

Public Works (1898) Department.

G.O., No. 2434 W

DATED 20th Sept '98

21/9/98

Collector's Office at Trichinopoly

[Despatch Abstract.]

Estimate aggregating Rs 11660
for certain works connected with the
Sanctioned, with remarks.

10/110
2/13

1 1/2" diameter, the

Government {1898} of Madras.
PUBLIC WORKS.

} 1898.

Spare copies

G.O., No. 2434 W., 20th September 1898.

SEPTEMBER.

Collector's Office at Trichinopoly

Estimates, aggregating Rs. 11,660, for certain works connected with the —, sanctioned, with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., Mis. No. 5528, Revenue, dated 28th October 1897.

Read—the following Proceedings of the Board of Revenue (Land Revenue), Mis. No. 3452, dated 14th September 1897 :—

Read—letter from B. MACLEOD, Esq., Acting Collector of Trichinopoly, to the Secretary to the Commissioners of Land Revenue, dated 4th September 1897, Dis. No. 1600/Rev.

ABSTRACT.—Submitting an estimate for Rs. 11,500, together with plans, for extending the strong-room of the District treasury and for converting the plunge-bath into a store-room, and requesting to obtain sanction of Government.

Resolution—Mis. No. 3452, dated 14th September 1897.

The plans and estimate, amounting to Rs. 11,500, for extending the Huzur treasury, Trichinopoly, to accommodate a small coin depot and for converting the old plunge-bath room into a store-room for printed forms and stationery, are submitted for the sanction of Government, with reference to G.O., No. 2182, Revenue, dated 18th November 1896.

2. A copy of these Proceedings will be forwarded to the Accountant-General for information.

(True Extract.)

(Signed) R. C. C. CARR,
Secretary.

Order—Mis. No. 5528, Revenue, dated 28th October 1897.

The plans are approved and the estimates will be transferred to the Public Works Department for scrutiny and sanction.

(True Extract.)

(Signed) N. E. MARJORIBANKS,
Ag. Under Secretary to Government.

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 17th August 1898, No. 1370 T.C.

With reference to your memo., No. 1637 C., dated 16th March 1898, returning for further information the estimate of Rs. 11,500 for extending the Huzur treasury and converting the swimming-bath into a store-room for printed forms and stationery, I have the honour to resubmit the estimate after attending to the instructions given. Rolled steel girders have been substituted for wooden beams. The weight of terrace will be carried equally by six rolled girders of the same dimensions, that is, 12" × 6", weighing 40 lb. per foot run. Calculation sheet accompanies.

2. I forward a section of pillars in the swimming-bath on which the steel girders will rest. It will be seen that the pillars are of brick in chunam throughout and appear to be strong enough, the foundations being carried down to rock.

3. The thickness of the terrace will be 9 inches and will consist of a course of brick on edge 3 inches thick, brick jelly 3 inches, three courses of flat tiles 2 inches and plaster 1 inch. The thickness at the centre has been increased to 12 inches to form slopes to enable rain water to run off quickly.

4. The Executive Engineer reports that the door is in good order and requires no strengthening or any additional locking arrangements, but provision is made for providing all the windows in the bath with iron bars and new frames, &c.

5. The value of materials that may be realized from their sale will be Rs. 75 from the treasury and Rs. 5 from the swimming-bath, making a total of Rs. 80 in all. The estimate which has been recast now amounts to Rs. 11,400.

Note by the Chief Engineer, Public Works Department.

The girders proposed by the Superintending Engineer are not of sufficient strength, if the usual allowance of 80 lb. per square foot is made for live load. A section of 14" × 6", weighing 57 lb. per foot run, should be substituted.

2. The thickness of the terrace roof need nowhere exceed 9 inches, and the necessary slope of $\frac{1}{2}$ inch to a foot should be given by attaching a long strip of wood to the upper flange of each girder, the joists being laid across, and the terracing then laid in the usual manner. Sketches to illustrate this method of sloping the roof are shown on the plan.

3. It is questionable whether the load on each pillar, viz., 5 tons per square foot at the top, is not too great for the class of brickwork generally found upcountry. The Superintending Engineer should satisfy himself that the brickwork can stand such a load. A cutstone slab of the full diameter of the pillar and 4 inches to 6 inches thick should be placed under each girder as a bed plate.

(Signed) W. B. DEWINTON,
Chief Engineer.

10th September 1898.

ORDER—No. 2434 W., dated 20th September 1898.

The estimates, aggregating Rs. 11,660, as altered by the Chief Engineer, for the undermentioned works in the Collector's office at Trichinopoly, are sanctioned for execution when funds are available :—

	Rs.
(a) Extending the strong-room of the District treasury	7,570
(b) Converting the plunge-bath into a store-room	4,090
Total	11,660

No. 2434 W., 20TH SEPTEMBER 1898.

2. Attention is drawn to the Chief Engineer's note read above.
3. This sanction has been registered as Provincial No. 65 W. of 1898-99, and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) W. B. DEWINTON,
Secretary to Government.

To the Superintending Engineer, VI Circle, with // enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. T. K. Narayana Aiyangar.

P.W. DEPARTMENT.

Papers to be read in Proceedings:—

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 10909 of 1897, dated 28th October 1897, from the Revenue Dept
" " 6977 " 1898, " 17th August 1898, " the S.E. VI circle No 1730
" " " 189 , " September 1898, " Note by the Chief Engineer.
P.W.D.

ORDER.

No: 2434 W of 20.9.98

The estimates, aggregating Rs 11.660, as altered by the Chief Engineer, for the undermentioned works in the Collector's Office at Trichinopoly, are sanctioned for execution when funds are available :-

(a) Extending the strong room of the District Treasury —	Rs 7.570
(b) Converting the plunge bath into a store room —	4.090
Total	11.660

2. Attention is drawn to the Chief Engineer's note read above.

3. This sanction has been registered as Provincial No 65 W of 1898-99, and classified as Civil Buildings, Original Works.

ACK

8.9.98. 10.9.98

P.K.B

Note The estimate has been dealt with in

2. the S.E. VI circle with pencils
Exd. P.W. Accts
Revenue Dept

[P.W.D.]

11.9.98 16.9.98

in the technical notes flagged A and F and
the note by the Chief Engineer read above.

Handwritten: 108.8

CS

P.K.S.

Note by the Chief Engineer

The girders proposed by the Superintending Engineer are not of sufficient strength if the usual allowance of 80 lbs per Sq. ft. is made for live load. A section of 14" x 6", weighing 57 lbs per ft run, should be substituted.

