No of Sheets 33

Date of Repair 2·3·88

Initialed of Repairer.

TAMIL NADU ARCHIVES.
GOVT OF TAMIL NADU

G.O NO: 1532 W dt 8-6-1887

Public Works Department.

1532
1

8TH JUNE 1887, No. 1532 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

> Despatch from the Right Honorable Lord CROSS, Her Majesty's Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 24th March 1887, No. 3 (Public Works).
>
> The budget estimates for the year 1887-88, transmitted with the letter from your Public Works Under Secretary, No. 227 W., dated 25th January 1887, show the total cost of your Public Works establishment to be estimated at Rs. 20,20,614. This establishment is employed on the construction of new and the maintenance of existing works, as well as the general administration of the Public Works in charge of the department, including in the case of the Irrigation Branch the control over the distribution of water.
>
> 2. The system under which the total cost of the Public Works establishment is distributed over the different heads under which the operations are conducted makes it impossible to determine with any accuracy the true cost of the establishment employed on any particular work or class of works. This method of distributing the establishment charges has been adopted as the simplest and most convenient plan of adjusting the Imperial and Provincial accounts; but I should wish the budget statement to be supplemented by a table showing as accurately as possible the real or approximate amount of the actual establishment charges applicable to the construction of new works, in other words to Capital expenditure, compared with the expenditure shown in the budget on the staff employed on maintenance.

From the Examiner,	Public Works	Accounts,	dated 27th	April	1887,	No.	58.
Do.	do.	do.	„	9th May	„	„	96.
Do.	do.	do.	„	20th „	„	„	132.

ORDER—dated 8th June 1887, No. 1532 W., Public Works.

Ordered that the Secretary of State be addressed.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. J. Henricus.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 8th.

Recd. *Encl.*

G.O., 8th June 1887, No. 1532 W.

JUNE.

Establishment Charges

Ordered that the Secretary of State be addressed with reference to his request that the Madras Public Works budget estimates may in future be framed so as to show the — actual or approximate applicable to the construction of new works compared with the charges applicable to works of maintenance.

~~G.O. No. 1532 dt. 8-6-1887 Printed copy not~~

1532/2

16th March 1887, No. 192 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From Major A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 4th February 1887, No. 1771 T.J.

With reference to paragraph 4 of your note, No. 162 I., dated 13th November 1886, embodied in G.O., No. 782 I., dated 17th November 1886, I have the honor to report that Rs. 9,570-1-3, as detailed below, is the total saving effected in the amount provided for tools and plant in the sanctioned estimate of the Cauvery and Vennár regulators :—

	RS.	A.	P.
Saving on tramway	3,089	6	11
Do. on wagons	438	7	3
Do. on other tools	269	12	5
	3,797	10	7
By sale to Rushikulya division—			
Tramway	2,448	6	0
Wagons	370	0	0
Special machinery	2,582	0	0
	5,400	6	0
Refunds on account of sale of other tools up to December 1886	372	0	8
Total ...	9,570	1	3

2. The Collector of Tanjore has been asked to sell, by public auction, the land purchased for Vennár new cut, and let me know the amount realised. I shall report to you when I learn from the Collector the actual amount realised.

3. I have the honor to forward, for sanction, the estimate for widening the Vennár new cut in front of Vennár regulator, for Rs. 4,000, and request that it may be sanctioned from the savings on tools and plant and the reserve with the Government.

Office note to the Examiner of Public Works Accounts, dated 8th February 1887, No. 17.
" from " " " 19th " " " 755.

No. 29 I.

Submitted to Government.

2. The figures representing the saving effected on the amount provided for tools and plant in the sanctioned estimate for the Cauvery and Vennár regulators have been verified by the Examiner of Public Works Accounts and found correct, with the exception of the sum of Rs. 372-0-8 shown under Refunds on account of sale of other tools up to December 1886, which amounts only to Rs. 371-0-8. The total saving therefore amounts to Rs. 9,569, from which sum it is recommended that the estimate of Rs. 4,000, for widening the Vennár new cut, may be sanctioned. The balance of

the saving, viz., Rs. 3,780, after deducting Rs. 1,789, the percentage charge for establishment, may be added to the sum reserved for unforeseen works, which will then be increased to Rs. 4,199.

Dowlaishweram, (Signed) J. PENNYCUICK, Lieut.-Col., R.E.,
7th March 1887. Offg. Chief Engineer for Irrigation.

