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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. D. DEPARTMENT

G.O. No.	2813-14.	Press.
B.P. No.		Mis.
Dated	12.11.1881.	187 .

JP

Not to be folded or roughly handled

9813/1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

12th November 1881, No. 2813 W.

Buildings and Roads.
Military Works.

Read the following papers :—

No. 57. From the Superintendent of Works, Presidency, dated 21st October 1881, No. 2702.

No. 57-A. To the Military Department, dated 29th October 1881, No. 2475.

No. 57-B. Proceedings of the Madras Government, Military Department, dated 4th November 1881, No. 5834.

MEMORANDUM from the Public Works Department, No. 2475, dated 29th October 1881.—Submitting, for approval, estimate amounting to Rs. 1,870 for providing lightning conductors to the buildings connected with the improvements to the Gun Powder Factory, Madras.

Approved.

(True Extract.)

(Signed) E. L. HANKIN, Colonel,
Ag. Secy. to Govt., Mily. Dept.

No. 58. ORDER THEREON, 12th November 1881, No. 2813 W.

THE supplementary estimate, amounting to Rs. 1,870, for providing lightning conductors to the buildings connected with the improvements to the Gun Powder Factory, Madras, and for plastering the walls, &c., of a portion of the existing buildings, is sanctioned.

2. The amount of the present estimate is in addition to the one for Rs. 1,85,013 sanctioned in G.O., No. 2740 W., dated 31st October 1879, for improvements to the

<p>* G.O., No. 2740 W. of 31st Oct. 1880 1,85,013</p> <p>" " 428 W. 17th Feb. 1881 550</p> <p>" " 2489 W. 10th Oct. " 550</p> <p>" " 2813 W. 12th Nov. " 1,870</p> <p style="text-align: right;">Total ... 1,87,983</p>	<p>Gun Powder Factory, for which there is an allotment of Rs. 13,900 in the current year's Military Budget. The sum of Rs. 590 provided in the former estimate for lightning conductors has been deducted in the latter. The total amount of the estimate for improvements to the Factory will now stand at Rs. 1,87,983.*</p>
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3. This sanction has been registered as Imperial Ordinary, No. 45 W. of 1881-82, and classified as Military, Original Works.

(True Extract.)

Lieut.-Colonel, R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle, with two enclosures.
" Examiner of Public Works Accounts, with duplicate Abstract Estimate.
" Military Department.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1881) Madras.
PUBLIC WORKS.

To
THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c., &c., &c.

Dated November, 12th.

Issued

Recd.

Encl.

G. O., 12th November 1881, No. 2813 W.

NOVEMBER.

Nos. 57-58.

Gun Powder Factory, Madras.—Supplementary estimate amounting to Rs. 1,870 for providing lightning conductors to the buildings connected with the improvements to the —, &c., sanctioned.

P. W. DEPARTMENT—1881-82.

MEMORANDUM

Current No. *6144* *813/4*

Letter Number *2702.*

dated the *21st October, 1881.*

from the Super Engineer of *Works,*
Presidency.

Note of Remarks.

The Estimate with specification for providing lightning conductors to the buildings connected with the improvements to Gun Powder Factory — & for plastering the walls &c of a portion of the existing buildings, amounting to Rs 1870.

The Estimate provides for conductors formed of copper bands $1\frac{1}{2}$ " x $\frac{1}{8}$ " carried along the ridge, hips & eaves. The upper extremity of the conductors to be formed of copper rods $\frac{1}{2}$ " diameter & 5 ft long — pointed at top & fixed at bottom to copper blocks firmly rivetted & soldered to copper bands. The earth termi-
nal to be carried along under benches $1\frac{1}{2}$ ft x 2 ft deep (filled with layers of charcoal) into wells 3 ft 3 in x 9 in or from 2 to 3 ft of water — & also for plastering with Mungas Cement in place of the existing pointing the exterior of the walls.

The Rates more or less agree with the Birk Schedules.

The Estimate has been approved of by His Excellency the Commandant in Chief & countersigned by the P. W. Secy. Madras.

27th Oct/81

No. 2702

MADRAS,
Chepauk, 21 October 1881.

From

THE SUPERINTENDENT OF WORKS,
PRESIDENCY.

To

THE Chief Engineer,
Public Works Department.

SIR,

Enclosures. 3

Abstract Estimate
in duplicate
Specification

Item No. 9
in Budget of 1881-82.
No. 2740W
of 31 Oct 79.

I have the honor to forward for sanction
and allotment of funds an Estimate of Rs. 1870-
for providing Lightning Conductors to the
Buildings connected with the Improvement
to Gun Powder Factory now in progress and also
for plastering with Morgue's Cement in place
of the existing painting the exterior of the walls
for the better preservation of the Buildings.
As regards the deductions made in the
Abstract Estimate it is to be explained
that different lump sums aggregating Rs.
590- were allowed in the Original
Estimate for the 3 Conductors which sums
are therefore deducted from the full
Estimated cost of each conductor as now
designed in accordance with existing regulations.

The Estimate has been approved
of by His Excellency the Commander

28/10/81 R.P.

in Chief.

I have the honor to be
Sir
Your Most Obedient Servant
W. B. Burton June 20th 1864
Superintendent of Works & Machinery

9813
14

From P. W. C. No 6144
The Supt of works,
Presidency.