2. The thickness of the terrace roof need nowhere exceed 9", and the necessary slope of $\frac{1}{2}$ " to a foot should be given by attaching a long strip of wood to the upper flange of each girder, the joists being laid across, and the terracing then laid in the usual manner. Sketches to illustrate this method of sloping the roof are shown on the plan.

3. It is questionable whether the load on each pillar, viz ⁵ tons per square foot

in post at the top is not too
 for the class of masonry generally found up country
 the great. The Supdy. Engineer
 should satisfy himself
 that the brickwork can
 stand such a load.

APK
 8.8.98
 10.9.98

a cast-iron slab of the
 full diameter of the boiler &
 4" to 6" thick should be
 placed under each boiler &
 a level plate.

Calculation Sheet

2434

Joist $14 \times 9\frac{1}{2} + \frac{1}{4} + \frac{1}{2} + 46 = 765$

Terrace $21 \times 9\frac{1}{2} + \frac{3}{4} + 120 = 17,955$

Line Load $21 \times 9\frac{1}{2} + 80 = 15,960$
 lbs 34,680

Tons 15.4

* 90 lbs has been laid down
 for ordinary terracing per
 sq. ft. so that it is simply
 necessary to multiply number
 of square feet of terracing by
 90, instead of multiplying
 cubic content by 120 lbs. Either
 method gives the same result.

$W = L + W$
 $= 21 + 15.4 = 323.4$

from Duncan Long & Co Handbook
 page 24, plate 62 a section
 14" x 6" weighing 57 lbs per foot
 run will be required.

Correct.

$\frac{10.11.}{3.9.98}$

Note by W.

The joists proposed by the PS
 are not of sufficient strength,
 if the usual allowance of 80
 lbs per sq. ft is made for line
 load. A section of 14" x 6" weigh-
 ing 57 lbs per ft run, should be
 substituted.

N.H. It would appear that
 live load was not included
 in the calculations of the
 Executive Engineer.

APK
 5.9.98.

2. The thickness of the
 terrace roof need nowhere ex-
 ceed 9" & the slope should be of $\frac{1}{2}$ "
 to a foot, and be given by attaching
 a long strip of wood to the upper
 flange of the joist, the joists
 being laid across, & the terracing
 thus laid in the usual manner. It is
 to illustrate this method of sloping the
 roof, are shown on the plan.

3. It is question-
 able whether the load
 on each pillar, viz 8
 tons per sq. foot at
 the top, is not too
 great. The S-I should
 satisfy himself that the
 brickwork can stand
 such a load.

APK 5.9.98.

Crushing weight on base of pillars

$$\text{Weight of pillars } 2.3 \times 13 \times 120 = 3510 \text{ lbs} \\ = 1.6 \text{ Tons}$$

$$\text{Weight of new roof coming on pillars } = 7.7 \text{ Tons}$$

$$\text{Weight of old (side) roof do - } = 2.2 \text{ Tons}$$

$$\text{Total weight - } 9.9 \text{ or } 10 \text{ Tons}$$

$$\text{Area of pillars } 1' 9" \text{ dia} = 2.23 \text{ sq ft} \\ \text{Weight on this about } 5 \text{ Tons}$$

$$\text{Area of base of pillars } 2' 6" \times 2' 6" = 6.25 \text{ sq ft}$$

Weight on this about 2 Tons.
See plan book.

N.B. The pillars are founded on rock. vide sketch.

$$\frac{10.2 \text{ Tons}}{6.9 \text{ Tons}}$$

Public Works Department.

Current No. 6977

Letter No. 1370 T.C.

Dated 17th Dec 1898

From the Supt. Engineer II Circle.

NOTE BY TECHNICAL SECTION.

S.A.W.
Draft B.O. sanctioning rule -
made & fairly why of this can be
made after 2 sketches revised
have been signed on plans &c
+ converting the plunge bath into a stone room
for printed forms &
stationery.

The term "improving
the plunge bath" was
used in the Budget list
which was laid before
the Budget Committee, &
the Hon. member wanted
to know why improving
the plunge bath should
be brought forward as
a public work.

A correction has ^{on} 27/9/98
been made in the above
heading.

Name of work... Collector's Cutchery
Tachinopoly. Extending the
strong room in the District
Treasury and ^{converting}
the Plunge bath into a stone
room. Est. R. 11,400.

This Estimate was called for
in G.O. No. 3171 W dated 6th Novr
1896 and submitted by the
Supt. Engr II Circle through the
Collector with his No. 1586 T.C.
of 30th August 1897.

The Estimate was prepared
in accordance with the
suggestions of the Collector
contained in his No. 642
dated 10th Sept. 1896.

The Chief Engineer in his
No. 1637 C.W. dated 16.3.98
returned the Estimate for
revision with reference to
the following points.

1. There is nothing to show
that the existing billans

are strong enough to carry a terrace roof, or that they have been examined & found to be sound.

2. Steel girders should be substituted for wooden beams in the terrace roof.

3. The terrace roof, as drawn, is $1\frac{1}{2}$ ' thick at the center but no details of how the terracing is going to be done are given.

4. No mention is made as to the condition of the door or doors to the building or whether they require strengthening and additional locking arrangements.

5. No allowance is made for the value of materials in the existing roof, swimming bath or strong room.

The Sups. Engineer re-submits the Estimate, with his letter quoted above, after attending to the points noticed by the Chief Engineer.

1. A section of the pillars in the swimming bath which will carry the steel girders is furnished.

These are built of brick in chain through out

Yes.
But the crushing weight of the rolled beams on the pillars is a maximum being about 5 tons per sq. ft. and this is certainly as much as the pillars can carry without crushing.

Generally speaking, I should permanently limit the weight on round pillars to 3 tons per sq. ft.

It depends entirely on the brickwork. If poor it can carry double the weight, but I certainly think that in the ordinary brickwork increased to 12 inches to face with a 2 to 4 tons slope is sufficient. There should be a concrete slab at top of the pillars. The slope should be given in the manner shown on leaf - the method adopted by P.A.

1/6" diameter, the foundation carried down to rock and are quite strong enough.

2. Rolled steel girders have been substituted for wooden beams. Calculations regarding the dimensions have been furnished by the Executive Engineer, attached to Estimate making the girders 12"x6" in section weighing 40 lbs per foot run. The total weight of the roof is taken to be 45 tons. It is not understood how this is arrived at.

In calculation sheet attached the section works out to 14"x6" weighing 57 lbs per foot run. This will make a difference in the Estimate as noted in pencil on it.

3. The terrace will be made up in the usual manner 9 inches thick, but the thickness at center has been increased to 12 inches to provide a 2 to 4 tons slope to enable the rain water to pass off quickly.

