Marine Deptt.

Works.

---

86 / W: 31. 3. 86

No. 1862 W. d/22d July 18

Permission is granted for the omission of the undermentioned orders from future returns.

G.O. No. 1926 W d/ 10-7-85
" " 697 W d/ 16-3-86

16/7/86

20. 7. 86

To
Suppdg. Engr. VI Circle

Supg. Engr. VI Circle

Ogs. 10 of 7.

23/7/86

C. 17. 7. 86. Cr. 22. 7. 86.

3/8

---

(12)

No. 511 T. J.

O.W.C. No. 5487

From

The Supg. Engr. 6th C.

To

The Chief Engineer
P. W. D.

Dated 10th July 1886 -

Despd. 12th

Recd: 14. 7. 86

B. No. 1862 W. d/ 22d July 1886

Enclo: 1.

List of Orders of Govt.

received up to 31st March/86

and remaining unanswered

on the 1st July 1886 -

Entd. in R.R.
4/8

P. W. DEPARTMENT.

Current No. 1380

From The Supdg: Engr: VI C.

ENCLOS.—

No. 1884 T.J.
Dated 18th Feby 1887
Received 21st — " —

SUBJECT.

Lightning Conductor to the District Court House at Tanjore — Report on the Estimate sanct for —

DISPOSAL.

No. 693C Dated 25th Feby 18

To C

Please say how th
outlay has been passe
in your books. The S.E.
not appear to have cor
classified the Estima
Repairs.

(Id) W.L.C.B.
25.2.87

OFFICE OF THE SUPERINTENDING ENGINEER,

Revenue Deptt.

Works.

Cp. 459 / 87
Mi 136 – 26. 2. 87
Ch 435 – on Pr 1282. 20. 5. 87
Ti 244. 9. 6. 87
p 70 – 15.

No. 257 W of 2-2-57
+ the bill

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Trichinopoly. 18th February 1887.
D°.

No. 1884 T. J.

From J. W. Martin Esq.
The ~~Superintending~~ Executive Engineer,
In: ch: 6th Circle.

To

The Chief Engineer
P. W. D.

ENCLOSURE.

Sir,

With reference to para 2 of G. O. No. 257 W. dated 2nd February 1887, I have the honor to report that an Estimate amounting to Rs 1150 for providing Lightning Conductor to the District Court house at Tanjore was sanctioned by this office in Register No. 10/19-8-86, under para 279 (a) (267 E new code) of the old P. W. Code, after the Estimate was approved by the District Judge. This Estimate has been classed as as Provincial Civil Buildings Repairs Special.

I have the honour to be
Sir
Your most obdt sert

J.W. Martin
Le: Engr. Qu cb: C.C.

R No 678
1/3/87

No 693 C of 28th Feby 1887

To C

Please say how the outlay has been passed in your books. The Exety: Engr. does not appear to have correctly classified the estimate under repairs.

25.2.87
D.W.

PWC No 1280 Exd
185/87

P. W. D. 6TH CIRCLE.

From
The Superintending Engineer,
6th Circle.

To
The Chief Engineer
P.W.D.

No. 1884 T.J.

Dated 18
Received 21 } February 1887

Enclosure.

Lighting Conductor to the District Court House at Tanjore:—

Reports on the Estimate sanctioned for —

[C. No. 8.]

GOVT. OF MADRAS. } 1887.
EXAMINER, P. W. ACCOUNTS.

Madras, 5th March 1887.

Office Note No. 791.

To
W. Encs: on

Keep-with Genl. No.
dated 188 .

Your O. N. No. 693 C. dated 28th February 1887.

The outlay has not yet appeared in the books of this Office. The charge should apparently be to original works.

C.

Ak 17/3
25
5/3.

No. 257 W of 2-2-87
- 1862 W - 22-7-86
- 693 C - 28-2-87

P.W.C. No. 18565

No. 558 C of 9-3-87

Memo

With reference to letter from the S.E. VI Circle, No 1884 T.J. of 18th Feby 1887, the undersigned has the honor to state that the estimate for providing a lightning conductor for the Tanjore Court house cannot, under Code para 909, be classed under repairs; & to request therefore that it may be submitted for the sanction of Govt through the usual channel

MCM
8.3.87

R 7.3.87

No. 558 C of 9-3-87

8/3/87

S.E. VI Circle

Des
10/3

With memo

11th June 1887, No. 1573 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From W. O. HORNE, Esq., Acting Deputy Registrar of the High Court of Judicature at Madras, to the Chief Secretary to Government, dated Madras, 18th April 1887, No. 1091.

I am directed to forward, for the sanction of Government, an estimate with report, plan, &c., prepared by the Superintending Engineer, VI Circle, for providing lightning conductors for the District Court-house, Tanjore, at a cost of Rs. 1,150.

Approved and transferred to the Public Works Department.

(By Order.)

Ootacamund,
29th April 1887.

(Signed) H. A. STUART,
Under Secy., J.D.

No. 1670 C.

MEMORANDUM.

The plan and estimate for providing lightning conductors for the District Courthouse, Tanjore, are returned to the Superintending Engineer, VI Circle, with the request that they may be revised, by substituting copper conductors.

2. The number of terminals required should be checked on the assumption that the radius of the base of the protected conical space is equal to the height of the top of the terminal above the ground.

3. The Public Works Workshops should be asked for an estimate for copper terminals, each with six points at the top, connected by means of copper tapes (made with rivetted and soldered joints) to copper earth plates 3′ × 3′.

16th May 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, P.W.D.

From Lieutenant-Colonel J. PENNYCUICK, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Chinnammanúr, 21st May 1887, No. 366 T.J.

