar's	54102	2,02,838	7,446	2,12,331	144,703
Cauvery	90697	38,51,266	162557	40,13,823	27,38,068
Madras Water work	7326	19,781	618	20,819	14,426
Chembrambaukum Tank	5571	18,966	210	19,176	12854
Palar Ancient	21291	113244	6529	119773	82092
Trivikontum Ancient	30,019	1,57,082	1575	1,58,657	96397
Palandoni Ancient		As enformation wanted as yet			
	1,190633	54,01,773	24,61,144	78,62,917	53,29,629

1359
15

Memorandum

No Zemindary lands are irrigated to any appreciable extent under any of the works named by Mr Barnard excepting the Kistna and Godavery which do not regarded these, full information as to the area irrigated and the peshcush charged thereon is not available. The following figures are however estimated on the best information available.

Description	A area charged in acres	B Landscape Estimated Land	Rate	Total	C charge for water
		Rs	Rs	Rs	
		Sandaway Annual			
Zemindary Government land	282,667	5,38,818	1000 832	15,94,180	1,00,832
Inam charged with Government water rate	20,210	38,237	53055	58292	4,53,355 + 4441 2 Gunnies
Zemindary Land charged with water rate	38652	16,234	90546	106,780	90,546
Zemindary Land Exempt from water rate having been Granted for the permanent Settlement	23,816	3703	"	3703	33,342
Inam Land charged with water rate	6692	"	"	"	"
Land not known to the Shrotriem of this Village but found in the Village Survey Book &c.	524,137	7,72,832	1,96,453	2,33,265	1,62,487
		Kistna District			
Wet Land	189,381	2,97,967	62,799	9,25,365	6,27,398
Inam charged with Government water rate	53052	14,497	6,495	79462	6,4965 + 4832 Gunnies
Zemindary Land charged with water rate	8496	4,673	40393	45,066	40,393
Zemindary Land Exempt from water rate having been Granted for the permanent Settlement	17,849	69,238	"	69,085	32,723
Inam Land charged with water rate	5312	"	"	"	"
	2,46,990	3,86,225	32,736	16,98,978	7,70,311

I have calculated the remarks at the foregoing table in the margin applicable to Bahar Zalla and Mugnie Zemindaries in which Canals are chiefly irrigated, taking the Land assessment of the

	Estimated rental	Peccash	Peccash Rupees	
Bahar Zalla	2,82,000	109,000	42	
Mugnie	1,71,000	95,000	55	

irrigated area at Rs 3 per acre, for Nunjaul and 1 Rupee per acre for dry converted into each

Malcolm & Co
Hyderabad
10/2/58

Rev

In determining what proportion of the total revenue derived from the area affected by the general works shall be credited to those works, the Board shall take as the basis of the standard assessment and water rate of system and for the purpose of providing such

Wheat land adjacent
meets and crosses
Lake Bear. The
Platte River
flows to the
S.E. to the Missouri
R. The Land
is rolling prairie
with a few Bluffs
along the River
and Lakes. There
are no streams
of any size
except the
Platte River
which is about
one quarter
mile wide
and shallow
with a sandy
bottom

Wheat fig 1 mea
This drought perfect
ripe and well
with the mark
Each wheat land
sufficiently for
the preparation
and sowing then
the average charge
is 1.R an acre
the average Cost
charge for an acre
of wheat land in
the river valley is
$2.00 for one crop
Wheat flour a barrel
$6.00 Land in

over the land over
which flow of the
the water finds and
taking an average
of all discharges
in which there
a considerable change
the water finds gauging at least
half of the average
5 of the average.