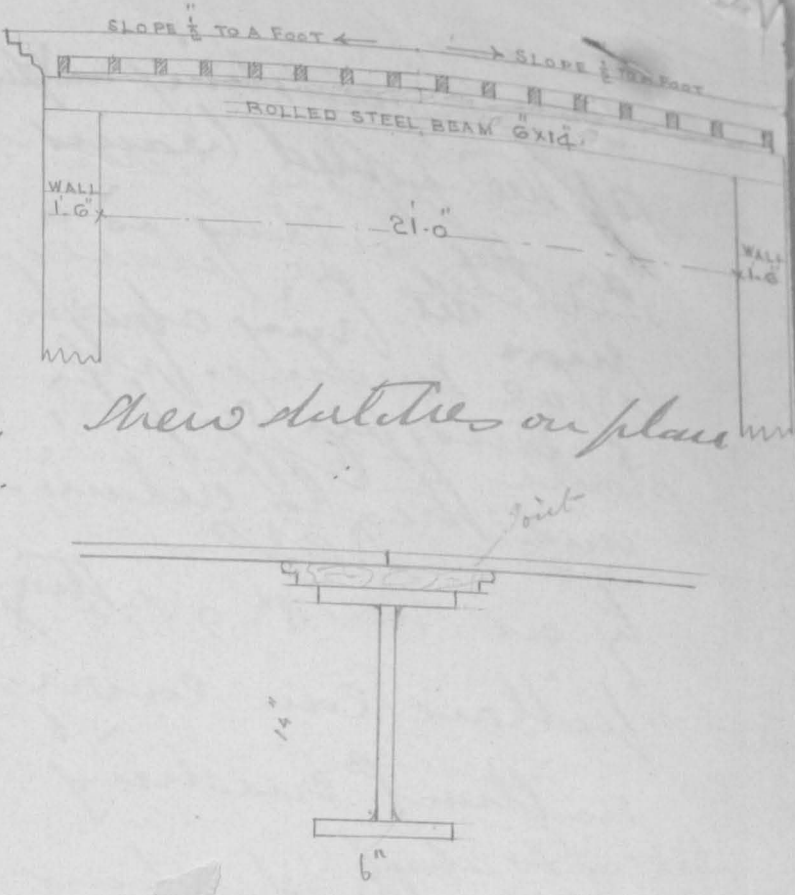
It is submitted that this is not the proper way to effect this. The slope should

piece in a long stick of wood attached to the upper flange of girder as shown in sketch per margin, the joints laid on this & the tinning finished in the usual manner 9" thick. Estimate has been altered, in pencil, accordingly. The Executive Engineer reports that the door is in good order & requires no strengthening or any additional locking arrangements, but provision is made for providing all the windows in the bath with iron bars and new frames.

The value of materials that may be realized from the sale of old materials is given at 80 Rs.

The Estimate as recast amounts to Rs 11,660-

11-7-01.
3.9.98.



new details on place

11,660
10 8 80

Public Works (1898) Department.

CURRENT No. 6977

Order

From
The Supy Engineer
Ol. Circle

No. 1370.T.C.

Dated 17th August 1898.

Received 20.8.98

Enclosures # 13 (3 plans)

Spare copies

SUBJECT.

Extending the Hozyer
Treasury & in which
debours the estimate for
after attending to the
instructions given.

1
Don't send
APR 25.8.98.
DW

Ln

025323
1229/9
025362
1219/9

BACK PAPERS.

FURTHER PAPERS.

No.	Date.
1637 C	16-3-98
4221 C	21-10-97
1639 D.	11-10-97
3770 C	6-9-97
3171 W	6-11-97

No.	Date.
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Dis. No. ¹⁶⁰⁰ of 97.
Rev.

Trichinopoly COLLECTOR'S OFFICE,
Dated 4th Sept. 1897.

FROM

Bannatyne Maister Esq.,

Ag. COLLECTOR OF

Trichinopoly

TO

THE SECRETARY TO THE COMMISSIONERS

OF LAND REVENUE,

Madras.



SIR, I have the honour to submit herewith duly countersigned by me an estimate amounting to Rs. 11,500 together with plans, received from the Superintending Engineer, VI Circle, for extending the Strong Room of the District Treasury so as to accommodate a small coin depôt, and for converting the old plunge bath room into a store room for printed forms and stationery. I request that the Board of Revenue will be pleased to forward them to Government for sanction.

I have the honour to be,
Sir,
Your most obed^t servant,

Mudacab
Jm. J. Collector

BACK PAPERS.

No.	Date.
1637 C	16-3-98
4221 C	21-10-97
1639 D.	11-10-97
3770 C	6-9-97
3171 W	6-11-97

No.

1370.T.C.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 17th August 1898.

From *Col. O. V. Boddy, R.E.*
The Superintendent Engineer,
6th Circle.

To
The Chief Engineer,

SIR,

P. W. D.

ENCLOSURES.

With reference to your
Memorandum No. 1637 C dated 16th
March 1898, returning for further
information the estimate of Rs 11,500
for extending the Hazur Treasury
and converting the Swimming bath
into a Store room for printed forms
and stationery, I have the honor
to resubmit the estimate after at-
tending to the instructions given -
I Rolled Steel girders have been substi-
tuted for wooden beams. The weight
of terrace will be carried equally by
six rolled girders of the same dimen-
sions, that is 12" x 6", weighing
40 lbs per foot run. Calculations
sheet accompanies.

2. I forward a section of pillars in the Swimming bath on which the steel girders will rest. It will be seen that the pillars are of brick in Chumam throughout and appear to be strong enough, the foundations being carried down to rock.

3. The thickness of the terrace will be 9 inches and will consist of a course of brick on edge 3" thick, brick jelly 3", three courses of flat tiles 2 inches and plaster 1 inch - the thickness at the centre has been increased to 12 inches to form steps to enable rain water to run off quickly.

4. The Executive Engineer reports that the door is in good order and requires no strengthening or any additional locking arrangements, but provision is made for providing all the windows in the bath with iron bars and new frames &c.

5. The value of materials that may be realized from their sale will be \$ 75 from the Treasury and \$ 5 from

from the swimming bath making a total of \$ 80 in all. The estimate which has been recast now amounts to \$ 11,400.

I have the honor to be
Sir,
Your Obedt. Servant.

J. I. Woddy
Asst. Secy. P.E.
Super Engineer, 11 Circle

Encl: 11.

- 1. Treasury Place
- 1. Plunge bath do
- 1. Report.
- 1. Det. Estimate
- 1. also: Estimate of Re.
and Reaches \$ 750
- 1. Hb. abstract
Estimate of \$ 11,400
- 1. Collection letter
Div No. $\frac{1600}{4-9-97}$
- 1. Copy of Est. No.
No. 345-28/14-8-97
- 1. Gr. No. 1. Dept. No.
5528 No. 28-10-97
- 1. Section of pillars
- 1. calculation sheet

[Signature]
17/9/97

P. W. D. 6th CIRCLE.

FROM
THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

TO
THE CHIEF ENGINEER.