In reply to your No. 1670 C., of 16th instant, I have the honor to state that the estimate of Rs. 1,150 for providing lightning conductors to the District Judge's Court, Tanjore, has already been carried out, having been sanctioned by this office under the impression that it came legitimately under the head of repairs as explained in Mr. Martin's letter, No. 1884 T.J., of 18th February 1887.

2. It is not clear why the fact of the execution of the work was not mentioned in the letter quoted, or in Mr. Martin's subsequent one, No. 2212 T.J., of 28th March 1887.

3. It will, in my opinion, provide amply for the safety of the buildings.

Order—dated 11th June 1887, No. 1573 W., Public Works.

The estimate, amounting to Rs. 1,150, for providing lightning conductors to the District Court-house at Tanjore, is sanctioned in the circumstances explained by the Superintending Engineer.

2. The action of Mr. Martin in first classifying the estimate under repairs, and secondly in submitting the estimate for sanction without reporting that the work had already been carried out, was contrary to rule.

3. The sanction accorded in paragraph 1 of these proceedings has been registered as Provincial, No. 35 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with three enclosures.
„ Examiner, Public Works Accounts, with the abstract estimate for note and return to Superintending Engineer, VI Circle.
„ Judicial Department.
„ Superintending Engineer, V Circle, for communication to Mr. Martin.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 11th.

Recd. *Encl.*

G.O., 11th June 1887, No. 1573 W.

JUNE.

District Court-house at Tanjore

Estimate of Rs. 1,150 for providing lightning conductors to the —, sanctioned.

CURRENT NO. 1761

No. 1091.

High Court of Judicature,
Madras, 18th April 1887.

61

From

W. O. Horne, Esquire,
Ag. Dy. Registrar of the High Court
of Judicature at Madras.

To

The Honorable. H. E. Stokes,
Acting Chief Secretary
to Government

Sir,

I am directed to forward for the sanction of Government an Estimate with Report, Plan &ca prepared by the Superintending Engineer, 6th Circle, for providing Lightning Conductors for the District Court-house, Tanjore, at a cost of Rs 1150.

I have the honor to be,
Sir,
your most obedient servant
W O Horne
Ag. Dy. Registrar,
Appellate Side.

HR.

Jud!
PW 3325/87

G. O. No 324 W D/ 6-2-86.

Read

~~Order~~ Recommend
29th April /87.

Approved and transferred to the Public Works Dept.

By order

H A Trent
Under Secy.

To the P. W. D.
Copy to Regr. H. C.

O.L.S. 130. IV
M 29.4.87

C 27/4
R 28/4 Resubmitted W 6. 6-5.87 R. 13.5.87

CURRENT . ~~1761~~

P.W.C. No 3325

Judicial {1887} **Department.**

No.

FROM

THE REGISTRAR OF THE HIGH COURT
OF JUDICATURE AT MADRAS,
APPELLATE SIDE.

En: 6
(+1 plan)

Dated 18th April }
Received 20 } 1887.

R 3.5.87

No. 1670 c.a. 16-5-87

6 MAY 87
GOVERNMENT OF MADRAS

No. 1091.
Enc: one file of 4 papers.

Forwarding for sanction an Estimate with report, plan &ca, for providing Lightning Conductors for the Dt. Court-house Tanjore, at a cost of Rs 1150-0-0.

4.5.87

Papers 27/4

P.W. Department

No. 1670 c.a. 16th May 1887

Memo

The plan and estimate for providing lightning conductors for the District Courthouse Tanjore, are returned to the Supg. Engineer VI Circle with the request that they may be revised, by substituting copper conductors.

The number of terminals required should be checked on the assumption that

that the radius of the base of the protected conical space is equal to the height of the top of the terminal above the ground.

The P. W. Workshops should be asked for an estimate for copper terminals each with 6 points at the top, connected by means of copper tapes (made with rivetted and soldered joints) to copper earth plates 3' × 3'.

D.
7/5

5.5.87

11.5.87

11/5/87

Q. 6-5-87 R. 13-5-87

Memo

No. 1670 C of 16-5-87

16.5.87

To the S. E. VI Circle
with 5 Enclos

17/5

No. 2212, T.T.

Trichinopoly
28/3/87
D/292

Report by the Superintending Engineer, 6 Circle on the Estimate of Rs 1150 for providing Lightning Conductors to the District Court, Tanjore.

Enclos 2
1 Plan
1 Estimate.

⊗ Not communicated to the H. Ct.

The Estimate was called for in G.O No 324 W of 6 February 1886 ⊗ and is prepared in accordance with the provisions of the Code of Instructions.

The rates are fair and the Estimate is forwarded for the sanction of Government, through the District Judge Tanjore, vide para 989 of the P. W. Code.

C W Martin
Sup. Engineer 6 Circle.

Dn H6219/87

740
30/3/87

[illegible] 504 TJ
87

SUPERINTENDING ENGINEER
19 MAY 87
6th CIRCLE

L. ~~2~~ 1

PW ~~8805~~
4008/87

From,

The Supg Engineer
6: Circle.

To,

The District Judge
Tanjore.

No. 2212. T.J

Dated 28 March/87.

3/4/87
Enclos 2
2

Report on the estimate of Rs 450 for providing Lightning Conductors to the District Court at Tanjore.

Enclosure to the High Court's letter
d/ 18 April/87 No. 1091

1573 W

Judl. 1761/87

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRC.

2

Chinnamanoor 21st May 1887.

No. 366 T.J. D/25

From
Lt. Col. J. Pennycuick R.E.
~~Th~~e Superintending Engineer,
6th Circle.