To the Offg. Joint Secretary to Government,
Public Works Department, Irrigation Branch.

Order—dated 16th March 1887, No. 191 I., Public Works.

The estimate, amounting to Rs. 4,000, for widening the Vennár new cut in front of Vennár regulator, is sanctioned, subject to the approval of the Government of India to the following redistribution of the sanctioned estimates for the Cauvery and Vennár regulators :—

	Existing sanction.	Revised sanction.
	RS.	RS.
Works	5,23,073	5,30,853
Establishment	1,11,275	1,13,064
Tools and plant	32,740	23,171
Loss by exchange	3,620	3,620
Total ...	6,70,708	6,70,708

2. This sanction has been registered as No. 207 I. of 1886-87, and classified as shown below :—

Capital Expenditure on Public Works (not charged against Revenue).
48. Irrigation.
Cauvery Delta System.
I. Works.
(2) Main Canals and Branches.
L. Earthwork.

Widening Vennár new cut in front of the Vennár regulator, Estimate	Rs. 4,000

3. Ordered that a copy of these proceedings be forwarded to the Government of India, with the request that the redistribution of the sanctioned estimates for the Cauvery and Vennár regulators, shown in paragraph 1 above, may be sanctioned.

(Here enter No. 192 I., dated 16th March 1887.)

(True Extract.)

(Signed) JOHN PENNYCUICK, Lieut.-Col., R.E.,
Offg. Joint. Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, VI Circle, with one enclosure.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts, with abstract estimate for note and return to Superintending Engineer, VI Circle.
" Revenue Department.

Endorsement—dated 16th March 1887, No. 192 I., Public Works.

Forwarded.

(Signed) JOHN PENNYCUICK, Lieut.-Col., R.E.,
Offg. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

Exd. E. Fernandez.
Spare Copies

1882
3

IRRIGATION.
ACCOUNT.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated March, 16th.

Recd. *Enc.*

G.O., 16th Mar. 1887, No. 192 I.

MARCH.

Vennar New Cut

Forwarding to the Government of India copy of proceedings sanctioning an estimate of Rs. 4,000 for widening the —, in front of the Vennár regulator, with request for sanction to certain redistribution of the sanctioned estimates for the Cauvery and Vennár regulators.

1532

STATEMENT showing Works carried out by Establishment specially employed thereon.

System of Irrigation Works.	Year.	Capital Expenditure.	Establishment.											Percentage of Establishment on Capital Expenditure.
			Proportionate charge for direction Superintending Engineer and Chief Engineer for Irrigation).	Proportionate charge for Accounts (Central office).	Engineer.	Upper Subordinate.	Lower Subordinate.	Petty.	Accounts.	Office.	Travelling Allowances.	Contingencies.	Total.	
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Sangam	1881-82	1,20,522	7,980	4,021	15,179	5,830	..	3,175	612	2,235	2,725	2,157	43,914	36·4
	1882-83	4,01,946	4,057	2,424	26,906	13,681	..	11,442	1,207	5,170	1,867	784	67,538	16·8
	1883-84	4,54,899	21,255	8,851	24,074	16,531	..	12,486	1,319	5,476	2,666	1,466	94,124	20·7
	1884-85	4,96,590	23,555	9,159	22,408	17,068	..	11,558	1,403	6,861	3,693	640	96,345	19·4
	1885-86	4,19,345	20,656	8,837	16,233	18,517	485	11,271	1,615	7,267	5,024	1,277	91,182	21·7
	1886-87	2,14,256	11,149	5,339	15,795	11,848	385	7,698	1,812	6,995	5,433	768	67,222	31·4
Average ..	..	3,51,259	..	..	..	..	..	..	..	..	..	..	76,720	21·8
Cauvery-Vennár	1882-83	25,561	262	154	550	184	..	12	80	151	62	214	1,669	6·5
	1883-84	84,318	3,940	1,641	7,729	3,501	..	401	1,031	2,633	523	334	21,733	25·8
	1884-85	1,35,959	6,449	2,508	7,900	4,248	100	1,347	1,200	3,114	680	406	27,952	20·6
	1885-86	1,84,554	9,091	3,889	8,574	4,162	600	1,223	1,200	2,628	680	409	32,456	17·6
	1886-87	77,411	4,028	1,929	5,335	2,333	333	625	844	1,343	254	156	17,180	22·2
Average ..	..	1,01,560	..	..	..	..	..	..	..	..	..	..	20,198	19·9

India Office.
London. 24th March 1887.