NO.

Dated.

Received.

189

Enclosure.

No. 1637 cd 16-3-98

P.W.D.

Wm.

Order from the Rev. Dept. No. 5320 d 29-10-97

From the papers
CN 6977
98

- 1 Remuneration 4-5-98
- 2 - per 19-7-28

Forwarded to the
Superintendent VI circle
with reference to the
following matters: -

(1) The first part of
the estimate, i.e. estimate
the strong room is correct
but there are several
points in the conversion
of the swimming bath
which require considera-
tion.

(2) There is nothing to
show that the existing
pillars are strong enough
to carry a timber roof,
or that they have been
examined & found to be
sound. This should

INDEXED.

22/3/98

be done & the results reported -

(3) Steel girders should be substituted for wooden beams in the terrace roof -

(4) The terrace roof, as drawn, is $1\frac{1}{2}'$ thick at the center, but no details of how the terracing is going to be done are given - Information on this point should be afforded -

(5) Whether it is intended at present or not, it is certain that eventually the wooden platform will be used for storing stationery &c. - This being so, the joists & planking must be made much stronger - The Supt. Engr. is requested to consider whether it would not be practicable to have steps into the bath & to put the racks on the floor of the bath.

Note by Mr. Mullin Glendale Cal. the
para paragraph when it was
written into the plan that the
wooden platform was intended
only as a temporary -

Ch

(6) No mention is made as to the condition of the door or doors to the building, or whether they require strengthening & additional locking arrangements -

(7) No allowance is made for the value of materials in the existing roof, either of the swimming bath or strong room -

Ch

Ampl
14.3.98.

T. A.
B. H.

S-E VI under
with papers in
orig. (also
returned)

19/3/98

Current No. 10909

Letter No. 5528 misc

Dated 28th October 1897From the Revenue Department

NOTE BY TECHNICAL SECTION.

Name of work Extending the Strong Room of the District Treasary attached to the Collector's Office and improving the Plunge Bath in the Collector's Choultry-Trichinopoly.

Amount of Est Rs 11,400

The Estimate was called for in G.O. No 3171W dated 6th November 1896 and submitted by the Supt. Engr. II circle to the Collector for countersignature with his No 1586 T.C. of 3rd August 1897 and transferred to the P.W.D. by the Revenue Department in current quoted above.

The Estimate was prepared in accordance with the suggestions of the Collector vide his No 642 dated 10th September 1896.

The existing strong room under double lock will be extended up to XY on the tracing so as to include

W. The first part of this est. i.e. extending the strong room, is correct but there are several points in the conversion of the swimming bath which require consideration

(a) There is nothing to show that the existing pillars are strong enough to carry a terrace roof or that they have been examined & found safe and sound whether they

(b) steel girders should be substituted for wooden beams in the terrace roof

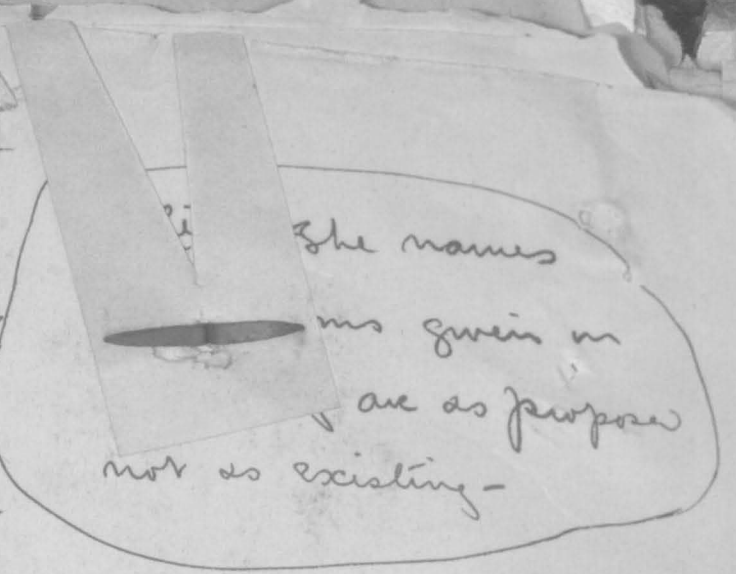
(c) The terrace roof - as drawn - is $1\frac{1}{2}$ ' thick at the centre but no details of how the terrace is going to be done are given

(d) Whether it is intended at present or not it is

[P.W.D. 250-30-9-97.] certain that eventually

the space now occupied by the single lock strong room, the passage, and the Treasurer's room by opening archways in the cross walls and blocking up the bays on either side of the present passage, and substituting an iron barred window instead of the existing iron-barred door at A. The first bay to the west of the above extension will be converted into a single lock room, the next the police passage, the next two bays the Treasurer's room, and the last two bays the Treasury Deputy Collector's room, by blocking up the existing archways on the North and putting up necessary cross walls with doors communicating with one another, as shown on plan.

The portion of the Verandah walls on the North, as well as the wooden railing on the South of the single lock room & passage will be removed, and the sills of windows B, B. B. B. on tracing lowered to one foot above the floor level to admit of more light. The accounts department will be accommodated in the present kitchened rooms & Stationery room, which needs no alteration except white washing in which a lump



the wooden platforms will be used for storing stationery etc. This being so the joists & planking must be made much stronger.

(e) ^{why not have a large door at the bath?} No mention is made as to the condition of the door or doors of the building or whether they require strengthening or additional locking arrangements.

from 8/2/98

no allowance is made for the value of materials in the existing roof either of the swimming bath or strong room -

from 8/2/98

Return for further information
 W. H. S. 9/5/98

sum provision has been made in the estimate. The existing tiled roof, colored yellow on the tracing will be removed and replaced by a terraced roof, adapting the verandah, to be square. The verandah, to be square, will be in line with the Eastern portion now terraced.

The scuttles are correct & similar to those of the Eastern portion. The existing floor of the building is in good order.

Plunge bath - The old plunge bath attached to the main block of the Collector's kitchen will be converted into a store room for printed forms & Stationery as it is well fitted for the purpose.

The roof immediately over the bath is composed of coconut timbers of the Malabar tree pattern, very old & unsafe, it is therefore proposed to remove this roof & replace it by a terraced roof supported on teak beams spanning the pillars, & teak joists laid longitudinally somewhat higher than the existing terraced roof all round, which seems safe.

The bath will be blanketed over with a 4 ft. gangway down the middle & will be used for keeping forms.