The figures given
given for the Kelvin
multiplying works
are perfectly accurate
for practical work
are of efficiency
in calculating table

is due to the works
in Egmindaside. The
Nilan however has
his figures prepared
on our fine actuals
for these works
throughout —

For the other
works the ratios
in Col 5 of the table
statement under han
B shown only the
hemispatic and
funnel pats as non
have in the table
account, and in
determining the mean
use to the works
2/3 of Col 6 shown
in table

enclosed in each bunjee
and the whole of
Col 5 the water rates
are taken as the
charge for water.
In the returns for
the Causeway only the
figures for Lunjee
and for the Kallimbeam
part of both Col 2
are given, as the
water rates levied
under the latter
Ordinance and the Lu-
shunfu Ordinance
are not the same as
mentioned
in the previous
[illegible]

of private canals
irrigated lands
in Tsingtao" alluded
to memorialists
land supplied before
the works were
constructed and the
entry of this under
the term C in the
second paragraph
of the Chinese
with fair fees
which relates to
cultivated land previous
memorialists under
Kiaochow under the
same as and C of
the first part of

irrigated lands
in Idaho.

The final tabulations
obtained in the
first paper has
nothing to do with
the present comparison
the figures being
merely those adopted
by the Board on
former occasions
and are based
on entirely different
data from those now
adopted being intended
to show the growth
due to the works.

The increased revenue
including land tax
alluded to is exclusive
of the land
assessment of the
lands supposed to
have been brought
under irrigation
plus the water rate
of all lands really
irrigated by the works.

The heading of Col 6
in the abstract in
the Statistical and
first paper might
pass "water rate
received" in this
column 6 of the total
is assessed

assessment for the
Kiahaikfadaery,
and calculated at
the same proportionate
rate for the Shares &c.

Memo explaining the
discrepancies between the
statement received from the
Chief Engineer for Irrigation
& that already forwarded
to Mr Bernard.

Rec 15 Oct 78
Mr Govt Shee ffs No 1352

Rec 15 Oct 78
Govt Shee ffs No 1352

Statement showing the amounts of outlay upto end of 1876-77 and the present and ultimate areas of irrigation under the Right and Left Banks of irrigation works for which Capital and Revenue accounts are kept in the Madras Presidency.

Name of Systems.	Outlay upto end of 1876-77								Present area irrigated			Ultimate area of irrigation	Remarks
	Works	Establishment	Tools and Plant	Total	Suspense account	Total	Less receipts on Capital Account	Net Capital charge	No. and date of G. O.	Year	Acres		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	£.	£.					
Godavery Delta	6,87,202	10,55,361	2,91,511 3,85,160	7,44,7074 7,60,423	40953	7,48,027 7,48,676	526	7,48,7501 7,49,150	574-I of 22nd November 1877	1875-76	5,19,705	6,06,900 x	Red pink figures include the outlay & plant transferred from Upper Godavery and much of it does not belong to the Delta.
Kistna Delta	39,31,526	7,08,378	64,335	47,05,239	62,486	47,67,725	1229	47,66,496	G. O. 2722 dated 4th October 74	1872-73	2,15,074	4,70,000	x These figures are obtained from the Chief Engineer for Irrigation's Memo. No 52 - Dated 2nd Feb 1878.
Pennair Anicut	11,49,835	2,25,597	20,843	13,97,275	5839	14,03,114	1	14,03,113	Rev. Dept. G. O. 3378-11 Dec. 1877	1873-74	33,462	77,000	
Coleroon Delta (including Upper and Lower Anicuts)	—	—	—	—	—	—	—	1352,413	G. O. 1417 of 22nd May 1875	1873-74	8,33,204	K	K There is no information to fill up this. The Engineer of 8 21 does not state that he cannot separate the outlay on the lower Anicut & the Godavery Delta, and the final Capital and Revenue Accounts are compiled on this work.
Cheambrambaukum Tank	4,17,578	1,02,872	4696	5,25,146	"	5,25,146	285	5,24,861	No. 6 of 4th June 1878 Rev. Dept.	1875-76	7,571	9,668 c	c. vide settlement report for 1874-75.
Palar Anicut	1,01,527	1,52,008	4387	1,257922	"	1,257922	"	1,257922	Rev. Dept. No. 3378 of 11 Dec. 1877	1875-76	21,291	27,387 g	g. vide settlement report for 1872-73 & excluding the irrigation on Chingleput District.
Pelandorai Anicut	2,19,146	46,985	2963	2,69,094	"	2,69,094	161	2,68,933			16,651	h	h. vide G. O. No 3880 of 4th December 1878.
Shriveilumtum Anicut	9,53,844	1,98,407	1317	11,53,570	"	11,53,570	202	11,53,368	R. D. No 3378 of 11 Dec 1877	1875-76	30,919	32,000 d	d. vide para 4 of letter No 3366 of 26 October 1868. Printed in Irrigation series - No 4.
Total	—	—	—	—	—	—	—	1824,849 1835,536			16,92,36		