1582/4

Public works.

No 3.

Sir,

The Budget Estimates for the year 1887-88, transmitted with the letter from your Public works Under Secretary, No 227 W, dated 25th January 1887, show the total cost of your Public works Establishment to be estimated at Rs. 20.20.614. This establishment is employed on the construction of new and the maintenance of existing works, as well as the general administration of the Public works in charge of the Department, including in the case of the Irrigation Branch, the control

His Excellency.
The Right Honorable,
The Governor in Council,
Fort St George.

control over the distribution of water.

2 The system under which the total cost of the Public Works Establishment is distributed over the different heads under which the operations are conducted makes it impossible to determine with any accuracy the true cost of the establishment employed on any particular work or class of works. This method of distributing the establishment charges has been adopted as the simplest and most convenient plan of adjusting the Imperial and Provincial Accounts; but I should wish the Budget Statement to be supplemented by a table showing as accurately as

[illegible]

as possible the real or approximate amount of the actual establishment charges applicable to the construction of new works, in other words to capital expenditure, compared with the expenditure shown in the Budget on the staff employed on maintenance.

I have the honor to be,
Sir,
Your most obedient
humble servant,
(signed) Cross.

No. 1

Public Works

24th March 1887

Copy
Letter to Fort St George

No. 3.

I.S.C

P.W. 3008/87

Recd 21 April/87

Obs m/w.

W M 21.4.87

m/

1887.

P. W. DEPARTMENT.

Current No. 3008

153/8

From

The Secretary of State for India

ENCLOS.—

No. 3

Dated 24th March 1887

Received 20th April 1887

SUBJECT.

Requesting the Budget statement of the cost of P.W. Establishment to be supplement by a table showing as accurately as possible the real o approximate amount of th actual establishment char applicable to the construct of new works, in other words capital expenditure show the Budget on the staff employed on maintenan

DISPOSAL.

~~No.~~ ~~Dated~~

No. 1409 Dated 20 April 87

To.

C

For favor of remark

(Sd) J.O.H

W
18/4/87.

B

Decd

3373 W.D./22-12-86

1887/10

Despatch from S. of S.

No. 38 of 24-3-87

SAW

When G.I.'s reply comes in, the papers referred to by W.S. can be looked up — C.

18.4.87

3373 Wd/ 22-12-86

1583/11

Despatch from the Secy of State No 3 of 24.3.87

To W

It does not seem practicable to furnish a statement of the kind wanted by the Secy of State, inasmuch as our executive estab is employed indifferently in the supervi of new works & repairs.

In the case of Irrigation works alone are separate establts. employed for maintenance, but these are chiefly petty establts., & it would apparently be impossible to allocate the

1585/12

pay of the engineers & upper subordinates employed on such works between new works & repairs —

The despatch might perhaps be sent to C for remarks.

Ca
17.6.87

Yes, but there was a statement prepared by C shewing the expenditure on Estabt employed on Crown & [illegible] Roads &c where the Exec: Engr had only that work to look after & this might be printed shewing what the cost of Estab is when works are concentrated. Naturally it is impossible to shew the cost under ordinary circumstances.

18.6.87

1532/11

DC/6

Despatch of 4.6.87

Please examine this for suggestions [illegible] Recd. —

Perhaps these outside need not be sent

4.6.87

Ca
4/6/87

With reference to your letter of 24th March 1887 Public Works No 3, we have the honour to observe that as the percentage for establishment is calculated on the total expenditure, including the construction of new & the maintenance of existing works, it is not possible to ascertain the true cost of the establishment employed upon any particular work, unless as in the case of the two large systems of Irrigation works, detailed in the accompanying statement, ~~[illegible]~~ separate establishments ~~[illegible]~~ have been maintained.

In an ordinary Public Works division the construction of new works is carried on by the same establishment that is responsible for maintenance; and no part of the establishment is charged ~~[illegible]~~ to any head other than those shown in the statements referred to.