To
The Chief Engineer
P.W.D.

Sir,

ENCLOSURE. 5.
1 Detailed Estimate
1 abstract do
1 Plan
1 Report
1 S.E. No
2212 T.J.
28.3.87

In reply to your No 1670 C of 16 Instant, I have the honor to state that the estimate of Rs 1150 for providing Lightning Conductors to the District Judge's Court, Tanjore, has already been carried out, having been sanctioned by this office under the impression that it came legitimately under the head of repairs as explained in Mr. Martin's letter No 1884 T.J. of 18 February 1887 –

2. It is not clear why the fact of the execution of the work was not mentioned in the letter quoted or in Mr. Martin's subsequent one –

No 2212 T.J of 28 March 1887.

3. It will in my opinion provide amply for the safety of the buildings.

I have the honor to be
Sir
Your most obedient servant.

Lt Col RE

Supg Engineer, Sinde.

No 1670 C of 16-5-87
No 888C " 9-3-87
" 693C " 28-2-87
B. No 257 W " 2-2-87
" 1862 W " 22-7-86
" 867 W " 31-3-86
" 374 W " 6-2-86
B. No 330 W " 6-2-86
G.6 - 1106 W 11-5-83
B. No 390 W " 13-2-86
G.6. 324 W " 6-2-86
B. No 822 W " 16-3-87
G.6. 277 W " 4-2-87

P. W. D. 6TH CIRCLE.

~~P.W.C. No 4008~~

From

The Superintending Engineer,

6th Circle.

(2)

To

The Chief Engineer
P. W. D.

No. 366. T.J.

Dated 21st } May 1887
Received 27 }

Enclosure. 5 (+1 plan)

Returns the Estimate &c for providing Lightning conductors to the District Court at Tanjore - & states that the work has been already carried out -.

[illegible]

6.6.87. D. 11[illegible]

IV

(2) / H.W. / 8.6.87

C.N. 2008

In the circumstances the Est. must be sanctioned, but I think Mr Martin is much to blame for not having reported that the work had been carried out, and I cannot understand how he could have classed it under "repairs" - Please see his letters of 18th Feb 87 and 28th March and G.O. 888C of 9-3-87

W.M.
27.5.87

In the circumstances explained by the S.E. VI Circle the Est. of 1150 Rs is sanctioned

2/ The action of Mr Martin in first ~~of all~~ classifying the Est. under repairs, and secondly in submitting the Est. for sanction without informing the Chief Engineer that the work had been already carried out, ~~[illegible]~~ was quite contrary to rule -

B/
Draft usual order with para 2 as per D.W. note
F.B.
30/5

B/R

5. Petty supervision and contingencies

No 1670 C of 16-5-87

TO BE COMMUNICATED
TO NEWSPAPERS

1-1

C No 3325

BM 1

IV

The objections to the use of iron for lightning conductors in cases where numerous bends & joints are required, are in my opinion very great. In the present case owing to the roof being a flat one, it is impossible to protect more than a limited space by one terminal, without giving it great height, and consequently there are a number of joints which will be sure to rust, and in a year probably the arrangement will be found very defective if tested -

I would suggest that the plan and estimate be revised, providing for copper terminals connected by copper tapes with copper earths of 3' x 3' copper plates.

The P.W. Workshops have been in the habit of making up these and thoroughly understand the rivetting & soldering of the joints -

The number 36 of terminals provided seems excessive, but I think the space protected has been calculated on the rule laid down at page 13 of the Appendices A - F attached by

5. Petty supervision and contingencies

G. 6. 6-87. D. 11-6-87

No 1670 C of 16-5-87

B7/R

The plan and estimate for providing lightning conductors for the District Court house Taungoo, are returned to the S.E. VI Circle with the request that they may be revised, by substituting copper conductors -

The number of terminals required should be checked on the assumption that the radius of the base of the protected conical space is equal to the height of the top of the terminal above the ground -

The PW Workshops should be asked for an estimate for copper terminals each with 6 points at the top, connected by means of copper tapes made with rivetted and soldered joints, to copper earth plates 3' x 3'

5.5.87

5. Petty supervision and contingencies

O.6.6.87. R.11.6.87

O.6-5-87 R.13-5-87

No 1670 C of 16-5-87

B & R

Public Works Department.

Current No. 3325

Letter No. 1761

Dated the 29th April 1887

From the Secry. to Govt. Judicial Departt.

NOTE OF REMARKS.

1. The accompanying plan and estimate amounting to Rupees 1150, are for providing Lightning Conductors for the District Court house at Tanjore, called for in G.O. No. 324 W of 6th Feby 1886.

2. The estimate provides for iron conductors of 1 inch diatr., and the horizontal iron bars of 1¼ inch diatr., whereas the Code of Instructions provides for $\frac{9}{10}$ of an inch diatr. as a minimum.

3. Iron earth plates of 4′ × 3′ are provided in the estimate, but in the Code of Instructions galvanized iron plate 3′ × 3′ is allowed.

4. The rates are fair.

5. Petty supervision and contingencies

a. 6-5.87 R. 13-5.87

.6.6.87. R. 11.6.87

contingencies are separately charged and are within 5 percent.

6. The estimate has been countersigned by the District Judge and approved in the Judicial department.

4.5.87

No 1573 W.

B/R
Cl works

PUBLIC WORKS DEPARTMENT,

~~RAILWAY BRANCH.~~

A / Circ

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 11th June 1887

READ the following

From the Registrar of the High Court of Judicature at Madras. H. E. No: 1091 d/18th April 1887.
Endorsement by the Judicial Department d/29th April 1887.
Memo to the Suptg. Engineer VI Circle No: 1670 C d/18th May 1887.
Letter from —— Do —— Do —— H. E. No: 366 T. J. d/21st May 1887.

