

(1) Number of pages 28

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works***DEPARTMENT.**

G.O. No.

746(3)Press
Mis.

Dated

5 31877**Not to be folded or roughly handled**

Read the following papers:—

No. 97. From Captain L. CONWAY-GORDON, R.E., Examiner of Public Works Accounts, to Lieutenant-Colonel J. MULLINS, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 8th January 1877, No. 362 W.

With reference to G.O., No. 3,287, dated 5th December 1876, communicating a list of sections and sub-sections of the Striviguntum anicut system, I have the honor to inquire whether it is the desire of Government that expenditure on this system shall be classified with reference to those sections and sub-sections.

2. In his note printed with Proceedings of Government, No. 2,574, of 27th September 1876, the Chief Engineer for Irrigation states that these sections are "for the convenient exhibition of areas of irrigation and revenue, year by year, as also for the record of expenditure," and as Government then requested the Chief Engineer for Irrigation to furnish me with a copy of the list of sections and sub-sections, I inferred that Government desired that these sections should receive recognition in the accounts, and I am strengthened in this conclusion by the fact that Government have now communicated to me a list of the sections.

3. Finding, however, that the sections and sub-sections could not, from the information at the disposal of this office, be classified and arranged according to the scheme of classification prescribed in G.O., No. 1,504, dated 17th June 1876, I asked the Chief Engineer for Irrigation to be so good as to classify the sub-sections for me.

4. The Chief Engineer for Irrigation states in reply that the sub-sections cannot, in his opinion, be classified in the manner suggested by me, and he adds that this office will not apparently be concerned with these sub-sections.

5. I therefore respectfully request that I may be informed of the wishes of Government in this matter; and in doing so, I must point out that the Government of India have requested, and this Government have directed, that all statements of account whatever shall be submitted under the signature of the Examiner; and that therefore if these sections and sub-sections are to form the basis of any statement of expenditure, they must be recognized in this office, in which case it will apparently be necessary that they shall be classified in accordance with the scheme of classification already prescribed by Government.

No. 118-W.

No. 97-A. Note by the Chief Engineer for Irrigation.

It appears to be unnecessary that the sub-sections of the Striviguntum anicut system should be recognized in the accounts to be maintained in the Examiner's Office. It is further considered by the undersigned unnecessary that any notice should be taken by the Account's Office of the sections.

2. The Government of India have prescribed a classified system for the record of expenditure, and such record has to be therefore maintained. In the detail laid down in the orders of the Government of India the record will be of no use to the Irrigation Department, but certain abstracts therefrom will be made use of for administrative purposes. It will be sufficient if the Examiner records outlay against the several works of the accompanying classified general abstract of the system.

FORT ST. GEORGE,
21st February 1877.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
5th March 1877. No. 746.

Classified Abstract of the Estimate for the Striviguntum Anicut Project, Tinnevely District.

Position.	Particulars.	Amount of the Estimate.	Total.
MS. CHS.	STRIVIGUNTUM ANICUT SYSTEM.	RS.	RS.
	CAPITAL EXTRAORDINARY.		
	<i>Direct Charges:</i>		
	I.—Works.		
	(1.) Head Works.		
	B. Land.		
	Compensation	...	37,000
	C. Works.		
	Striviguntum Anicut	...	1,99,800
	K. Buildings.		
	Puthugoody Bungalow	3,888	
	Temporary sheds	4,859	
	O. Miscellaneous.		8,747
	Sundries	...	...
	Damage to materials	27,027	
		5,000	
		32,027	
	Total, (1.) Head Works ...	...	2,77,574
	(2.) Main Canals and Branches.		
	South Main Channel.		
	D. Regulators.		
	Head sluice	12,300	
	Screw gearing	800	
	F. (1.) Other cross drainage works.		13,100
	Tricalore syphon sluice	2,240	
	Two inlets at 1-42 and 1-53	480	
	G. Bridges.		2,720
	Alwar-Tinnevely bridge	3,200	
	Kalasegarapatam road bridge	4,180	
	Tricalore bridge	6,280	
	L. Earthwork.		13,660
	Excavating south main channel	67,000	
	Stone pitching	1,100	
		68,100	
	Total, South Main Channel ...	...	97,580
	North Main Channel.		
	D. Regulators.		
	Head sluice	18,200	
	Screw gearing	1,785	
	E. Falls and Weirs.		19,985
	Dam	920	
	Dam	240	
	F (1) Other cross drainage works.		1,160
	Yeral under tunnel	9,700	
	Perungulum surplus embankment	3,500	
	Outfall channel	3,800	
	Seven inlets at 0-8, 0-15, 0-46, 1-4, 1-28, 1-55, and 2-1	720	
		17,200	
		17,720	

