

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.  
Establishment.

READ—the following paper:—

From C. H. T. NORFOR, Esq., Executive Engineer, Trichinopoly Division, to  
the Superintending Engineer, VI Circle, dated 9th September 1894,  
No. 411 S.E.

With reference to your memorandum No. 126 T.C. of the 21st April 1894, I have the honour to submit a revised proposition statement for the temporary survey establishment already employed, and to request that you will be good enough to obtain the formal sanction of Government to the same. This establishment was entertained under estimates sanctioned in your Register Nos. 36 of 1891-92 and 131 of 1892-93 and the cost incurred now requires mere adjustment from "Work" to "General establishment" under G.O. No. 483 W. of 24th February 1893. A statement is also enclosed showing the names of works for which levels were taken by the above establishment.

The necessity for the establishment, as explained in the reports which accompanied the above estimates, was that there had been several calls for estimates for tanks and channels which could not be conveniently coped with with the ordinary establishment.



Gobt. of {1894} Madras.  
PUBLIC WORKS.

Dated September, 27th.

Recd.

Encl.

G.O., 27th Sept. 1894, No. 2438 W.

SEPTEMBER.

Survey Establishment

Revised proposition statement for the temporary — employed in the Trichinopoly division, sanctioned.

| NAME OF WORK                                                                                                | 1/2 OF<br>MILES<br>TO<br>LENGTH | 1/2 OF<br>MILES<br>TO<br>LENGTH | 1/2 OF<br>MILES<br>TO<br>LENGTH | REMARKS as to the<br>necessity                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tryavandam Channel<br>Left Bank from Parthun<br>meis to Valuvantham-<br>- extent from 16 1/2 to 4 1/2 miles | 28                              | "                               | 448<br>16 per mile              | Much complaint having<br>been made by the Mysore Com-<br>- missioner regarding the silting up<br>of the channel towards its tail<br>end and thereby a diminution<br>of water supply it was neces-<br>- sary to take levels in order to<br>know an estimate. Levels<br>were taken and the estimate<br>is under preparation. |
| Agumthi Cannery Right<br>Bank from Lalupet to<br>Pettavanthalai 12 miles                                    | 12                              | "                               | 240<br>20 per mile              | The bank requires raising<br>and strengthening in places.<br>Hence the necessity for the<br>levels which were taken and<br>an estimate amounting to<br>Rs 5900 has been submitted<br>with this Office on 13-10-93                                                                                                          |
| Cannery Right bank<br>from Trichinopoly bridge<br>to old Venkateswara 5 1/2 miles                           | 5 1/2                           | "                               | 110<br>20 per mile              | The necessity for the levels<br>of Cannery Right and Left Bank<br>was first during July 1902 the<br>flood water nearly to the<br>both banks in places and it<br>was necessary to decide<br>how much they require<br>raising.                                                                                               |
| Cannery Left Bank from<br>Trichinopoly bridge to<br>Gandhi temple —                                         | 10                              | 10                              | 200<br>20 per mile              |                                                                                                                                                                                                                                                                                                                            |
| Colebrook Right Bank<br>from Calicut bridge to<br>18 1/2 miles.                                             | 6                               | "                               | 20<br>per mile                  | This also requires raising<br>hence the necessity for the<br>levels.                                                                                                                                                                                                                                                       |

Note - Besides the above, Levels for 12 tanks in Mysore and  
Perambalur taluk, were also taken

9th September 1894  
10th

Executive Engineer



1. The column headed "present scale" should invariably show the sanctioned scale for the time being and not the strength of the actual (whether above or below sanctioned) establishment as it happens to stand at the time. The "present scale" should be verified by the examiner before the proposal is submitted to government for sanction (paras. 25 and 26).

2. In the column "average or fixed pay," financial value, not mean value, should be given.

3. The financial value should in the case of progressive appointments be calculated as follows:—

(1) If the period of rise from minimum to maximum is 5 years, the average will be the minimum plus two-thirds, or if the appointment is a ministerial one, plus three-fourths, of the difference between the minimum and maximum (C. S. R., Art. 164).