No 2702

Dated 21st
Recd 25th } October 1881.

Enclor. 3.

Improvements to Gun Powder
factory.

Submits for sanction
an estimate of Rs 1870 for
providing Lightning Conductors
to buildings connected
with the —

C. No. 6144

P. W. Secretariat.

Note by Budget Section.

28/3

Work

Remarks and References.

Providing Lightning Con-
ductors to the buildings
connected with the Im-
provements to the Gun
Powder Factory Madras

Fund Imperial Ordinary

Service Head Military

Departmental Head Civil Works

Amount of estimate ... Rs 1870 + 185013 = 186883.

Expenditure in previous year ... 169771

Allotment in current year ... 13900

Balance required to complete ... 3212

Total Rs. 186883

Note of available funds.

The amount of the present estimate is
in addition to that of Rupees 185013 sanc-
tioned in G.O. No 2740 W. of 31st Dec 1879 for
Improvements to the Gun Powder Factory at
Madras. Item No 9 of 1881/82 Budget with an
allotment of Rs 13900. In that estimate
Rs 590 were provided for Lightning Conductors,
which is deducted in the present Estimate.
If the present estimate is sanctioned, the
total amount of the Estimate for improve-
ments to the Gun Powder Factory will stand
at Rs 186883 instead of Rs 185013.

28/10/81

R.P.

Note by Budget Section.

25/34

9813/6

25 Oct.

Dear Thompson

Hitherto the conductors at the
G. P. Factory have been put up as
follows— and I
propose to adopt
it in putting up
the other conductors

wanted—in principle that is to say.

For there are a few alterations
desirable—for instance—

- a — the ~~up~~ upright rod $5 \times \frac{1}{2}$ " diamⁿ should have a screwed ^{hollow} end.
- c — a copper disc 2 " diamⁿ $\times$ 1 " deep — should have a female screw through it into wh:

Note by Budget Section

to insert from below the copper band a male screw - as of course
together - band - disc & rod.

It should be stout copper wire as heretofore

b' " " iron wire.

c' " " granite blocks with

a leaded hole into wh. affix

a stout copper screw. in lieu

of tank blocks affording

means for wh. ants &c.

d Should be a band $1\frac{1}{2}'' \times \frac{1}{8}''$ -

& not $3'' \times \frac{1}{2}''$ as heretofore

As you are on to this G.O.

Factory Est. for finishing
lightning conductors I may

add that metal bands

are allotted - the work cannot
be done - & the buildings can
not be used I'm told.

8/8/7

Yours truly

L. H. Burton

Military Buildings - Ordnance.

No. 5834

Government of Madras.

MILITARY DEPARTMENT.

Sat 11th Nov 1881. 4 November 1881.

Memorandum from the Public Works Departt. N: 2475. dated 29th October 1881, submitting, for approval, estimate amounting to Rupees 1870 for providing lightning Conductors to the buildings connected with the improvements to the Gun Powder Factory, Madras.

Order — Approved.
(True Extract)

W. H. D. Colmel
Adj. Secretary to Govt.

To
The Public Works Departt.
all enclosures returned.

P.B. No. 2740 W. 21-10-79 (orig)
C. E. No. 2475. 29.10.81.

PWD
Proceedings of Govt.
Daily Dept
No. 2475

Df 29 Oct/81.
Rf

Approving Estimate
of Rs 1870 for lightning
conductors to buildings
connected with improve-
ments to Gun Powder
Factory, Madras.

C. 10.11. 1881

No. 2813 W

B.A.R.
Public Works

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 12th November 1881
read the following:—

From the Supdt of Works, Presidency (No. 2702 of 21st Oct 1881)
To the Military Department (No. 2475 of 29th Oct 1881)
From the ^{do} (No. 5834 of 4th Nov 1881)

The supplementary
estimate amounting to Rupees
1870, for providing lightning
conductors to the buildings
connected with the improve-
ments to the Gun Powder
factory, Madras, and
for plastering the walls &c.
of a portion of the existing
buildings is sanctioned.
2. The amount of the
present estimate is in
addition to the one for
Rupees 185,013 sanctioned

in G.O. No 2740 W of 31st Nov 1880
to October 1899, for improvements
to the Gun Powder Factory,
for which there is an
allotment of £13,900 in
the current years Military
Budget. The sum of £
590 provided in the former
estimate for lightning conductors
has been deducted in
the latter. The total
amount of the estimate
for improvements to the
Factory will now stand
at £ 157,983

£40. 42 2740 ^W 31 Dec 80 - Rs	1,85,013.
" " 428 317 7 Feb 81 - "	550
" " 218910 810 Oct 81 - "	550
" " 2813 1212 1 Nov 81 - "	1870
Total Rs 1,87,983	

3. This sanction has been
registered as Imperial
Ordinary No 45 W of 1881.82,
and clasified as Military
Original Works.

The S.E. V Circle with 2 Subdivs
" Examiner W. A. Carter
with duplicate at the
" Military Dept
Recd 19-11-81.

[Signature]

3/11/81

C. 10. 11.

6144.

Govt. of Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O. 12th Nov. 1887 No. 2813/17.

Nos. 57656

Gun Powder Factory,
Madras Supplement
Estimate amtg. to Rs. 1875.
for providing lightning
conductors to the buildings
connected with the
improvements to the
gun sanctioned.

Entd. in Receipt Book