Proceedings of the Madras Government, Public Works Department,
5th March 1877. No. 746.

Classified Abstract of the Estimate for the Striviguntum Anicut Project, &c.—(Continued).

Position.	Particulars.	Amount of the Estimate.	Total.
MS. CHS.	<i>Direct Charges—(Continued).</i>	RS.	RS.
	G. Bridges.		
	Sivaramungalum bridge	4,310	
	Mungalacurchy do.	4,970	
	Siruthundu do.	3,300	
	Palayakayal road do.	3,415	
		15,995	
	H. Escapes.		
	Double dam	7,020	
	Yeral bridge and calingulah	4,760	
		11,780	
	L. Earthwork.		
	North main channel	96,075	
	Stone pitching	2,660	
	Causeway	3,700	
		1,02,435	
	N. Tanks and Reservoirs.		
	Muruthoray tank	492	
	Do. calingulah	2,695	
		3,187	
	Pottakulam tank	12,050	
	Do. calingulah	6,035	
	Revetment	11,920	
		30,005	
	Chinnasamy Naiken or Korum- pullum tank	34,190	
	Escape weir or Uppaur Odai dam	39,310	
	Revetment	70,880	
		1,44,380	
	Total, North Main Channel ...	...	1,77,572
	Total, (2) Main Canals and Branches ...	...	3,46,647
	(3.) Distributaries.		
	South Main Channel.		
	Kadamba Branch Channel.		
	C. Works.		
	Kadamba head sluice	...	3,140
	Total, Kadamba Branch Channel ...	...	3,140
	Autur Branch Channel.		
	C. Works.		
	Autur head sluice	1,696	
	Screw gearing	250	
	Drop	720	
	Do.	940	
	Aqueduct	3,690	
	Trichendore road tunnel	1,140	
	Yeral road tunnel	1,140	
	Suthuvoycal calingulah	1,585	
	Inlet	240	
		11,401	

Proceedings of the Madras Government, Public Works Department,
5th March 1877. No. 746.

Classified Abstract of the Estimate for the Striviguntum Anicut Project, &c.—(Continued).

Position.	Particulars.	Amount of the Estimate.	Total.
MS. CHS.	Direct Charges.—(Continued).	RS.	RS.
From 5 20 To 9 25 1 67	L. Earthwork.		
	Autur branch channel	17,075	
	Rough stone pitching	1,200	18,275
	Total, Autur Branch Channel ...	...	29,676
	Puriur Channel.		
	C. Works.		
8 32	Head sluice	3,365	
8 32	Screw gearing	790	
10 43	Dam	510	
11 17	Syphon sluice	920	
8 61	Bridge	3,395	8,980
	L. Earthwork.		
From 8 32 To 10 53	Channel	...	7,830
	N. Tanks and Reservoirs.		
13 3	Ammenpura calingulah	1,115	
From 10 53 To 13 77	Improving Ammenpura and Kanum tanks... ..	825	1,940
	Total, Puriur Channel ...	...	18,750
	Kanum Channel.		
	C. Works.		
17 1	Drop	1,270	
14 65	Paleput syphon sluice	715	1,985
	L. Earthwork.		
From 13 65 To 18 63	Channel	...	35,200
	N. Tanks and Reservoirs		
13 65	Kanum tank and calingulah	...	3,325
	Total, Kanum Channel ...	...	40,510
	Tuluken Channel.		
	C. Works.		
13 67	Head sluice and drop	940	
0 46	Drop	555	1,495
	L. Earthwork.		
From 0 0 To 0 63	Channel	...	2,560
	N. Tanks and Reservoirs.		
From 0 63 To 2 35 2 26	Tuluken tank	2,590	
	Do. calingulah	920	3,510
	Total, Tuluken Channel ...	...	7,565

Proceedings of the Madras Government, Public Works Department,
5th March 1877. No. 746.