(2) If the period of growth exceeds five years (as in the case of accountants) the  $\frac{1}{10}$ th fraction should be decreased by  $\frac{1}{10}$ th of the difference for every year by which the period exceeds five; the fraction for periods in excess of five years will therefore be as follows:—

$$6 \text{ years} = \frac{3}{4} - \frac{1}{10} = \frac{44}{50}$$

$$7 \text{ years} = \frac{3}{4} - \frac{2}{10} = \frac{43}{50}$$

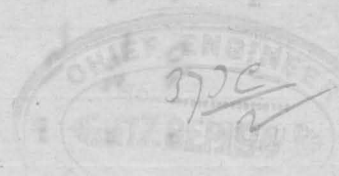
$$8 \text{ years} = \frac{3}{4} - \frac{3}{10} = \frac{42}{50}$$

and so on; so that when the period of growth is 20 years the financial value will be the exact mean.

PUBLIC WORKS DEPARTMENT, MADRAS.

Tabular Statement showing the proposed Changes in the Establishment of the P. W. Department, Madras Presidency.

The entries within under the head, "Present scale" have been checked and found correct [subject to exceptions noted below \*].



Examiner of P. W. Accounts, Madras.

\* The words in brackets should be scored out when there are no exceptions to be noted.

Recd to Govt 4/11/94  
9/9/94

Encl. No. 15856 No. 9407C  
13-9-94

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Endorsement by the S.E. VI Circle  
on letter from the Executive  
Engineer, Pudukkottai, 22.

No. 411 S.E. dated 4/9/94 (H.E. No. 940 J.C. d/13/9/94)

Endd thereon by the C.E. P. S. (.. ..) d/24/9/94

H. P. M.

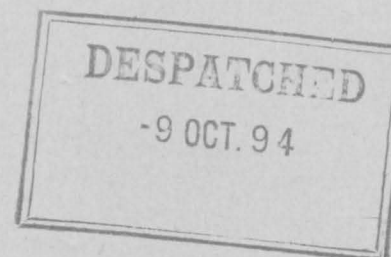
Sanctioned.

2. This sanction has been registered as Provincial No. 39W of 1894-95 and classified as Establishment Temporary.

S.E. VI Circle

C. E. P. S.

E. S. W. A.



CH 183  
26/9/94  
S. 17

Govt. of (1894) Madras.  
PUBLIC WORKS.

MADRAS.

Date

Recd.

Encl.

G.O., 27/9 1894 No. 2438W

Survey establishment

Revised proposition  
statement for the temporary  
— employed in the  
Municipality In, sanctioned.

1/10  
T.C.C.  
27/9

27TH SEPTEMBER 1894, No. 2438 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.  
Establishment.

READ—the following paper:—

From C. H. T. NORFOR, Esq., Executive Engineer, Trichinopoly Division, to the Superintending Engineer, VI Circle, dated 9th September 1894, No. 411 S.E.

With reference to your memorandum No. 126 T.C. of the 21st April 1894, I have the honour to submit a revised proposition statement for the temporary survey establishment already employed, and to request that you will be good enough to obtain the formal sanction of Government to the same. This establishment was entertained under estimates sanctioned in your Register Nos. 36 of 1891-92 and 131 of 1892-93 and the cost incurred now requires mere adjustment from "Work" to "General establishment" under G.O. No. 483 W. of 24th February 1893. A statement is also enclosed showing the names of works for which levels were taken by the above establishment.

The necessity for the establishment, as explained in the reports which accompanied the above estimates, was that there had been several calls for estimates for tanks and channels which could not be conveniently coped with with the ordinary establishment.

(H.E. No. 2436 W. 27 Sept 1894)

To H. E. ...

2  
y  
1  
to  
c  
a  
b  
= 1  
a  
m

2

27TH SEPTEMBER 1894, No. 2438 W., PUBLIC WORKS.

ENCLOSURE.