It is extremely difficult to form ~~any~~ a correct estimate of the value of the work done by any establishment, by a comparison between the cost of the establishment and the expenditure on works; for the amount of supervision & engineering establishment required in the earlier stages of a system of works, may be quite as large as when the investigations have been

W M 21.11.7

completed, and the expenditure largely increased; also the expenditure may be on works requiring ~~no superin~~ scarcely any supervision such as materials or stores purchased.

10.5.87

IV

~~1532/13~~

P.W.C. 3534.

I propose to omit Rushikulya from the statement, as the outlay has been so small compared with the cost of establishment.

Others ie Sangam & Cauvery-Vennar are fair examples of the percentage of establishment to works, in cases where the former is concentrated, ~~an~~ on one system — or on one work.

10.5.87

11-5-87

81

India Office.
London. 24th March 1887.

1582/14

Public Works.

No. 3.

[illegible] the [illegible] Genl. Estab.+

+B. No. at Madras of 16-4-87

Sir,

The Budget Estimates for the year 1887-88, transmitted with the letter from your Public Works Under Secretary, No. 227 W. dated 25th January 1887, show the total cost of your Public Works Establishment to be estimated at Rs. 20,20,614. This establishment is employed on the construction of new and the maintenance of existing works, as well as the general administration of the Public Works in charge of the Department, including in the case of the Irrigation Branch, the control

His Excellency,
The Right Honorable,
The Governor in Council,
Fort St. George.

control over the distribution of water.

2 The system under which the total cost of the Public Works Establishment is distributed over the different heads under which the operations are conducted makes it impossible to determine with any accuracy the true cost of the establishment employed on any particular work or class of works, This method of distributing the establishment charges has been adopted as the simplest and most convenient plan of adjusting the Imperial and Provincial Accounts; but I should wish the Budget Statement to be supplemented by a table showing as accurately as

as possible the real or approximate amount of the actual establishment charges applicable to the construction of new works, in other words to capital expenditure, compared with the expenditure shown in the Budget on the staff employed on maintenance.

I have the honor to be,
Sir,
Your most obedient
humble servant,

Cross

1532/17

3378 W. d/22. 12. 86

R No 35 d/21/4/87

No. 1409 C dated 20 April 1887

To
C

For favor of
remarks.

18/4/87
W

P.W.C. No 3000
No 2
32

Public Works

24th March 1887

The
Letter to Fort St George

No 3

Recd 14 April /87.

R. 20.4.87

1532 / R

No 1409 C 20-4-87
- 1921 - 16-3-87
- 227 W - 25-1-87

No. 1579 C.

Government of Madras.

PUBLIC WORKS DEPARTMENT,

Chepâk, 7th May 1887.

OFFICE NOTE.

From W

To C

Your office note No 58 d/ 27.4.87

The accompanying statement will show what works were carried out by establishment specially employed for them. Please be so good as to check the figures shown in the statement and return the same at your earliest convenience

(Sd) WLCB
DW.

B.W
7/5

D
7/5

J.S

[C. No. 8.]

1532
19

GOVT. OF MADRAS. 1887. P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 27th April 1887.

OFFICE NOTE No. 58

To
W.

Enco: on

Your Office Note No. 1409 C. dated 20th April 1887.

I understand that there are no works whatever which are carried out by separate Establishments retained specially for such works, and even when there are special establishments (e. g. conservancy) for a special kind of work, they are not charged accordingly. It is therefore impossible to give anything but percentages calculated on the Budget provision for works. Is it likely that this will meet the Secretary of State's requirements? If so, please state for what works the information is to be given.

C.

KEEP-WITH Genl. No.

dated 188 .

P.ᵀᴬC. Nº 3238

R. 28-4-87
S.1

Nº 1579 ca 7-5-

n: 1
PV 3884/87

Separate

Statement showing works carried out by Establishment specially employed thereon for them.