Classified Abstract of the Estimate for the Striviguntum Anicut Project, &c.—(Continued).

Position.	Particulars.	Amount of the Estimate.	Total.
MS. CHS.	Direct Charges.—(Continued).	RS.	RS.
	Avudayar Channel.		
	N. Tanks and Reservoirs.		
From 0 76 To 4 2 3 19	Avudayar tank	6,903	
	Do. calingulah	1,846	8,749
	Total, Avudayar Channel ..	...	8,749
	Channel between Kanum and Ellapanaiken tanks.		
	N. Tanks and Reservoirs.		
From 18 19 To 29 10 19 77	Ellapanaiken tank	8,411	
	Do. calingulah	1,745	10,156
	Total, Channel between Kanum and Ellapanaiken tanks ...	...	10,156
	Minor Distribution.		
	C. Works.		
	Small sluices	...	9,000
	L. Earthwork.		
	Small channels	...	7,500
	Total, Minor Distribution ...	...	16,500
	Total, South Main Channel ...	...	1,35,046
	North Main Channel.		
	Keelpudugai Channel.		
	C. Works.		
2 64 2 64	Keelpudugai head sluice	1,921	...
	Screw gearing	250	2,171
	Total, Keelpudugai Channel ...	...	2,171
	Korkai Channel.		
	C. Works.		
8 66 8 66	Korkai head sluice	1,320	...
	Screw gearing	250	1,570
	Total, Korkai Channel ...	...	1,570
	Tuticorin Town-supply Channel.		
	C. Works.		
27 77	Bridge on cotton road	...	2,500
	L. Earthwork.		
From 23 53 To 29 25	Tuticorin channel	...	14,112
	Total, Tuticorin Town-supply Channel ...	...	16,612

Proceedings of the Madras Government, Public Works Department,
5th March 1877. No. 746.

Classified Abstract of the Estimate for the Strivignam Anicut Project, &c.—(Continued).

Position.	Particulars.	Amount of the Estimate.	Total.
MS. CHS.	<i>Direct Charges—(Continued.)</i>	RS.	RS.
	Minor Distributaries.		
	C. Works.		
	Small sluices	...	9,600
	L. Earthwork.		
	Small channels	...	25,500
	Total, Minor Distributaries ...	...	35,100
	Total, North Main Channel ...	...	55,453
	Total, (3) Distributaries ...	...	1,90,499
	(4.) Drainage and Protective Works.		
	North Main Channel.		
	L. Earthwork.		
	Uppaur Odai embankment	...	27,200
	Total, (4) Drainage and Protective Works .	...	27,200
	Total, (I) Works ...	...	9,39,500
	II—Establishment	...	1,73,982
	III—Tools and Plant	...	6,105
	Total, direct charges ...	...	1,119,587
	VI—Indirect charges.		
	23. Capitalization of abatement of land revenue	...	18,500
	Grand Total ...	...	11,38,087

Abstract.

Particulars.	(1) Head Works.	(2) Main Canals and Branches.	(3) Distri- butaries.	(4) Drainage and Protective Works	Total.
Head works	RS. 2,77,574	RS. ...	RS. ...	RS. ...	RS. 2,77,574
South main channel	...	97,580	1,35,046	...	2,32,626
North do.	...	3,46,647	55,453	27,200	4,29,300
Total ...	2,77,574	4,44,227	1,90,499	27,200	9,39,500
II.—Establishment	...	...	...	...	1,73,982
III.—Tools and Plant	...	...	...	...	6,105
Total, direct charges ...	...	...	...	...	11,19,587
VI.—Indirect charges	...	...	...	...	18,500
					11,38,087

FORT ST. GEORGE,
21st February 1877.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department
5th March 1877. No. 746.

No. 98.

ORDER THEREON, 5th March 1877, No. 746.

IRRIGATION, No. 10.
Account.

COMMUNICATED to the Examiner of
Public Works Accounts.

(True Extract.)