STATEMENT of proposal for revision of establishment to accompany letter No. 411 S.E., dated 9th September 1894.

| Order sanctioning present establishment. |            |          | Office to which the proposition relates. | Nature of change. |              |          |            |          |                 |              |                   |         |         | Proposal.  |                     |                     |         |         |         |    |
|------------------------------------------|------------|----------|------------------------------------------|-------------------|--------------|----------|------------|----------|-----------------|--------------|-------------------|---------|---------|------------|---------------------|---------------------|---------|---------|---------|----|
|                                          |            |          |                                          | Present scale.    |              |          |            |          | Proposed scale. |              |                   |         |         | Permanent. |                     | Temporary.          |         |         |         |    |
|                                          |            |          |                                          | No.               | Designation. | Pay.     |            |          | No.             | Designation. | Pay.              |         |         | Amount.    | Increase per month. | Decrease per month. | Amount. |         |         |    |
| Minimum.                                 | Increment. | Maximum. | Average or fixed.                        |                   |              | Minimum. | Increment. | Maximum. |                 |              | Average or fixed. | Amount. | Period. |            |                     |                     |         | Amount. | Period. |    |
| 1                                        | 2          | 3        | 4                                        | 5                 | 6            | 7        | 8          | 9        | 10              | 11           | 12                | 13      | 14      | 15         | 16                  | 17                  | 18      | 19      | 20      | 21 |
|                                          |            |          |                                          |                   | RS.          | RS.      | RS.        | RS.      | 1               | Surveyor     | 40                | 25      | 15      | ..         | ..                  | ..                  | 31      | 140     | ..      | .. |
|                                          |            |          |                                          |                   | RS.          | RS.      | RS.        | RS.      | 1               | Do.          | 25                | 15      | ..      | ..         | ..                  | ..                  | 31      | 87      | ..      | .. |
|                                          |            |          |                                          |                   | RS.          | RS.      | RS.        | RS.      | 1               | Do.          | 15                | ..      | ..      | ..         | ..                  | ..                  | ..      | 120     | ..      | .. |
|                                          |            |          |                                          |                   |              |          |            |          |                 | Total        | ..                | ..      | ..      | ..         | ..                  | ..                  | ..      | 347     | ..      | .. |

NOTE.—The establishment was entertained before the receipt of the G.O., No. 483 W., dated 24th February 1893, under the estimates sanctioned in Register Nos. 36 of 1891-92 and 131 of 1892-93. The proposition statement is submitted for sanction, the Examiner of Public Works Accounts having asked to write back the cost of the same from "Works" to "General establishment" under the above Government order.

27TH SEPTEMBER 1894, No. 2438 W., PUBLIC WORKS.

3

No. 940 T.C.

Copy, together with the enclosures, is submitted to the Chief Engineer, Public Works Department, through the Chief Engineer for Irrigation, for sanction of Government with reference to G.O., No. 2144 W., dated 31st August 1894, against item No. 9 in the statement of objectionable items in the accounts of Executive Engineers remaining unremedied up to end of April 1894 and previous orders on the subject.

TRICHINOPOLY,  
13th September 1894.

(Signed) O. V. BODDY, Major, R.E.,  
Suptg. Engineer, VI Circle.

Forwarded to the Chief Engineer, Public Works Department, with the request that the sanction applied for be accorded.

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,  
Chief Engineer for Irrigation.  
OOTACAMUND,  
24th September 1894.

ORDER—dated 27th September 1894, No. 2438 W., Public Works.

Sanctioned.

2. This sanction has been registered as Provincial No. 39 W. of 1894-95 and classified as Establishment, Temporary.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.  
" Chief Engineer for Irrigation.  
" Examiner, Public Works Accounts.

Frd. C. A. Munisawmy.  
Spare Copies.

H.E. No. 2436 W of 27 Sept 1894

GENERAL.  
ESTABLISHMENT.

Govt. of {1894} Madras.  
PUBLIC WORKS.

Dated September, 27th.

Recd.

Encl.

G.O., 27th Sept. 1894, No. 2438 W.

SEPTEMBER.

### Survey Establishment

Revised proposition statement for the  
temporary — employed in the Trichinopoly  
division, sanctioned.