8

ENCLOSURE 96 17 MAY 87 EXAMINER ACCOUNTS

1532
21

System of Irrigation Works	Year	Capital	Establishment											Percentage of Establishment on Capital Expenditure	Remarks
		Expenditure	Proportionate charges for Direction (5E&E9)	Proportionate charges for Accounts (Central office)	Engineer	Upper subordinate	Lower subordinate	Petty	Accounts	Office	Travelling Allowances	Contingencies	Total		
Sangam	1881-82	1,20,522	7,980	4021	15,179	5,830	-	3,175	612	2,235	2,725	2,157	43,914	36.4	
	1882-83	4,01,946	4057	2424	26,906	13,681	-	11,442	1,207	5,170	1,867	784	67,538	16.8	
	1883-84	4,64,899	21255	8851	24,074	16,531	-	12,486	1,319	5,476	2,666	1,466	94,124	20.7	
	1884-85	4,96,590	23,555	9159	22,408	17,068	-	11,658	1,403	6,861	3,693	640	96,345	19.4	
	1885-86	4,19,345	20656	8837	16,233	18,517	485	11,271	1,615	7,267	5,024	1,277	91,182	21.7	
	1886-87	2,14,256	11,149	5339	15,795	11,848	385	7,698	1,812	6,995	5,433	768	67,222	31.4	
	Average	3,51,259									Average		76,720	21.8	
Cauveri-Vennar	1882-83	25,561	262	154	550	184	-	12	80	151	62	214	1,669	6.5	
	1883-84	84318	3940	1641	7,729	3,501	-	401	1,031	2,633	523	334	21,733	25.8	
	1884-85	1,35,959	6449	2508	7,900	4,248	100	1,347	1,200	3,114	680	406	27,952	20.6	
	1885-86	1,84,564	9091	3889	8,574	4,162	600	1,223	1,200	2,628	680	409	32,456	17.6	
	1886-87	77,411	4028	1929	5335	2,333	333	625	844	1,343	254	156	17,180	22.2	
	Average	1,01,560											20,198	19.9	

No. 1579 C. 1832/72

Government of Madras.

PUBLIC WORKS DEPARTMENT,

Chepâk, 7th May 1887.

OFFICE NOTE.

From W R N 75
11/7-5-87

To C.

Your office note No. 58 d/27th April 1887.

The accompanying statement will show what works were carried out by establishment specially employed for them. Please be so good as to check the figures shown in the statement and return the same at your earliest convenience.

6.5.87

D. W.

No. 96
9-5-87

To W. Encs: one

Your O. N. No. 1579 C of 7th May 1887.

Statement checked and returned herewith.

W/6/15

P.W.C. No. 3534

[5]

2. Under Rushikulya, 1886-87, the following corrections are required-

Upper Subordinate	8,647
Travelling allowance	5,195
Total	53,896
Percentage	41.4

3. The necessity for the corrections arises from your having omitted the arrears of last year, which were paid during current year.

9/5
C.

7/5

S.P.
9/5.

In 1579 C. 7.5.87
" 1109 C. 20.4.87
B.L. 227 W. 25.1.87
G.O. 1929. 16.3.87

Ry 10.5.87

11.5.87

Urgent.

EXAMINER
No. 96
17 MAY 1887
ENCLOSURES
P.W. ACCOUNTS.

No. 1671 C.

1532/23

Government of Madras.

PUBLIC WORKS DEPARTMENT,

Chepâk, 16th May 1887.

OFFICE NOTE.

From W

To C.

Your office note No. 96 d/ 9-5-87.

In the accompanying statement it is intended to add the proportionate cost under Direction and Central Office - Accounts to each of the two projects for the several years. Please be so good as to furnish the requisite figures in the two columns provided for the purpose and return the statement as early as possible.

16.5.87
D.W.

To W.

No. 132 / 20-5-87

Encl: 1

THE STATEMENT IS HEREWITH RETURNED WITH THE INFORMATION YOU REQUIRE FILLED IN.

20/5
C.

W/16/5

S.P. 20/5

P.W.C. No 3884

(10)

No 1579 C. 7-5. 87
" 1409 C. 20. 4. 87
B. No 227 V. 25-1. 87
G. 6. 192 J. 16-3. 87.