The estimate amounting to Rs. 1,150, for providing lightning conductors to the District Court-house at Tanjore, is sanctioned in the circumstances explained by the Suptg. Engineer.

2. The action of Mr. Martin in first classifying the estimate under repairs and secondly in submitting the estimate for sanction without reporting that the work had already been carried out was ~~quite~~ contrary to rule.

3. The sanction accorded in para 1 of these Proceedings has been registered as Provincial No: 35 W of 1887-88 and classified as Civil Buildings, Original Works.

MCR
6.6.87

To The Suptg. Engr. VI Circle with 3 enclos.
" Examiner of P. W. Accts with the abstract estimate for note & return to S. E. VI
" Judicial Department.
" S. E. V Circle, for commn to Mr Martin.

D 2/6

Jolt
8/6/87

R 6/6

R. 13.5.87

(2)

~~Hon. Mr. Hutchins~~

J Camp 11/8/83

B W 11/6

OLS 57.VI
Cu# 8.6.87
M. 9.6.87

6.6.87 R. 11.6.87

4008

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated 13/6/87

Recd.

Encl.

G.O., 11th June 1887, No. 1573 W.

District Court house at Tanjore

≡

Estimate of Rs 1,150 for providing lightning conductors to the — Sanctioned.

60/5

13/6

En 13/6

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Kodaikanal 27 June 1887.

No. 624.T.I D/29

From Lt Col J. Pennycuick RE

~~The~~ Superintending Engineer,

6th Circle.

To

The Chief Engineer

P.W.D.

Sir,

ENCLOSURE.

With reference to para 2 of G.O. No 1573 W of 11 Instant, I have the honor to report that the original mistake of classifying the estimate in question (providing lightning conductors to the District Court House at Tanjore) under Repairs instead of under Original Works, was made by myself and not by Mr Martin.

I have the honor to be

Sir

Your most obedient servant.

J Pennycuick Lt Col RE

Supt Engineer 6th circle.

G.O. 1573 W 11.6.87 B. No 1862 W 22.7.86
B. No 822 W " 16.3.87 B. No 867 W 31.3.86
G.O. 277 W " 4.2.87 G.O. 324 W 6.2.86
B. No 888 C " 9.3.87 B. No 330 W 6.2.86
" 693 C " 28.9.87 G.O. 1106 W 11.5.85
B. No 1257 W 1822 W 7.7.87 B. No 390 W 13.2.85

The Supg: Engr VI Circle now explains that the original mistake in the classification of the estimate was made by himself and not by Mr Martin - Para 2 of G.O. No 1573 W. of 11th June 1887 will be amended accordingly

2.7.87

4/7/87

S.E. VI C.

~~[illegible]~~

~~[illegible]~~ ✓

S.E. V C for comn to Mr Martin

8/7

Cd. 49.vii 11.4.7.87

C. 2.7.87 R. 6.7.87 13/ 1887

PWC No 4985

P. W. D. 6th CIRCLE.

(3)

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P. W. D.

No. 624 T.J

Dated 27th June 1887
Received 1.7.87

Enclosure —

No. 1822 W of 7th July 1887

District Court House at Tanjore

Reports that the original mistake of classifying the estimate for providing lightning conductors to the — under Repairs instead of under original works was made by himself —

6th February 1886, No. 324 W., Publ[illegible] Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Memo. by Chief Engineer, Public Works Department, dated 9th July 1885, No. 1174 C.

From the Superintending Engineer,		I	Circle, dated	3rd December	do.	334 G.L.
Do.	do.	I	do.	24th do.	do.	195 V.Z.
Do.	do.	II	do.	30th October	do.	257 G.L.
Do.	do.	III	do.	6th August	do.	988.
Do.	do.	IV	do.	7th September	do.	371 E.W.
Do.	do.	V	do.	20th October	do.	3110.
Do.	do.	VI	do.	19th September	do.	984 T.J.
Do.	Consulting Architect to	Govt.,	dated	1st do.	do.	819.
Do.	do.		do.	11th November	do.	1166.

Order—dated 6th February 1886, No. 324 W., Public Works.

In July 1885 Superintending Engineers and the Consulting Architect were requested to submit a list of all public buildings in their respective Circles which were supposed to be protected by lightning conductors, and to report, with respect to each building, whether the recommendations of the Lightning Rod Conference and the provisions of the Code of Instructions on the subject had been fully met; if not, in what respects the protection was deficient. Superintending Engineers were further asked to name any public buildings within their Circles which they considered should be provided with efficient conductors.

2. Replies have now been received from all the officers addressed, and the lists of buildings submitted show that a large number are at present without protection, whilst others are but imperfectly protected. To remedy these defects in all cases would involve so large an expenditure as to be prohibitive; besides which, many of the buildings named are not of sufficient importance to require protection. The Government therefore desire that attention be first given only to buildings of the nature referred to in paragraph 1174* of the Public Works Code.

* 1174. "Powder magazines and all buildings "which, from their height or exposed situation, "are likely to be struck with lightning, should "be provided with lightning conductors on the "system laid down in the Code of Instruction for "the guidance of Public Works officers in the "erection and testing of lightning conductors."

3. In this view the undermentioned buildings have been selected from the lists, and Superintending Engineers will submit at an early date estimates for providing lightning conductors for such of the buildings mentioned as have not got them, and for altering those already provided, in order to bring them into accordance with the provisions of the Code of Instructions.