The planking will be supported on wooden posts & joints laid across as brick pillars will take up much space. The gangway will be railed off all round. The honey-comb tile work in bays marked W will be removed and iron barred windows $4\frac{1}{2}' \times 6'$ be placed to admit light and ventilation. In the end wall there is a large glazed & Venetian window in a bad state, this will be removed & replaced by iron bars & hand shutters to make it more secure.

The rates are fair - about 2 squares of flooring with asphalt $\frac{3}{4}"$ thick laid on concrete $\frac{1}{2}"$ thick has been allowed for each way of double lock strong room in Estimate. It has been ruled that asphalt as a floor is objectionable, it would therefore be preferable to use granite paving stones laid on $\frac{1}{2}"$ brick concrete & neatly jointed - the increase would be only W. 8 & can be met in Estimate. The Plan Estimate has been countersigned by the Collector.

This may be allowed as the existing floor is asphalt

10-7-98
5-3-98
The amount of Estimate has been reduced from W. 11,500 to W. 11,400 in consequence of a clerical error and tiled roofing 10-11-98.

From 8/2/98

Public Works (1897)) Department.

CURRENT No. 10930

From The Rev. Dept.

Order

No.

Dated 29th October 1897
Received 3 - 11 - 97
Enclosures 9 (1 plan)
Spare copies

SUBJECT.

Collector's office at
Trichinopoly.
Returning plans & Estimates
in connection with certain
works in the —

BACK PAPERS.

FURTHER PAPERS.

Receives Department

Collector's Office

Ref. man. 78 B & G. 1886.

Tanjore. 23rd August 96.

(3)

Of
From

G. Stokes Esquire

Collector of Tanjore.

$\mathcal{O}_1$

The Secretary to the Commissionery
Land Revenue
Madras.

Sir,

Advertising to C. O. chs 428 dated

4 not ready
to the 1 to 0

16th July 96, approving of my
proposal to remove to Trichinopoly

the Small coin depôt- now located
at Tanjore I have the honor to point

and that the accommodation here
is worse than Richins poly consisting

is worse than ~~one~~ mechanism
as it does of a dark ill ventilated
room described in this office reference

on current-cts b3 b2 of 95 dated the

30th January last.

du

PERS.

In inviting your attention
great inconvenience
in this heavy
of a...

Ref (C) on cur: ^{Rev} 642 (*) of 96 Dated 10-9-96.

24/15/9196

From.

J. Andrew Esquire

Collector of Trichinopoly.

To,

The Secretary to the Commissioners of
Land Revenue. Madras.

Sir,

With reference to B. P. dated 2nd August 1896
Ref. on General no 4708 ⁱⁿ of 1896, I have
the honor to submit proposals for instituting
a small Coin Dept at this District Treasury.
2. The accompanying plan shows the
present and proposed accommodation
of the Treasury Branch of my office. The
strong rooms under double and single
locks are terraced, but the remainder
of the building is under a tiled roof.
The latter portion is very hot in the
hot weather, and badly lighted always.
I propose therefore to terrace the building
throughout, including the verandah all
round.

3. The strong room under double locks
should be extended up to the line A.A.
so as to comprise the space now
occupied by the single lock strong

room, the passage and the Treasurer's room.
This would add $39' + 20\frac{1}{4}'$ to the strong room
affording accommodation for about 10 boxes
capable of holding 300 bags each i.e. 3 lakhs
of whole rupees or nine thousand Rupees
worth of Copper Coin. Next to the double
lock strong room will come the single
lock room, then a passage for the Police
guard and next to it the Treasurer's
room, and the Treasury by Collector's
room. The limits of these rooms
are marked in blue pencil on the
plan. The account department
will be accommodated in the
space now occupied by printed
forms and stationery.

4. For the printed forms and
stationery, I propose to fit up
the old plunge bath room which
is attached to the main block of
my office. It is very well situated
for the purpose. It is not now used
except as a lumber room as the
roof immediately over the bath is
made of cocoanut timbers which
are very old and appear unsafe. It
is not desirable to allow it to go to

ruin, when it can be utilized as
proposed at no great cost. The tiled
roof has to be replaced by a terraced
one, and the walls have to be provided
with windows in lieu of the tiled
honeycomb work. In 1891, it was proposed
to repair the room for the use of the
Forest Settlement Officer and an
estimate was prepared for Rs. 3330.
But the work was carried out as
other accommodation was found
for that officer. The plan and
estimate then prepared are submitted
for perusal. The estimate may possibly
be reduced slightly by substituting
wooden beams for steel girders. An
additional expenditure is required
for fitting up racks all round.
5. These proposals consist only
of the adaptation of existing
buildings, and would cost less
than the erection of new structures.
If the Board should approve of
them, I request that the P.W.D.

may be requested to prepare the
necessary estimates.

I have the honor to be,
Sir,

Your most Obedient Servant,

Mundank

For Collector

B.L.



Proceedings of the Board of Revenue
(Land Revenue).

NO. 4542 Misc. dated 21st September 1896.

(1) Read letter from G. Stokes Esq., Collector of ~~Nil~~
giris Tanjore to the Secretary to the Commissioners of Land Reve-
nue, Madras, Ref on Cur: No. 78-acc B&G, dated 23rd August 1896; and
the following reference thereon dated 28th August 1896:-

(2) Forwarded to the Collector of Trichinopoly for very
early report as to what alterations should be made in the present
treasury accommodation, with a view to give early effect to the or-
ders of Government regarding the transfer of the small coin depot
from Tanjore.

Read also letter from J. Andrew Esq., Collector of
Trichinopoly to the Secretary to the Commissioners of Land Revenue
Madras, Ref (C) on Cur: No. 642-Ver, dated 10th September 1896.

-----:O:-----

Resolution.

Submitted to Government with the recommendation

that

that orders may be issued in the Public Works Department for the preparation of the necessary estimates for extending the strong room of the Trichinopoly District Treasury so as to accommodate a small coin Depot and for converting the old plunge bath room in the Collector's cutcherry into a store-room for printed forms and stationery.

(True Copy & Extract)

Ree

Acting Secretary.

To.

The Secretary to Government, Revenue Department with 2 letters
& enclos. in original to be returned.

The Collectors of Trichinopoly and Tanjore.

Q.B.

Dec 23
62/88
11530/97

To be sent to the Madras office

For C. No. 8159 of 97

MEMORANDUM.

Requested for reference the undermentioned papers:—

The letter from the Collector of Trichinopoly and the other enclosures forwarded to the D. P. W. with G. O. (Revenue) No. 4118 mis 8.14.10.96 disposed of in G. O. (W) No. 3171 & 6.11.96.