R 4. 5. 87

No: 1

C. 21-5-87. R. 30

B

No: 1
PW 3534/
8

1532/94

1533/95

~~Project~~ System of Irrigation works.	Year	Capital Expenditure	Establishment									Percentage of Establishment ~~[illegible]~~ on ~~[illegible]~~ Capital Expenditure	Remarks
			Engineer	Upper Subordinate	Lower Subordinate	Petty	Accounts	Office	Travelling Allowances	Contingencies	Total		
Sangam	1881-82	1,20,522	15,179	5,930	"	3,175	612	2,235	2,726	2,157	31,913	26.5	Commenced with a Special E: in July 1881 ~~and closed~~ ~~in February 1887~~ Special E abolished in Feb 1887
	1882-83	401,946	26,901	13,681	"	11,442	1,207	5,170	1,867	784	61,057	15.0	
	1883-84	4,54,899	24,074	16,531	"	12,486	1,319	5,476	2,666	1,466	64,018	14.0	
	1884-85	4,96,596	22,408	17,658	"	11,558	1,403	6,861	3,693	640	63,631	12.8	
	1885-86	4,19,346	16,234	18,617	485	11,271	1,615	7,267	5,024	1,277	61,659	14.7	
	1886-87	2,14,258	15,796	11,848	285	7,698	1,812	6,995	5,433	768	50,734	23.7	
Kaveri-Vennar	1882-83	25,661	551	194	"	12	90	151	62	214	1,253	4.9	with a Special E: Commenced in February 1883. ~~& closed in Sept 1886~~ Special E abolished in Sept 1886
	1883-84	84,318	7,727	3,501	"	401	1,031	2,633	523	334	16,152	19.1	
	1884-85	1,35,959	7,900	4,248	100	1,347	1,200	3,114	680	406	18,995	13.9	
	1885-86	1,84,554	8,674	4,162	602	1,223	1,200	2,628	680	409	19,476	10.6	
	1886-87	77,411	5,386	2,333	333	625	44	1,243	254	156	11,223	14.5	
Rushikulya	1883-84	36	5,327	"	"	135	74	136	743	200	6,616	"	Commenced in November 1883 & closed in Febry/87
	1884-85	1,02,138	17,836	4,749	"	1,187	60	3,134	4,450	2,105	33,868	33.1	
	1885-86	1,43,168	19,717	4,050	"	1,218	75	3,610	3,818	964	34,272	23.9	
	1886-87	1,30,034	29,555	8647 ~~8,486~~ +161	"	3,064	333	4,940	5195 ~~4,822~~ +373	1,562	53896 ~~53,362~~ +534	41.4 ~~41.0~~ 41.4	

W/45

System of Irrigation Works	Year	Capital expenditure	Establishment									Percentage of Establishment on Capital expenditure	Remarks
			Engineers	Upper Subordinates	Lower Subordinates	Petty	Accounts	Office	Travelling Allowances	Contingencies	Total		
	1881-82	120,55[illegible]	15,179	5,830	"	3,175	612	2,235	2,725	2,167	31,913	26.5	Commenced with a special Establishment in July 1881.
	1882-83	[illegible],946	26,926	13,681	"	11,442	207	5,170	1,867	784	61,057	15.0	
	1883-84	4,54,379	24,074	16,531	"	12,486	1,319	5,476	2,666	1,466	64,018	14.0	
Sangam	1884-85	4,96,570	22,408	17,068	"	11,558	1,403	6,861	3,693	640	63,631	12.8	Special Establishment absorbed in February 1887
	1885-86	4,[illegible],345	16,233	18,517	486	11,271	1,615	7,267	5,024	1,277	61,689	14.7	
	1886-87	2,14,256	15,795	11,248	385	7,698	812	6,995	5,433	768	50,734	23.7	
	1882-83	25,561	550	184	"	12	80	151	62	214	1,253	4.9	Commenced with a Special Establishment in February 1883
	1883-84	84,318	7,729	3,501	"	401	1,031	2,633	523	334	16,152	19.1	
[illegible]	1884-85	1,35,957	7,900	4,248	100	1,347	1,200	3,114	680	406	18,795	13.9	Special Establishment absorbed in September 18[illegible]
	1885-86	1,84,654	8,574	4,162	600	1,892	1,200	2,628	680	409	19,476	10.6	
	1886-87	77,411	6,335	2,333	333	625	844	1,343	254	156	11,223	14.5	

Superseded

1532/28

With reference to Your Lordships' letter No. 3 dated 24th March 187 we have the honour to observe that as the P.W. Establishment is employed on the construction of new & maintenance of existing works, ~~both of~~ under ~~both~~ both 'Roads & Buildings' and 'Irrigation', and under the latter head on conservancy & distribution of water it is impossible to shew ~~the cost~~ ~~of the~~ actual Establishment charges applicable to the construction of new works.

There are however 2 large irrigation works which have been carried out nearly to completion, with special Establishments, or whose connexion with extraneous work was trivial, and we have therefore caused the accompanying statement to be prepared to shew the approximate ~~rate of~~ percentage of actual establishment to works charges on these works

6·21–5–87.