I Circle.

- *(1) Powder magazine, Sámalkót.
- *(2) Hope island light-house.
- *(3) Vakalapudi light-house.
- (4) Central tower of the Rajahmundry jail.
- (5) Chimney at the Dowlaishweram workshops.

*(6) Powder magazine, Vizagapatam.
*(7) Four powder magazines used by 16th Regiment, M.I., Vizagapatam.
*(8) Santapilly light-house.
*(9) Powder magazine, Parlakimedi.
*(10) Powder magazine, Russellkonda.
*(11) Powder magazine, Chatrapur.

II CIRCLE.

(1) Christ church, Nellore.

IV CIRCLE.

*(1) Lawrence Asylum (female branch), Lovedale.
(2) Combined post and telegraph office, Ootacamund.
(3) Goverment offices and Council Chamber, Ootacamund.
(4) Government House, Ootacamund.
*(5) Powder magazine, Ootacamund.
*(6) Police powder magazine, Coimbatore.
*(7) Powder magazine, Malapuram.
*(8) Powder magazine, Quilon.

V CIRCLE.

*(1) Government House, Guindy.
*(2) Police powder magazine, Manjakuppam.
*(3) Powder magazine, Vellore.

VI CIRCLE.

(1) District court-house, Tanjore.

CONSULTING ARCHITECT'S DIVISION.

*(1) Combined post and telegraph office.
*(2) Senate House.
*(3) Observatory.

NOTE.—Buildings marked with an *asterisk* are stated to be already provided with lightning conductors either useless or not in accordance with the Code of Instructions.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

✓ himself

1609

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated February, 6th.

Recd. *Encl.*

G.O., 6th Feb. 1886, No. 324 W.

FEBRUARY.

Lightning Conductors

Orders on letters from Superintending Engineers submitting lists of public buildings protected by — and of those unprotected.

27/8/85

List of Periodical Returns submitted by the Supg. Engineer 6: Circle to accompany the unanswered Reference list for the half year ending 30: September /85.

List of Periodical Returns submitted by the Superintending Engineer, ______ Circle—(Continued).

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
Half-yearly.	G.O., No. 879 of 6th June 1856 and No. 144 of 23rd September 1863.	List of Unanswered References	15th January & 15th July.	For the half year ending 31st March/85. 1st September/85.
	P. W. Code, paras. 60 and 281, and C. Engr.'s Cir. No. ~~660-C of 18th March 1884~~. 1802C of 9: November/85.	Recommendation Rolls, &c.	1st February & 1st August.	For the half year ending 30th June/85 16: July 1885.
Quarterly.	Chief Engineer's Cir. No. 2362 of 17th October 1881.	Distribution Return of Officers and Subordinates ..	5th January, 5th April, 5th July and 5th Oct.	For the quarter ending 31st December/85 5: January 1886—
	Chief Engineer's Cir. No. 1714 of 18th November 1876.	Return of European Non-commissioned Officers and Men of Royal Engineers.	25th March, 25th June, 25th September and 25th December.	For the quarter ending 31st December/85 21st December/85.
Monthly.	Circular No. 2106 of 12th September 1881, and 1204-C of 3rd July 1884.	Return of Arrivals and Departures of Royal Engineer Officers.	15th of each month.	— " —
	G.O., No. 1064-W, dated 23rd April 1881; Cir. No. 1829, dated 8th August 1881.	Progress Report of Works, Form E	18th of each month.	For the month of November/85. 26: December/85
	G.O. No. 1066C 17-6-85	Variation Statement showing changes in the Return of 2nd Class warrant officers & their families requiring passage to England—	By the 1st of each month—	For the month of December/85 5: January/86—

Trichinopoly 11: January/86.

Col. R.E.
Supg Engineer 6: Circle

List of Periodical Returns submitted by the Superintending Engineer, ______ Circle—(Continued).

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
(Continued).	G.O., No. ~~2997~~ 753 W of ~~12th December 1873.~~ 20-3-84.	Statement of Lands acquired by Government servants . .	15th April. - - - - -	For the year ending 31st March/85 11: May 1885.
	G.O., No. 1060 of 3rd June 1857 and Mis. No. 129 of 24th February 1864.	Report of Ancient Architectural Remains	Do. - - - - - -	For the year ending 31st March/85. 21st April/85.
	P. W. Code ~~G.Os., Nos. 3044 of 15th Dec. 1870 and 361 of 7th February 1865.~~ Para 1582 (VIII)	Statement of demands for ~~List of~~ Incomplete ~~works requiring funds~~ . . . . incomplete major works.	within 6 weeks after the close ~~30th April.~~ of the official year - - - -	For the year ending 31st March/85 7: May 1885.
	G.O., No. ~~1841~~ 1184 W of ~~18th July 1873.~~ 19-5-85.	Return of 2nd Class Warrant Officers and their families requiring passage to England.	By end of ~~15th May~~ April.	For the year 1885-86 11: May 1885.
Annually—	P. W. Code, para. 274 . .	Administration Reports	31st May. - - - -	For the year 1884-85 27: April 1885. Negapatam Do. 7: May/85 - Madura Do. 12: — Do. — Tanjore Do. 18: — Do. — Tinnevelly Do. 25: — Do. — Trichinopoly Do.
	Page 1199 of *Fort St. George Gazette* of 26th July 1873.	Estimate of Stationery (Europe)	1st June. - - - - -	For the year 87-88 3d June 1885.
	Page 1084 of *Fort St. George Gazette* of 15th June 1863.	Estimate of Stationery (Country)	1st July. - - - -	For the year 1886-87 3d June 1885.
	G.O., No. 2808-W of 7th December 1880.	Budget Estimates, × Imperial and ⁕ Provincial	1st October. - - - -	For the year 1886-87 × 21st Septr/85. ⁕ 25: — Do. —
	G.O., No. 373 of 1st March 1864, and G.O., No. 237-W of 28th January 1881.	Indent for Stationery	Do. ______	For the year 1886-87 21st October/85.