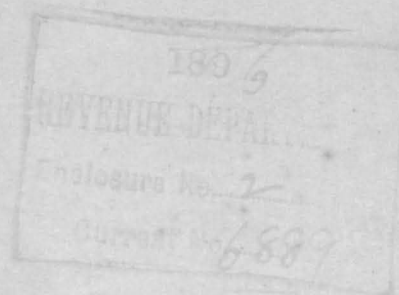
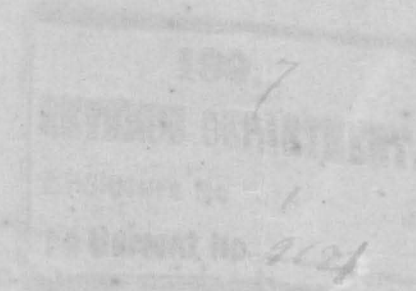
GOVERNMENT OFFICE,
Revenue Department,

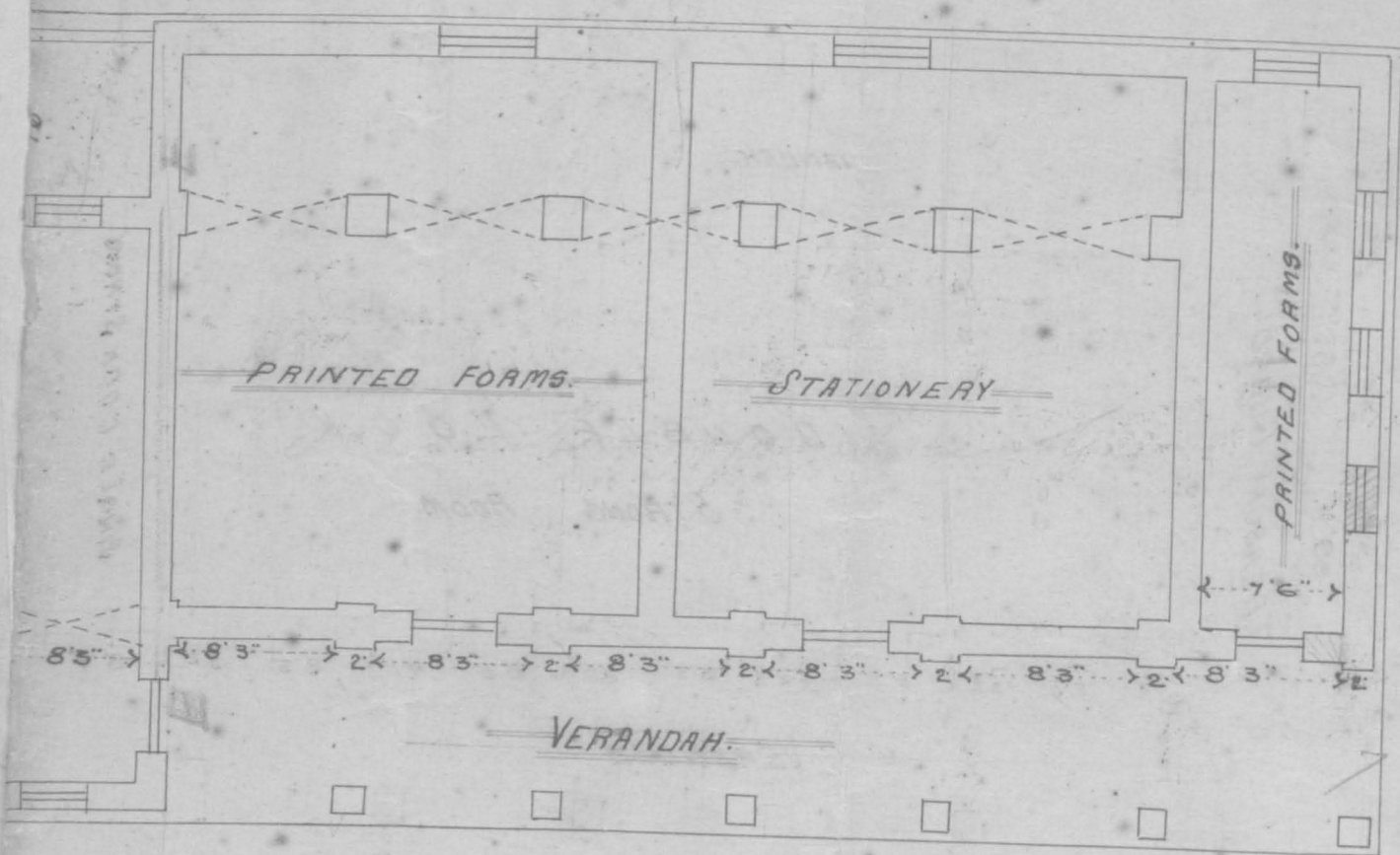
October 1897.