Lieut.-Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Tinnevely.
,, Examiner of Public Works Accounts.
,, Chief Engineer for Irrigation.

Exd. A. Grubert.
Spars Copies

Classified abstract of the Estimate for the
Striviguntam anicut project Tinnevely District.

Position miles	Chain	Particulars	Amount of the estimate	Total	Remarks
		<u>Striviguntam anicut System</u> <u>Capital Extraordinary</u> <u>Direct charges.</u>			
		<u>I - Works</u>			
		(1) Head Works			
		B. Land Compensation		37000	
		C Works			
		Striviguntam anicut-		199800	
		K Buildings.			
		Puthugoody Bungalow	3888		
		Temporary sheds	4859	8747	
		O Miscellaneous			
		Sundries	27027		
		Damage to materials	5000	32127	
		Total (1) Head works		277574	
		(2) Main Canals & Branches			
		South Main channel			
		D Regulators			
		Head sluice	12300		
		Screw gearing	800	13100	
		F Other crop drainage works			
		Trickle syphon sluice	2240	2240	
3	49	2 bridges at 1+281-53	480	2720	
		G Bridges			
3	9	Alwar Tinnevely bridge	3200		
		Carried over		15320	
				3200	15320

Position		Particulars	Amount of the Estimate	Total	Remarks
Miles	Chains				
		Brought forward	3200	15820	
		Kalasegarapatam		15340	
3	51	road bridge	4180		
4	23	Tricalore Bridge	6280	13660	
		L. Earth work.			
		Excavating South			
6	5	Main channel	67000		
	32	Stone pitching	1100	68100	
		Total South main channel		94100	
				97580	
		North main channel.			
		D. Regulators.			
		Head Sluice	18200		
		Screw gearing	1785	19985	
		E. Falls and Weirs.			
		Dam	920		
3	9	Dam	240	1160	
		F. Other cross drain- age works.			
8	69	Yeral under tunnel	9700		
7	21	Perungulum surplus embankment	3500		
		Out fall channel	3800		
		7 Inlets at 0-8, 0-15, 0-26 1-4, 1-28, 1-55 and 2-1	720	17720	
			1440	18440	
		G. Bridges.			
4	29	Sivaramangalum bridge	4310		
6	71	Mungalacurthy do	4970		
9	4	Siruthundu do	3300		
11	61	Palayakayal road bridge	3415	15995	
		H. Escapes.			
11	47	Double dam	7020		
		Carried over	7020	55580	

Position		Particulars	Amount of the Estimate	Total	Remarks
Miles	Chains				
		Brought forward	7020	55580	
		Yeral Bridge and low- lingulah	4760	11780	
	8 75	L. Earth work			
		North main channel	96075		
	From 0 0 to 12 36	Stone pitching	2660		
	8 76	Causesway	3700	102435	
		N. Tanks and reservoirs.			
	From 15 47 to 16 12	Muruthoray Tank 492			
	15 79	do - Galingulah 2695	3187		
	From 15 79 to 18 44	Pottakulam Tank 12050			
	18 2	do - Galingulah 6035			
	From 17 35 to 18 1	Revetment 11920	30005		
		Chinnasamy Vaiken or Korumpullum tank 34190			
	From 18 14 to 23 14	Escape weir or Uppar			
	Centre 22 2	Odai dam 39310			
	From 18 14 to 23 14	Revetment 70880	144380	177572	
		Total North main channel		347367	
		Total (2) Main Canals & branches		111227	
				144467	
		(3) Distributaries.			
		South Main Channel.			
		Kadamba branch chan- nel.			
		C. Works.			
	5 32	Kadamba head sluice	3140		
		Total Kadamba branch channel		3140	