The establishment charges include share of "Direction" that is of the Superintending & Chief Engineer's pay, and of accounts, in addition to the actual establishment employed on execution.

The Sangam Project comprises an [illegible] Weir, with a system of distributing channels & reservoirs and the works are thus distributed over a considerable area, while the Cauvery & Vennar Regulators are large regulating works without distributing channels, covering a small area. The establishment charges therefore on the former are ~~considerably~~ in excess of those on the latter.

23/5/87

1832/29

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

A/circ

READ the following

Despatch from the Secretary of State No. 3 d/ 24th March 1887.
Office note from the Examiner of P. W. Accounts. H. E. No. 58 d/ 27th April 1887
——— Do ——— H. E. No. 96 d/ 9th May 1887

Ordered that the following reply be sent to the Secretary of State.

H. E. No. Wof

To
The Right Honorable the Secy of State for India.

My Lord,

With reference to your Lordship's despatch No. 3 Public Works dated 24th March 1887, we have the honor to observe that as the percentage for establishment is calculated on the total expenditure, including the construction of new and the maintenance of existing works, it is not possible to ascertain the true cost of the establishment employed by the PWD upon any particular work, unless as in the case of the two large systems of Irrigation works, detailed in the accompanying statement, separate establishments have been maintained.

In

2. In an ordinary Public Works Division the construction of new works is carried on by the same establishment that is responsible for maintenance; and no part of the establishment is charged to any head other than ~~that~~ those shewn in the statement referred to.

3. It is extremely difficult to form a correct estimate of the value of the work done by any establishment, by a comparison between the cost of the establishment and the expenditure on works; for the amount of supervision and engineering establishment required in the earlier stages of a system of works, may be quite as large as when the investigations have been completed, and the expenditure largely increased; also the expenditure may be on works requiring scarcely any supervision such as materials or stores purchased.

MCW
11.5.87

K32/36

(37)

Hon. Mr Hutchins

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Hw/W

12-6-87

A No 1532 W

1532/31

Genl Estabt

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

A/Circ

UNDER date the 8 June 1887

READ the following

From the S. of S. for India A.S. No 3 of 24.3.87.
" " Desp. P.W.D. " " 58 of 27.4.87.
" " — do — — " 96 of 9.5.87.
" " — do — — " 132 of 20.5.87.

Print statement to accompany despatch

P 5

C

Ordered that the Secy. of State be addressed.

A.S. No $\frac{10}{1532}$ W of 8 June 87

To the Rt. Hon. the S. of S. for I.

My Lord,

With reference to Your Lordship's despatch No 3 dated 24 March 1887, we have the honor to observe that as the P. W. Establishment in this Presy. is employed on the construction of new, & maintenance of existing, works under both "Buildings and Roads" and "Irrigation", & under the latter head, on Conservancy & distribution of water, it is impossible to show actual establishment charges applicable to the Construction of new works.

2. There are however two large irrigation works which have been carried out nearly to completion with special establishments, on whom comparatively little extraneous work was thrown, and we have therefore caused the accompanying statement to be prepared to show the approximate percentage of actual establishment to work charges on these two works. The

32/32

establishment charges include those of "Direction", that is of the Superintending and Chief Engineer's pay, and of "Accounts", in addition to the cost of the actual establishment employed in execution.

3. The Sangam Project comprises an extensive weir, with a system of distributary channels & reservoirs, and the works are thus distributed over a considerable area, while the Cauvery & Vennar Regulators are large regulating works without distributary channels, covering a small area. The establishment charges therefore on the former are in excess of those on the latter.

23/5/87

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Cat. 13.5.51 / Al. 26.5

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Govt. of {1887} Madras.

PUBLIC WORKS.

Nov
12
31/5/87

Dated

Recd.

Encl.

G.O. 8 June 1887, No. 153
& 1
153

Establishment charge

Ordered that the Secretary
State be addressed wit
reference to his request
the Madras P. W. budge
estimates may in fu
be framed so as to sho
the actual or approxi
applicable to the construc
of new works compared wi
the charges applicable t
works of maintenance.

Stating that in the Madr
Presidency it is impossibl
to show actual establishm
charges applicable to the
construction of new work
and submitting statement
showing the charges in the
case of certain large irrig
tion works on which speci
establishments were employe