To

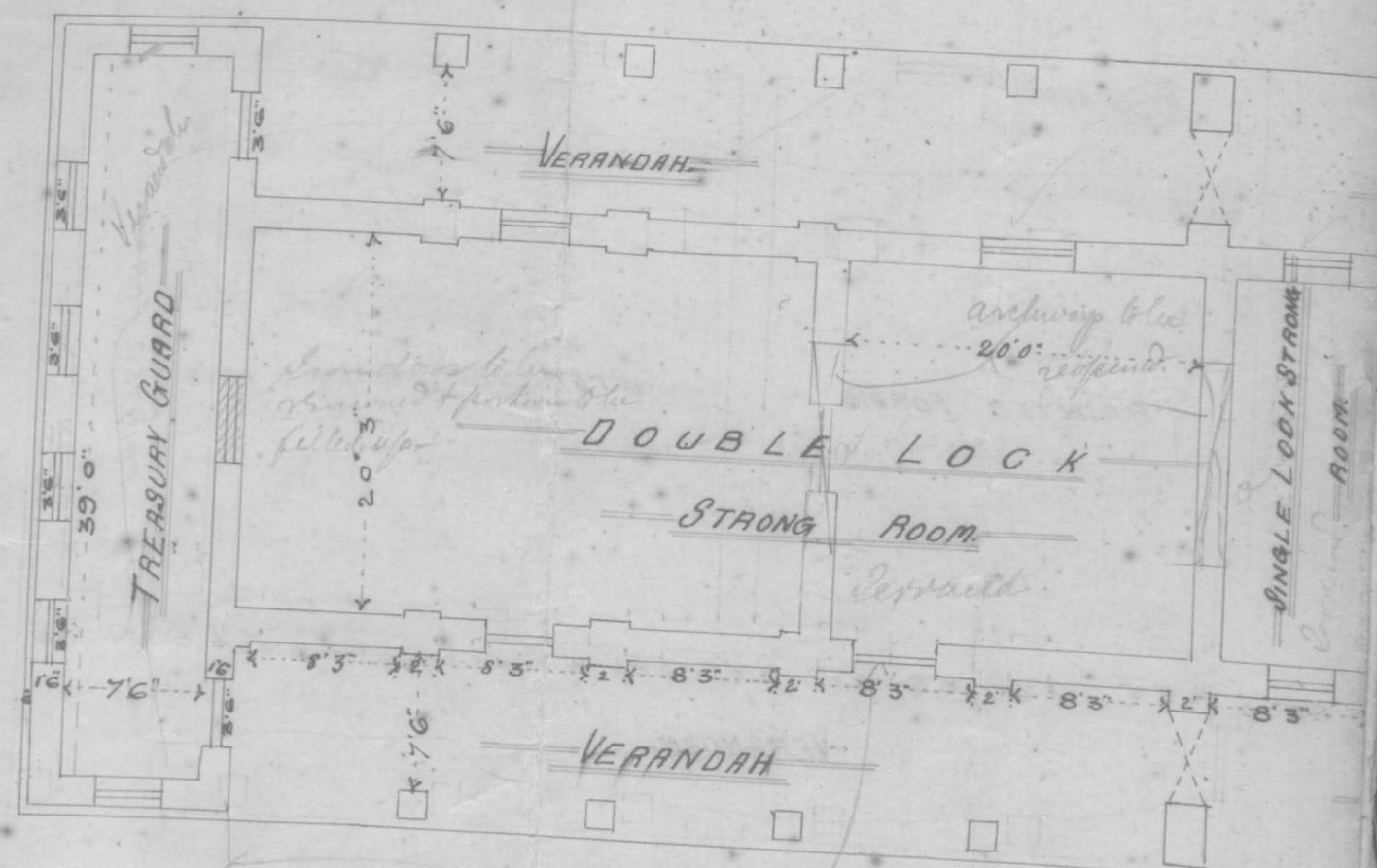
The Second Assistant D. P. W.
(works).

(Partasarathy
for Registrar.
1st Assistant.

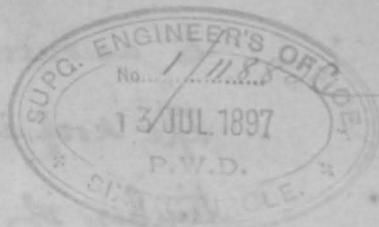




*Standard
Teller*



5/9/96



2/5/97
5/2/97
10/9/97

23 FEB 92



Report to accompany estimate, for repairing the Plunge Bath in the Collector's Cutcherry at Trichinopoly -

Estimate, Rupees - 3300 - - - 3300 - -

Valuation of the
Bath in the

The estimate provides for repairing the old Plunge Bath to accommodate the District Forest Officer's office. The roof immediately over the bath is made of Coconut timbers of the Malabar truss pattern - These timbers are very old and appear unsafe - It is proposed to remove this roof and put on a terrace one, - the terrace to be supported by steel girders spanning the pillars and take joints laid longitudinally, and some what higher than the existing terrace roof all round - This portion appears sound and safe -

The bath itself is to be planked over with 4 feet gang way down the middle, and is to be used for keeping old records in - The planking would be supported on wooden posts, as brick pillars would take up much space - The gang way all round will be raised off - The planking will of course be supported by joists placed across -

In the side walls, the honey Comb work will be removed and replaced by glass windows with iron bars, five on each side - Each window will be 4 1/2 x 5 1/2 within the frames and quite ample for lights and ^{ventilation} aeration - The sizes given by the Forest Officer are much too large - In the end wall there is a large aeration window, requiring only slight repairs. To this will be added iron bars in a teak frame, on the inside, to render the room safe - A small door in the south west corner of the building in good order, will

ESTIMATE FORM.—Detail Measurements.

1	2	MEASUREMENTS IN FEET.			6	7
		Length.	Breadth.	Depth.		

Plunge Baths in the Collector's Cutcherry, to be repaired for the
accommodation of the Clerks of the District Forest Office

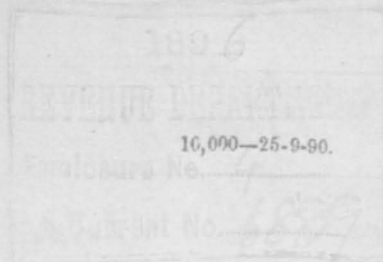
Removing old tiled roofs
Removing old tiled roof
with timbers, front & rear 2 37 14 1/4 " 1054 1/2 ✓
Ends of — do — do — 2 25 14 1/4 " 356 1/4 ✓
Total removing old tiled roof work isoph 1410 3/4

Iron Beams.

Rolled iron Beams 12" depth
To span pillars 6 24 1/2 Each. → small
Total number of iron girders— 6

Brick work in chunam

Blocking course between
pillars longitudinally 10 9 1/2 3/4 1 71 ✓
— do above girder level 2 47 3/4 3/4 53 ✓
— do at Ends 2 24 1/2 3/4 3/4 29 ✓
Total brick work in chunam isoph 153



P.T.O.

will be, allowed to remain at request of the Forest Officer—

C. D. S.

Supervisor Dm

22-2-92

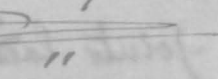


R. R. Thompson

Colonel R.E

Executive Engineer

Trichinopoly Dm



2 MAF 92



A. Smith

12-3-92

3/11/92

10530

48620
16-10-97

ESTIMATE FORM.—Detail Measurements.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<u>Teak wood work—Wharf & put up</u>						
Joists longitudinally	17	49	3"	6"	104 1/8	✓
Battens for holding Ends of joists	136	1 1/2	1 1/2"	6"	12 3/4	✓
Posts in plunge bath	8	10	6"	6"	20	✓
Longitudinal beams under railings	2	45	6"	6"	22 1/2	✓
Joists for swimming bath 3 feet apart	32	8 1/2	2 1/2"	4"	19	✓
End joist at opening	1	4 1/2	4"	4"	1/2	✓
Corbels	3	1 1/2	3"	3"	1/4	✓
Total cubic feet of Wood work					179 7/8	