			Particulars	Amount of the Total Estimate	Remarks
			Autur Branch channel L. Works.		
	5	20	Autur Head sluice	1696	
	5	20	Screw gearing	250	
	3	26	Drop	720	
	1	69	Do	940	
			Aqueduct	3690	
	0	56	Trichendore road		
	1	36	tunnel	1140	
	5	55	Yeral road tunnel	1140	
	0	20	Suthuvoyal Ca- -lingulah	1585	
From	5	20	Impr.	240	11,161
To	9	25	L. Earthwork		11,401
	1	67	Autur branch chan- -nel	17075	
			Rough stone pitching	1200	18,275
			Total Autur branch chan- -nel		37,676
					29,436
			Puriur channel. L. Works.		
	8	32	Head sluice	3365	
	8	32	Screw gearing	790	
	10	43	Dam	510	
	11	17	Syphon sluice	920	
	8	61	Bridge	3395	8980
From	8	32	L. Earth work.		
To	10	53	Channel		7830
	13	3	N. Tanks and reservoirs		
From	10	53	Ammenpuzham Calin- -gulah	1115	
To	13	77	Improving Am- -menpuzham and Kanam tanks	825	1940
			Total Puriur channel		1940
					18,750

			Particulars	Amount of the Total Estimate	Remarks
			Kanum channel L Works		
			Drop	1270	
			Palepuh Syphon sluice	75	1785
			L Earthwork		
			Channel		35200
			N. Tanks and reservoirs		
			Kanum tank Calin- -gulah	3325	
			Total Kanum channel		40510
			Tulukin channel L Works		
			Head sluice and drift	740	
			Drop	555	1495
			L Earthwork		
			Channel		2560
			N. Tanks and Reservoirs		
			Tulukin tank	2570	
			Do - Calingulah	720	3510
			Total Tulukin channel		7565
			Avudyar channel N. Tanks and Reservoirs		
			Avudyar tank	6900	
			Do - Calingulah	1846	8742
			Total Avudyar channel		8742
			Channel between Kanum and Ellapanachin tanks		
			N. Tanks and Reservoirs		
			Ellapanachin tank	8411	
			Do - Calingulah	1745	10156
			Total Channel between Kanum and Ellapanachin tanks		10156
			Minor Distribution L Works		
			Small sluices		9000

P.W.D.

2300

No 118 W.

Note by the Chief Engineer for Irrigation

Enclosures 1

It appears to be unnecessary that the Sub Sections of the Strivignur Ancient system should be recognized in the accounts to be maintained in the Examiners Office. It is further considered by the undersigned unnecessary that any notice should be taken by the Accounts Office of the sections.

2 The Government of India have prescribed a classified system for the record of expenditure, and such record has to be therefore maintained. In the detail laid down in the orders of the Government of India the record will be of no use to the Irrigation Department, but certain abstracts therefrom will be made use of for administrative purposes. It will be sufficient if the Examiner records outlay against the

P. 5:1/77 P. 5:1/97

27th Feb 1876. 2574
 2 Aug 1871
 1 Oct 1875. 2831
 10 July 1868.

P.W.D.
 1877 3 1877
 No. 2300

From
 the Chief Eng. for Irrigation.

Dated 21st Feb. 1877.
 Recd. 2nd Mar. 1877

Encls.

No. 118-14.

Strivakuntam Anicut System -
 Tirunelveli District - Note stating that
 the sub-sections of the - need not
 be recognized in the accounts
 to be maintained in the Engrs
 Office.

N. 97a

FROM L. CONTAY-GORDON.

EXAMINER, P.W. ACCOUNTS.

TO THE SECRETARY TO GOVERNMENT,

PUBLIC WORKS DEPARTMENT.

NO. 262.W.

PORT ST. GEORGE. 8TH. JAN. 1877.

SIR,

WITH REFERENCE TO G.O. NO. 2287 DATED 5TH. DECEMBER 76,
 COMMUNICATING A LIST OF SECTIONS AND SUB-SECTIONS OF THE
 SRIVAIKUNTAM ANICUT SYSTEM, I HAVE THE HONOR TO ENQUIRE
 WHETHER IT IS THE DESIRE OF GOVERNMENT, THAT EXPENDITURE
 ON THIS SYSTEM SHALL BE CLASSIFIED WITH REFERENCE TO THOSE
 SECTIONS AND SUB-SECTIONS.