List of Periodical Returns submitted by the Superintending Engineer, 6th Circle.

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
Annually.	P. W. Code, para. 1160 ..	Extract from the Register of Public Buildings ..	1st January.	For the year ending 31st December/84 17: January/85
	G.O. No. 1934 W / 20-8-85	annual Return of Public Military Buildings	as soon as possible after 1st April.	"
	G.Os., Nos. 3359-W of 19th December 1882, 309-W of 29th Jany. 1883 and 1467-W of 21st May 1883.	Return of Lands or interest in Lands held by Covenanted Civilians and Military Officers in civil employ.	January.	For the year ending 31st Decem 1884. 15: January/85
	P. W. Code, para. 1582 ..	Statement of Requirements for Minor Works, Repairs, and Tools and Plant.	within 6 weeks after the close ~~By 31st March~~. of the official year.	For the year ending 31st March/85 7: May 1885.
	G.O., No. 2980 of 10th December 1883.	Statement of Works of Public Utility constructed by private individuals.	15th April.	

List of Orders of Government received up to { 31st March / 30th September } 1885, and remaining unanswered on { 1st January / ~~1st July~~ } 1886.

No.	Date.	Subject.	Remarks.
2055 W	4th September/85	Calling for revised Estimates for locating the Collector's office, the Judge's Court and their allied Departments in Tirumal Naik's palace.	The Estimates were forwarded thro' the Collector & the District Judge with Nos. 508 M.D / 21-12-85 & 455 M.D / 20-11-85. Permission is requested to omit this reference -
		Tanjore Division	
559 W	20-2-83	Calling for Estimates for constructing a Taluq Cutcheri at Kumbakonum and for converting the old Zillah Court into Sub Collector's office	The Estimate for the 1st work was sanctioned in G.O. No. 921 W of 18th April/85. & in para 2 of G.O. No. 1463 / 19-3-85 Revenue, it was decided that the present Tahsildar's Cutcheri be used as office accomodation for the Sub Collector & therefore no Estimate is prepared for the 2nd work. Permission is requested to omit this in future lists.

			"Sub Jails at Kulasegarapatam & Otta-pidaram, for which estimates are under preparation. Talug Cutcherri with Jail at Srivaikuntham, for which an Estimate was sent thro' the Collector on the 16th October/85 No 391 F.R.
1926 W	10th July/1883	Calling for an Estimate for constructing a Sub-Registry office at Radapuram	The Estimate is under preparation
390 W	13th February 1884	Calling for an Estimate for constructing a Talug Cutchery at Srivaikuntham	Estimate sent thro' the Collector on the 16th October/85 No. 391 F.R. — Permission is requested to omit this reference.
		Madura Division	
2214 882 2596 779 A 1691 184	10th July/68 10th March/69 7th August/69 15th March/71 24th June/74 28th November/76	Requesting to forward Estimates for new Deputy Tahsildar's Cutcherries with Subsidiary Jails on plan 2 at Nelacottah, Vedasundur, Uthamapoliam, Tirumadanai, Kodaikanal & Shivagunga	Estimates for the first 5 Cutcherries have been Sanctioned
1677 W	4th July 1883	Calling for an Estimate for the construction of an office for the Sub Registrar at Tirumungalum	Estimate Sanctioned in G.O. No. 2502 W of 23/10/85. Permission is requested to omit this reference in future lists.

List of Orders of Government received up to {~~31st March~~ 30th September} 1885, and remaining unanswered on {1st January ~~1st July~~} 1886.

No.	Date.	Subject.	Remarks.
		Trichinopoly Division	
1106 W	11—5—85	Calling for plans & Estimates for improving the Surface Drainage of the Trichinopoly Central Jail and for sinking one or two wells outside the Jail enclosure	The Estimate &c for the 1st work, was sent thro' the Inspector Gl. of Jails, with No. 4183 C of 18th November/85.
		Tinnevelly Division	
3370 779 A 184.	26—10—68 15—3—71 28—11—76	Calling for estimates for building new Cutcherries &c with the requisite Jail accomodation at Shermadevi, Srivaikuntham, Koilpati, Kulasegarapatam, Sunkaranainarcoil, Satur & Watrap and also for alteration to the Cutcherri at Ottapidaram.	The Sankaranainarcoil Jail Estimate was sanctioned in G.O. No. 1907 W of 19th July/79 and an Estimate for the Head assistant Collector's office at Shermadevi was sanctioned in G.O. No. 1353 W of 12th May/79. The Collector in his letter No. 168 of 26th July/84 states that no Estimates are required for other Stations except

			at Kulasegarapatam & Otta
375 W	2-2-83	Requesting to Submit Estimates for Constructing Huts for the preventive Police force on the Karaikal frontier	Estimates sanctioned in G O No. 2344 W d/9th October/85. Permission is requested to omit this in future lists—
418 W	21—2-85	Calling for an Estimate for a District Munsiff's Court House at Tiruvalur Tanjore District	Estimate will be prepared & Submitted as the type design for tiled roof approved of in G O No. 505 W d/6th March/85 was received only a few days ago.
		Ramnad Division	
1930 W	20-8-85	Calling for an Estimate for repairing the Port Officer's Bungalow at Pamban	Estimate Sanctioned in G O No. 2656 W of 7-11-85. Permission is requested to omit this reference in future lists
1701 W	21-7-85	Requesting to prepare an Estimate for the work, which is considered necessary in the Case of the Light House at Pamban.	For the present nothing is considered necessary.