Iron work

Iron bolts 8"x1/2" D₇ with heads
and nuts for bolting ends of
joists

27 1/2

Total number of iron bolts

27 1/2

Terrace work

Terracing with bricks on
edge, Concrete & flat tiles & plastering

1 50 26 " 1300

Total sq ft of Terracing work 1300

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
<u>Wood work or Planking</u>						
Planking 1 1/2" thick over Swimming bath	2	45	8	"	720	✓
Total planking in sq ft					720	
<u>Wooden Railings</u>						
Wooden Railings—Squared posts and stunts, with top- and bottom longitudinal pieces, Screws &c Complete all round opening	4	98				✓
Total lineal feet of Railings					98	
<u>Windows</u>						
Windows teak wood glazed iron barred with bolts— hinges &c Complete	10	4 1/2	"	5 1/2	247 1/2	✓
Total sq ft of windows					247 1/2	
<u>Venetian windows</u>						
Teak wood frame with iron bars to large venetian windows at end of buildings lower portion	1	11	6	c.o.	66	✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Remouing old honey- Comb work for windows and making up sides with brick work	10					
Total number of windows	10					
Sundry repairs to the whole building including whitewashing	25					
Cost of Railway freight of Girders from Madras and Conveyance to site	100					
Lifting girders in position 6. Each 8 = Rs	48					
Blue painting of girders 6. Each 2 1/2 = Rs	15					
Stone bed plates (1' x 1' x 1/2") 8 each at Rs. 6	48					
<p>Signed / E. Dady Supervisor DPW 22/2/1992</p> <p>For the Engineer Colonel R. E Executive Engineer Machilipatnam Division</p> <p>10,000-25-9-90.</p>						



ESTIMATE FORM.—Detail Measurements

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
1411 cph	Removing old tiled roof—	0-12-0	100 cph	11	
6 N ^o	Rollend ^{Steel} iron Girder beams 12 inches depth—	135-0-0	Each	810	
153 cph	Brick work in chunam—	15-10-0	100 cph	24	
179 7/8 cph	Teak wood work wrought and put up—	3-8-0	cph	627	
272 N ^o	Iron bolts 8" long 1/2" D _n with heads and nuts &c Complete—	0-36	Each	60	
1300 cph	Terracing work—	20-0-0	100 cph	260	
720 cph	Planking including fixing & varnishing &c Complete—	0-8-0	cph	360	
98 2/3 cph	Wooden railings with fixtures and varnishing Complete—	1-0-0	do	98	
247 1/2 cph	Windows with glass shutters and iron bars including hinges bolts &c Complete—	1-12-0	do	433	
113 1/2 cph	Teak frames with iron bars bolts &c Complete—	1-4-0	do	142	
1753	Wood oiling 2 coats—	1-8-0	100 cph	27	
1769 cph	Making up steps in plunge bath—	3		5	
				2921	
				2857	
				Grand Total of Estimate	

STATION _____

Dated _____ 189 . }

Quoted on 48620
16-10-97

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952-955, 962-964.

CH 720 SR
2-3-92
P.W.D. FORM No. M 287.
CIRCLE—Sixth
DIVISION—Trichinopoly
10 NOV. 1896
P.W.D.
18 OCT. 1897
TAKER FOR P.W.D. IN CASE OF ESTATE WORKS—
SIXTH CIRCLE Trichinopoly

ESTIMATE FORM.—Abstract.

Financial Head—Provincial Service
Services—Civil Buildings
Budget Head—
Departmental Head—Original works—Repairs
Main Head—
Sub-Head—Forest Department
Project of which the work forms part—
Section—
Name of Work—Repairing the old plunge bath in the Collector's Cutcherry for accommodating the District Forest office establishment.
Amount of Estimate, Rs.—3260
To be carried out by—The District Engineer

REFERENCES.

Collector's letter no 112/12 of 10/11/91

Enclosed no 48600 16-10-97

No. 1914. T.C.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Trichinopoly, 19th October 1897.

From

Lt Col. O. V. Boddie, R.E.
Superintending Engineer,
6th Circle.

To

The Chief Engineer,

P.W.D.

SIR,

4. ENCLOSURES.

1. Plan
1. Det. Estimate
1. abo. Estimate
1. Report.

With reference to telegram from the Under Secretary to Govt, P.W.D., dated 11 instant, I have the honor to return herewith the plan of treasury block in Collector's office at Trichinopoly and the estimate &c. for improving the old plunge bath in the Collector's Cutcherry for accommodating the District Forest office establishment, forwarded with G.O. no. 3171 W & F of 6 November 1896.

2. The other enclosure received with the above G.O. viz plan of improving the plunge bath, has been forwarded along with the estimate of Rs. 11,500 for extending the Strong room of the District Treasury, and converting the old plunge bath into a Store room for printed forms and

at 9.0 2182 18.11.96.

+ Cw 8159/97

$$\begin{array}{r} \checkmark \quad 3770c \\ \hline 6-9-97 \end{array}$$

J. F. Boddie Lt. Col. R.E.
Superintendent, 17 Circle

[Handwritten signature]
19/10/94

$$\frac{542.9}{10930} (97)$$

CURRENT No.

N^o 4221C of 21-10-97

Onder Sunt.

Forwarded
to the Revenue Dept.
in continuation of
the enclosure sent on
the 9. October 1887.

From

From
The Superintending Engineer
U. Circle

No. 1914. T. C.

Instruction

Capt. Sean Tort

Dated 19th October 1897

Received 20 - 60 - 97

Enclosures 4. (Plain)

Spare copies

SUBJECT.

Collector's Office at
Trichinopoly — Letters
with remarks certain
plans & estimates in
connection with certain
works in the —.

~~Encl. B~~

Returned with the enclosures
forwarded on 9.10.97.

W. L. Morgan & Co.
29. 2. 51

Ag. Under Secretary to Govt.
R.D.

Fort S.^t George.
29th Dec: 1897

28.10.97

ENGINEER'S

Date _____

CURRENT No. 10909

The Revenue department.

Order

Miss No. 5528

Dated 28th October 1897.

Received

Received }
Registered } 3-11-97

Enclosures 9^x (2 plans)

Spare copies

SUBJECT.

Approving and transferring
to the P. W. Dept. for scrutiny and
sanction estimate for extra
the Huzur Treasury, Trichino-
poly.

enclo no 7 to 9 to S. E. 6" No ^{1370.7C}
17-8-98

F. 17 2000-8-4-97.

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ Proceedings of the Board of Revenue (Land Revenue),

No. 3452 Mls, dated the 14th September 1897.



~
ORDER THEREON, No. 5528 Mls, dated the 28th October 1897.

The plans are approved and the estimates will be transferred to the Public Works Department for scrutiny and sanction.

(True Extract)

✓
W. H. M. G. S. B. A. L.
1. XI. 97
AG. Under Secretary to Government,

To

The Board of Revenue.
(Land Revenue).

The Public Works Deptt with enclosures.

3/11.

509.9
10529/97
657/98

Govt. of {189 } Madras.
REVENUE.

To

THE BOARD OF REVENUE.

Dated

Encl.

Recd.

Mis. G.O.,
R.

189 , No.

SUBJECT.

04210
6577/88