From C. H. J. Dorfor Esquire, Sre.  
- civil Engineer, Trichinopoly Division,  
to the Superintending Engineer, Works,  
No. 411 S.E. dated 9 September 1894:—

With reference to your  
Memo No. 126 T.C. of the 2<sup>nd</sup> April 1894,  
I have the honor to submit a revised  
proposition statement for the Tem-  
- porary Survey Establishment at-  
- ready employed and to request  
that you will be good enough to ob-  
- tain the formal sanction of Govern-  
- ment to the same. This establishment  
was entertained under estimates  
sanctioned in your Register No.  $\frac{36}{91-92}$   
and  $\frac{131}{92-93}$  and the cost incurred  
now requires mere adjustment from  
"Work" to "General Establishment"  
under G.O. No. 483 W of 24<sup>th</sup> February  
1893. A statement is also enclosed  
showing the names of works for which  
levels were taken by the above establish-  
- ment.

The necessary for the establishment

as explained in the reports when  
H.C. Compared the above estimates was  
that there had been several calls for  
estimates for Tanks & channels which  
could not be conveniently Coped with  
with the ordinary establishment.

No. 9407c

Copy, together with the enclosures, 1. Proposal  
is submitted to the Chief Engineer, 2. Stat  
P.W.D., through the Chief Engineer for 1. Stat  
Irrigation, for sanction of Government, with  
reference to G.O. No. 2144 W. dated 31<sup>st</sup> August 1894, against item No. 9 in  
the statement of Objectionable items  
in the accounts of Executive Engineers  
remaining unremedied up to end  
of April 1894 and previous orders on  
the subject.

W. S. M. Major Rk.  
Superintending Engineer  
W. Birch

Supt. Sup. Office Secy. }  
Trichinopoly. }  
13<sup>th</sup> September 1894  
C. S. 2/5

1/2.

The Chief Engineer  
P. W. D.

Thrs, The Chief Engineer for Design

Temporary Survey Pot-  
blishments: —

submits for some-  
how a revised proposi-  
tion & statement for the  
employed in the Trichinopoly  
Dy.

Supt 24  
Tine  
13' Se  
Coff  
4 2

Forwarded to the Chief  
Engineer P.W.D with the  
request that the sanction applied  
for be accorded.

*Amelia - Kuchmas*  
*Colonel RR*

Chief Engineer for Design  
Alotacamund }  
24 September 1994 }

|              |                                 |                                  |                                |
|--------------|---------------------------------|----------------------------------|--------------------------------|
| name of mark | he of<br>hills<br>the<br>lowest | he of<br>hills<br>the<br>enjoyed | cross<br>sections<br>the taken |
|--------------|---------------------------------|----------------------------------|--------------------------------|

yardown channel  
26 Bank from Panther  
rein to Valerianthen-  
stern from  $16\frac{1}{2}$  to  $44\frac{1}{2}$  mile

in Cannery Ridge  
from Calapuch to  
Pittsenthalai 12 miles

Leannery Rights bank  
from Lehighopolis bridge  
to old Leannery bend  $5\frac{1}{2}$  miles

Commonly deep bank from  
Trichinopoly bridge to  
Gangut river —

Colerain Right Bank  
from Colerain bridge to  
18<sup>1</sup> mile.

Note - Besides the above, Reels for 12 tanks in Innsiri and Perambalam tanks were also taken

9- September 1894  
 Sep 10-

Remarks as to the  
necessity

Much complaint having been made by the Ryals Concerned regarding the silting up of the Channel towards its tail end and thereby a diminution of water supply it was necessary to take levels in order to prove an estimate. Levels were taken and the estimate is under preparation.

The work requires raising and strengthening in places. Hence the necessity for the levels which were taken and an estimate amounting to Rs 5900 has been submitted with this office by 370 S. 2. D/13-10-93

The necessity for the levels of Lannery Right and Left Banks was taken during July 192. The flood water nearly topped both banks in places and it was necessary to decide how much they require raising.

This also requires raising  
hence the necessity for the  
levels.