Trichinopoly 11th January/86.

Col RE

Superintending Engineer 6th Circle

No. 867 W d/ March 31. 1886

Permission is granted for the omission of the undermentioned orders from future returns:—

G.O. No. 390 W d/ 13th Feb. 84
" 1677 W d/ 4th July 1883.
" 2055 W d/ 4th Sept. 85
" 559 W d/ 20 Feby. 83
" 375 W d/ 2 Feby. 83
" 1930 W d/ 20 Aug. 85.

30/3/86

30.3.

To S. E. VI Circle

Despd. 31-3-86.

From,
The Supg. Engineer
6th Circle

To,
The Chief Engineer
P. W. D.

Dated 11th January /86.

No. 867 W d/ March 31. 1886

List of orders of Government received up to 30th September/85 and remaining unanswered on 1st January 1886—

List of Periodical Returns submitted by the Superintending Engineer, 6th Circle.

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
Annually.	P. W. Code, para. 1160	Extract from the Register of Public Buildings	1st January.	For the year ending 31st December 1885 15th January 1886.
	G.O. No. 1934 W 20-8-85	Annual return of Public Military Buildings	as soon as possible after 1st april	For the year ending 31st March 1886 10th May 1886.
	G.Os., Nos. 3359-W of 19th December 1882, 309-W of 29th Jany. 1883 and 1467-W of 21st May 1883.	Return of Lands or interest in Lands held by Covenanted Civilians and Military Officers in civil employ.	January.	For the year ending 31st December 1885 9th January 1886.
	P. W. Code, para. 1582	Statement of Requirements for Minor Works, Repairs, and Tools and Plant.	Within 6 weeks ~~By 31st March.~~ after the close of the official year	For the year ending 31st March 1886 12th May 1886.
	G.O., No. 2980 of 10th December 1883.	Statement of Works of Public Utility constructed by private individuals.	15th April.	

Encl 61

P.W.C. No. 5257-86

List of Periodical Returns submitted by the Supdg Engineer 6th Circle, to accompany the unanswered reference list for the half year ending 31st March/86-

List of Perio dical Returns submitted by the Superintending Engineer, 6th Circle—(Continued).

Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
G.O., No. ~~2997 of 12th December 1873.~~ 753W of 2 -3-84	Statement of Lands acquired by Government servants ..	15th April.	For the year ending 31st March 1886 15th april 1886 12th May 1886.
G.O., No. 1060 of 3rd June 1857 and Mis. No. 129 of 24th February 1864.	Re port of Ancient Architectural Remains	Do.	For the year ending 31st March 1886 15th april 1886
P.W. Code para 1582 (VIII)	Stateme nt of demands for incom-plete major Works	Within 6 weeks, after the close of the official year.	For the year ending 31st March 1886 12th May 1886-
~~G.Os., Nos. 3044 of 15th Dec. 1870 and 361 of 7th February 1865.~~	~~List of Inco mplete works requiring funds~~	~~30th April.~~	
G.O., No. ~~1841 of 18th July 1873.~~ 11847W of 19-5-85	Return of 2nd Class Warrant Officers and their families requiring pass age to England.	~~15th May.~~ By end of April	For the year 1886-87 7th May 1886.

(Continued).

List of Periodical Returns submitted by the Superintending Engineer, 6th Circle—(Continued).

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
Half-yearly.	G.O., No. 879 of 6th June 1856 and No. 144 of 23rd September 1863.	List of Unanswered References	15th January & 15th July.	For the half year ending 30th September 185 11th January 1886
	P. W. Code, paras. 60 and 281, and C. Engr.'s Cir. No. ~~660-C of 18th March 1884~~ 1802-C of 9-11-85	Recommendation Rolls, &c.	1st February & 1st August.	For the half year ending 31st December 185 6th February 1886
Quarterly.	Chief Engineer's Cir. No. 2362 of 17th October 1881.	Distribution Return of Officers and Subordinates ..	5th January, 5th April, 5th July and 5th Oct.	For the Quarter ending 31-3-86 4th April 1886
	Chief Engineer's Cir. No. 1714 of 18th November 1876.	Return of European Non-commissioned Officers and Men of Royal Engineers.	25th March, 25th June, 25th September and 25th December.	For the Quarter ending 31-3-86 3rd April 1886

	Authority calling the Returns.	Subject.	Date on which the Return is due.	For what period and when the Return was submitted.
Monthly.	Circular No. 2106 of 12th September 1881, and 1204-C of 3rd July 1884.	Return of Arrivals and Departures of Royal Engineer Officers.	15th of each month.	For the month of March 1886 28th March 1886
	G.O., No. 1064-W, dated 23rd April 1881; Cir. No. 1829, dated 8th August 1881.	Progress Report of Works, Form E	18th of each month.	For the month of May 1886 2nd June 1886
	G. O. No. 1066-C of 17-6-85.	Variation statement showing changes in the returns of 2nd class warrant officers & their families requiring passage to England	By the 1st of each month	For May 1886 5th June 1886

Supdg. Engr's Office 6th Circle
Kodaikanal 10th July 1886.