IN HIS NOTE PRINTED WITH PROCEEDINGS OF GOVERNMENT
 NO. 2574 OF 27TH. SEPTEMBER 1876, THE CHIEF ENGINEER FOR IR-
 RIGATION STATES THAT THESE SECTIONS ARE 'FOR THE CONVENIENT
 EXHIBITION OF AREAS OF IRRIGATION AND REVENUE YEAR BY YEAR,
 AS ALSO FOR THE RECORD OF EXPENDITURE,' AND AS GOVERNMENT
 THEN REQUESTED THE CHIEF ENGINEER FOR IRRIGATION TO FURNISH
 ME WITH A COPY OF THE LIST OF SECTIONS AND SUB-SECTIONS, I
 INFERRED THAT GOVERNMENT DESIRED THAT THESE SECTIONS SHOULD
 RECEIVE RECOGNITION IN THE ACCOUNTS, AND I AM STRENGTHENED
 IN THIS CONCLUSION BY THE FACT THAT GOVERNMENT HAVE NOW

COMMUNICATED TO ME A LIST OF THE SECTIONS.

3. FINDING HOWEVER THAT THE SECTIONS AND SUB-SECTIONS COULD NOT, FROM THE INFORMATION AT THE DISPOSAL OF THIS OFFICE, BE CLASSIFIED AND ARRANGED ACCORDING TO THE SCHEME OF CLASSIFICATION PRESCRIBED IN G.O.NO. 1504 DATED 17TH. JUNE 76 I ASKED THE CHIEF ENGINEER FOR IRRIGATION TO BE SO GOOD AS TO CLASSIFY THE SUB-SECTIONS FOR ME.

4. THE CHIEF ENGINEER FOR IRRIGATION STATES IN REPLY THAT THE SUB-SECTIONS CANNOT, IN HIS OPINION, BE CLASSIFIED IN THE MANNER SUGGESTED BY ME, AND HE ADDS THAT THIS OFFICE WILL NOT APPARENTLY BE CONCERNED WITH THESE SUB-SECTIONS.

5. I THEREFORE RESPECTFULLY REQUEST THAT I MAY BE INFORMED OF THE WISHES OF GOVERNMENT IN THIS MATTER; AND IN DOING SO I MUST POINT OUT THAT THE GOVERNMENT OF INDIA HAVE REQUESTED, AND THIS GOVERNMENT HAVE DIRECTED THAT ALL STATEMENTS OF ACCOUNT WHATEVER SHALL BE SUBMITTED UNDER THE SIGNATURE OF THE EXAMINER; AND THAT THEREFORE IF THESE SECTIONS AND SUB-SECTIONS ARE TO FORM THE BASIS OF ANY STATEMENT OF EXPENDITURE, THEY MUST BE RECOGNIZED IN THIS OFFICE, IN WHICH CASE IT WILL APPARENTLY BE NECESSARY THAT THEY SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SCHEME OF CLASSIFICATION ALREADY PRESCRIBED BY GOVERNMENT.

I HAVE THE HONOR TO BE

SIR,

YOUR MOST OBEDE. SERV.

Lawrence Jordan

1877. P.W.D.
9 JAN 77
177
FROM THE EXAMINER.

P.W. ACCOUNTS.
TO THE SECRETARY TO GOVERNMENT,
P.W. DEPARTMENT.

NO. 262.W.

DATED. 8TH. JAN. 1877.
RECD.

ENQUIRES WHETHER THE EXPENDITURE ON THE SRIVAİKUNTAM ANICUT SYSTEM SHALL BE CLASSIFIED BY SECTIONS AND SUB-SECTIONS.

N^o 97-

1. Form No. 22.

No 746
Public Works Department.
25
PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 5 March 77
Read the following:—

Note by the Chief Engr. for Irrigation. — (H.E. No 118-W. 9/21 Febry 1877)

Communicated to the Examiner of Public Works Accounts.

by 2/3

H.E. Pinnally ✓
H.E. A. ✓
Ch. Engr. ✓

Ord 24, 3-77

Correspondence

of 1877 Madras.

PUBLIC WORKS.

To

D. B. Sinnerally

Dated

Issued

Recd.

Encl.

March 1877, No. 746

Nos. 97-98

Strivingturn Aricut
System, Sinnerally Dr

*note by the Chief Mags for
Sinnerally relative to the class-
ification of the — with
reference to sections & sub-
sections, Command the Ho of
H. M. S. S.*

But no Ref.