Elmer

Excentric Engineers

Ends N: 2 to SEB' N: 940 rd / 13-9-94

2438W

dated

Note. The establishment was entertained before the receipt of the G. O. No. <sup>48015</sup> 24, 2-93 under the Indian Sanction in Regd. No. <sup>131</sup> 36, 91-92. The Proprietary statement is submitted, the <sup>for</sup> ~~Exp~~ for sanction. The Examiner of P.W. accords having asked to write back the cost of the same from Works to J.L. Satabhik under the above G. O.

admiralty, Major PR

13-9-94

Examiners English  
Signature and rank

1. The column headed "present scale" should invariably show the sanctioned scale for the time being and not the strength of the actual (whether above or below sanctioned) establishment as it happens to stand at the time. The "present scale" should be verified by the examiner before the proposal is submitted to government for sanction (paras. 25 and 26).

2. In the column "average or fixed pay," financial value, not mean value, should be given.

3. The financial value should in the case of progressive appointments be calculated as follows:—

(1) If the period of rise from minimum to maximum is 5 years, the average will be the minimum *plus* two-thirds, or if the appointment is a ministerial one, *plus* three-fourths, of the difference between the minimum and maximum (C. S. R., Art. 164).

(2) If the period of growth exceeds five years (as in the case of accountants) the  $\frac{1}{5}$ th fraction should be decreased by  $\frac{1}{10}$ th of the difference for every year by which the period exceeds five; the fraction for periods in excess of five years will therefore be as follows:—

$$6 \text{ years} = \frac{3}{4} - \frac{1}{10} = \frac{29}{40}$$

$$7 \text{ years} = \frac{3}{4} - \frac{2}{10} = \frac{13}{20}$$

$$8 \text{ years} = \frac{3}{4} - \frac{3}{10} = \frac{9}{20}$$

and so on; so that when the period of growth is 20 years the financial value will be the exact mean.

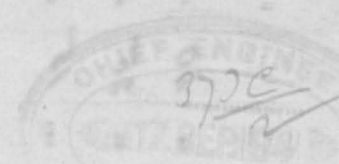
*Over E. 2*  
*7209/94*

*Encl. No. 15856 No. 9407C*  
*13-9-94*

PUBLIC WORKS DEPARTMENT, MADRAS.

Tabular Statement showing the proposed Changes in the Establishment of the P. W. Department, Madras Presidency.

The entries within under the head, "Present scale" have been checked and found correct [subject to exceptions noted below \*].



Examiner of P. W. Accounts, Madras.

\* The words in brackets should be scored out when there are no exceptions to be noted.

*Recd to Govt 4/11/94*  
*9/9/94*

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

*Endorsement by the S.E. VI Circle*  
*on letter from the Executive*  
*Engineer, Pudukottai Dist.*

*No. 411 S.E. dated 4/9/94 (H.E. No. 940 J.C.D. 13/9/94)*

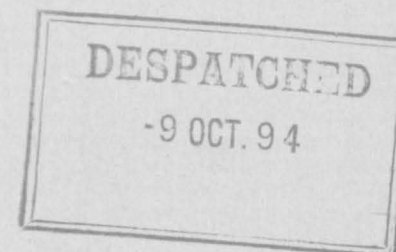
*Endd thereon by the C.E. & P. (..)* *d/24/9/94*

*H. P. M.*

*Sanctioned.*

*2. This sanction has been registered as Provincial No. 39W of 1894-95 and classified as Establishment*  
*Improving*

*S.E. VI Circle*  
*C. E. & P.*  
*E. S. W. A.*



*CHRS*  
*26/94*  
*5*

att  
by  
gc

B. Code

✓  
W. Madras  
Comm  
20/5  
B. W.

CM 7247  
Govt. of Madras.  
PUBLIC WORKS.

Dates

Recd.

Encl.

G.O. 27/9 1894 No. 24384

Survey establishment

Revised proposition  
statement for the temporary  
— employed in the  
ichempoly St., sanctioned.

90/4  
4/10  
T.C.C.  
27/9