Lieut. Col. R.E.
Supdg. Engineer 6th Circle

Annually—	P. W. Code, para. 274 ..	Administration Reports	31st May.	For the year 1885-86 8th May 1886 16th May 1886 11th — Do — 15th — Do — 5th — Do — 12th — Do —	 Trichy Dt Tanjore Dt Negapatam Dt Ramnad Dt Madura Dt Tinnevelly Dt
	Page 1199 of *Fort St. George Gazette* of 26th July 1873.	Estimate of Stationery (Europe)	1st June.	For the year 88-89 10th June 1886-	
	Page 1084 of *Fort St. George Gazette* of 15th June 1866.	Estimate of Stationery (Country)	1st July.	For the year 1887-88 10th June 1886-	
	G.O., No. 2808-W of 7th December 1880.	Budget Estimates, X Imperial and ✳ Provincial	1st October.	For the year 1886-87 X 21st September/85 ✳ 25th — Do —	
	G.O., No. 373 of 1st March 1864, and G.O., No. 237-W of 28th January 1881.	Indent for Stationery	Do.	For the year 1886-87 21-10-85.	

List of Orders of Government received up to { 31st March / 30th September } 188 , and remaining unanswered on { 1st January / 1st July } 188 .

No.	Date.	Subject.	Remarks.

List of Orders of Government received up to { 31st March / ~~30th September~~ } 1886, and remaining unanswered

on { ~~1st January~~ / 1st July } 1886.

No.	Date.	Subject.	Remarks.
			138. T.W. of 24-6-86 and the one for the latter is under preparation. Talug Cutcheri with Jail at Srivaikuntham for which an Estimate was sent through the Collector on the 16th October/85 No. 391. T.W.
1926.W.	10-7-83	Calling for an Estimate for constructing a Sub Registry Office at Rádapuram.	Estimate was submitted and sanctioned in G.O. No. 415 W. of 20th February/86.
		Madura Dt.	
		Ramnad Dt.	
1701.W.	21-7-85	Requesting to prepare Estimate for the work which is considered necessary in the case of the Light House at Pamban.	For the present, nothing is considered necessary.

Supdg. Engineer's Office 6th Circle }
Kodaikanal 10th July 1886 }
Despd: 12:

Lt. Col: R.E.
Superintending Engineer
6th Circle

List of Orders of Government received up to { 31st March / ~~30th September~~ } 1886, and remaining unanswered

on { ~~1st January~~ / 1st July } 1886

No.	Date.	Subject.	Remarks.
		Trichinopoly Dt.	
1106.W.	11-5-85	Calling for plans and Estimates for improving the surface Drainage of the Trichinopoly Central Jail and for sinking one or two wells outside the Jail enclosure.	The Estimate for the 1st work was sent through the Inspector General of Jails with No. 418 J.C. of 18th Novr./85. The Executive Engineer states that the superintendent is excavating a well and that an Estimate will be prepared when it is nearly finished
704 W.	17-3-86.	Calling for an Estimate for the construction of a Hospital at the new District Jail Trichinopoly	The revised Estimate of Rs 129,640 for the District Jail Trichinopoly, which was sent through the Inspector General of Jails with No. 115. J.C. of 6th June/86, includes provision for a hospital. No. 5352 not yet disposed of
		Tinnevelly Dt.	
3370 779.A 184	26-10-68. 15-3-71. 28-11-76.	Calling for Estimates for building new Cutcherries &c with the requisite Jail accommodation at Shérmadevi, Srivaikunthum, Koilputty, Kulaségarapatam, Sankaranainarkoil, Satur, and Watrape and also for alteration to the Cutcheri at Ottapidaram.	The Sankaranainarcoil Jail Estimate was sanctioned in G. O. No. 1907 W. D/19th July/79, and an Estimate for the Head Assistant Collector's Office at Shermadavi was sanctioned in G. O. No. 1353 W. of 12th May 1879. The Collector, in his letter No. 168 of 26th July/84, states that no Estimates are required for other stations except for the following Sub Jails at Kulasegarapatam and Ottapidaram; an Estimate for the former has been sent through the Collector with No.

List of Orders of Government received up to { 31st March / ~~30th September~~ } 1886, and remaining unanswered on { ~~1st January~~ / 1st July } 1886.

No.	Date.	Subject.	Remarks.
2985 W.	12-12-86.	Calling for an Estimate for the Ex- [illegible] at Negapa-tam	An Estimate was sent to the Chaplain at Negapatam with No. 108. T. J. of 24th April 1886 and returned for re-vision by the Archdeacon of Madras with his No. 69 of 15-6-86. and will be attended to.
324. W.	6-2-86	Requesting to submit an Estimate for providing Lightning Conductor to the District Court House Tanjore.	An Estimate was received from the Executive Engineer and returned for revision with No. 1854. T. J. of 27-2-86.
2214 882 2596 779. A 1691 184	10-7-68 10-3-69 7-8-69 15-3-71 24-6-74 28-11-76.	Requesting to forward Estimates for new Deputy Tahsildars' Cutcheries with subsidiary Jails on plan No. 2 at Nelacottah, Vedasandur, Uthamapaliam, Tiruvadanai, Kodaikanal and Shivaganga.	Estimates for the first five Cutcheries have been sanctioned and the Estimate for the Shivaganga Cutcheri is under preparation
697. W.	16-3-86.	Calling for a plan + Estimate for constructing a retiring room for the Collector of Madura over the roof the Tirumal Naiks' palace	Estimate was submitted through the Collector on the 25th June with report No. 114. M. D. Estimate received [illegible]
		Tanjore Dn.	
418. W.	21-2-85.	Calling for an Estimate for a District Munsiff's Court House at Tiruvalur in the Tanjore District.	Estimate has been received from the Executive Engineer and will be submitted shortly.