Figures for Columns 2 to 9 are obtained from the Examiner's revised statement receiving the press

Fort St George
3rd April 1878

Elton Lieut
Irrigation RE
Ag. Deputy Chief Engr for Irrigation
for Chief Engineer for Irrigation

83/13 A. 337

Rec'd
1508/78.
Gal. Surveyor's Office

Enclosure 1.

Letter from Col. Mathews dated the 27th February 1878, the enclosure from the Commissioner of Crown Lands, Secretary for Mines and Minister of Agriculture of Ontario of 1876 [illegible] Rainy River District to be [illegible]

Post 2 Jan 3rd April 1878

Ellen Fee

To

The Surveyor General

Revenue 1878 Despatch
From No 11 1508
The Chief Engineer for Irrign

Dated 3 April 1878
Recd 4 do
Read 4 do
Entered
No. 1508

Statement showing accounts of outlay upto end of 1876-77 and the present and ultimate area of irrigation under the eight systems of Irrigation Works which each afford, in connection with information furnished by Mr C. Bernard

Revenue Department.

No. 1508

From Chief Engineer for Irrigation

Dated 3 April 1878

FOR ORDERS.

A memorandum is received from the Irrigation Office giving certain statement referred to Mr Bernard's letter of 8th ult. & 2nd instant. The amount of outlay upto the end of 1876-77 and the present and ultimate area of cultivation under the eight systems of Irrigation Works which each afford.

He must of course read the D.P.W. Statement as respects outlay - as observed in the note, it includes the Retired (Bernard's) as respects the Canal works -

The item to - Mutha the whole must be - with the explanation which the Govt. has recommended - & the figures already given in G.O. 9th April - will be most correct

9/5 78

Entirely under the Act
Etc. Inspectorate Est. to be established 6th April 78

Col 2 of this Statement showing the Interest and irregularities as to the first four months Col 2 in the Statement referred to G.O. 9 April 1878 No 561 R.D.

A Statement referred in the foregoing Letter from the Comptroller General showing the Variations between the Estimates and Actuals of Interest for the first four months of the current year.

Customs Lisbon January Camera

Estimate for the year 1878-9 as per Statement No 1 of 1878 £ 45,707 or Rs 4,57,070

Actuals for the first four months of the year 1878-9 as per Statement No 2 of 1878 £ 13,526 13 4 or Rs 1,35,261-5-4

Increase £ 1,818 6 8 or Rs 18,180

Decrease £ 33,999 or Rs 3,39,990

Increase and Decrease as per Statement No 3 of 1878 £ 35,817 6 8 or Rs 3,57,990

Estimate for the year 1878-9 as per Statement No 1 of 1878 £ 45,707 or Rs 4,57,070

Actuals for the first four months of the year 1878-9 as per Statement No 2 of 1878 £ 13,526 13 4 or Rs 1,35,261-5-4

Increase £ 1,818 6 8 or Rs 18,180

Decrease £ 33,999 or Rs 3,39,990

Increase and Decrease as per Statement No 3 of 1878 £ 35,817 6 8 or Rs 3,57,990

Estimate for the year 1878-9 as per Statement No 1 of 1878 £ 45,707 or Rs 4,57,070

Actuals for the first four months of the year 1878-9 as per Statement No 2 of 1878 £ 13,526 13 4 or Rs 1,35,261-5-4

Increase £ 1,818 6 8 or Rs 18,180

Decrease £ 33,999 or Rs 3,39,990

Increase and Decrease as per Statement No 3 of 1878 £ 35,817 6 8 or Rs 3,57,990

1559
32