

8573. Cu 3691

Dr

For order -
If the estimate
is now approved, subject
to T's remarks, the
sanction of the G.O.
will be required for
the construction of
the residence, as
the normal rent
calculated on the
estimate largely
exceeds 9 per cent
of the astronomer's
pay (Rs 500) -

Cu
7.5.96.

May be approved,
Subject to T's remarks

copy
12.5.96

No. 17

THE OBSERVATORY,

NUNGUMBAKUM,

Madras, 21st January 1896.

FROM

THE GOVERNMENT ASTRONOMER,

Madras.

TO

The Chief Engineer,

Public Works Department,
Madras.

I have the honor to forward herewith the
plans and estimates for the Astronomer's Residence
at Koduikanal. Mr. Irwin informs me that they
have already been approved of by Government when
in pencil.

2. In view of the great delay that has, for various
reasons, occurred already I have the honor
to represent to you the great importance of
having the work pushed on as rapidly as
possible.

I have the honor to be,
Sir,

Your most obedient servant,

Christie Smith

Govt. Astronomer

P. W. CURREN No. 653

2307

3691/96

Encls 6 (3 plans)

Dec: 22-1-96

The Chief Engineer
to the Works Department
Bath

I have the honor to forward herewith the
plans and estimates for the extension of the
at the side of the main entrance to the
from which the approach of the main road
is formed.
I am aware of the great delay that has been
caused in the progress of the work, and I have the honor
to inform you that the work is now being
pushed forward as rapidly as possible.
I am, Sir, very respectfully,
Yours faithfully,
P. W. Curren

C. B. B.

2396

Cy

23-1-96

The Chief Engineer
to the Works Department
Bath

I have the honor to acknowledge the receipt of your letter of the 19th inst. in relation to the plans and estimates for the extension of the at the side of the main entrance to the from which the approach of the main road is formed. I am aware of the great delay that has been caused in the progress of the work, and I have the honor to inform you that the work is now being pushed forward as rapidly as possible.

1896.

Public Works Department.

Pub. G.O. No. 223 of 13-2-96
1020 of 16-12-95
929 of 12-11-95
723 of 24-30-8-95
309 of 15-4-95
90 of 5-2-95
39 of 18-1-95
969 of 20-12-94
3-24 of 18-7-94
1 of 4-1-94
940-41 of 21-11-93
3 of 11-1-93
Encls 8 (3 Plans)
Rees: 1.4.96

Encl. No 710 of 31-3-96

The plan & estimate are approved and are returned to the Public Works Department. Boarded floors would be a great improvement and should be provided.

J. B. Roberts
for Chief Secretary

to B.
to P.W. Dept.
30.3.96.

This paper was seen by the Hon Mr. Bliss & the Hon Mr. Grove No. 1864C of 6 April 1896 forwarded to the Consulting Architect in view to boarded floors for the main rooms being provided in the plan and estimate.

J. B. Roberts
for Secy. to Govt.

No. 1470C

Dated 16-3-1896

Despatched 7

Received 18



Encl. - 4 enclosures and 3 plans.

SUBJECT.

Forwarding for approval plan and estimate for constructing Assistant's Residence at Kodairkandi.

C. A. 2,090-13-7-95.

Office of the Consulting Architect to Govt.,

Chepauk, Madras,

17 April 1896.

No. 184

From

Henry Swin, Esq., C.I.C.,

The Consulting Architect

to the Government of Madras,

To

The Chief Eng

Public Works Department

Sir,

Enclosures.

1500-8/4

I have the honor to return the papers received with your endorsement No. 1864C dated the 6th Instant with revised estimate & plan showing the boarded floor. The estimate is now raised from Rs 284.20 to Rs 312.94.

I have the honor to be,

Sir,

Your most obedient servant,

W. S. Swin

15/4/96 Lt. Colonel R. L. In charge Consulting Architect to Govt. Madras

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D.

No. 184

Dated

Despatched

Received

17
April 1896.

No. OF ENCLOSURES.

Subject.

Submitting revised estimate
plans for the Astronomer's
residence & out offices at
Kodai Kanal.

No. 1470 C of 16-3-96.

1864 C of 6-4-96

3497 C of 15-11-95

3197 C of 30-10-95

1148 D of 7-10-95

2265 W of 12-9-95

831 D of 24-8-95

696 D of 7-8-95

671 D of 3-8-95

648 D of 30-7-95

2339 C of 22-7-95

1407 W of 12-6-95

929-30 C of 8-3-95

3254 W of 18-12-94

142 W of 19-1-95

141 W of 19-1-95

3128-9 W of 8-12-94

10850 C of 26-2-94
281 W of 31-1-94
185 W of 20-1-94
2946-7 W of 20-11-93
295-6 W of 6-2-93
1703 W of 6-7-92

O. L. S. 73

Soon

17-4-96

No. 1588 W, of 23rd May 1896.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the Chief Astronomer, Madras (J.E. No. 17 of 21 Jan'y 1896)
Endorsement in the Public Dept. (" .. 710 of 31 March ..)
Letter from the Consulting Architect .. (" .. 184 of 17 April ..)
Note by the Chief Engineer P. W. D. (..)

A. S. H.
20.5.96

Ordered that the
sanction of the Government
of India be applied for to the
construction of a residence
for the Government Astronomer
at Kodai Kanal at an
estimated cost of Rs. 31,360;
the normal rent, calculated
under code rules, being consider-
ably in excess of 8 per cent
of the Astronomer's salary, vizt

Rs 500 per mensem.

2. The deviation proposed by the Chief Engineer will be carried out in construction.

S. E. V. L. M. L. in the Government.
C. A. to C. M.
E. S. W. A. C. S.
Public Dept.
Revenue

(H. E. N. 1589 W. A. 23rd May 1896)

Deskd
24/6/96

To,
The Secy. to the Govt of India,
Public Works Dept.

Sir,
With reference to rule (3), paragraph 17, Chapter X, Vol. I, of the Public Works Code, I am directed to forward a copy of Proceedings of this Govt. N. 1588 W. dated 23rd May 1896, and to request the sanction of the Govt of India to the estimate of Rs 3,360 for the construction of a residence, with out-houses, for the Government Astronomer at Kodaikanal in the Madurai District.

2. Estimates aggregating Rs 55,500, as shown below, were first submitted by the

note for despatch -
The plans & estimates
need not go to the
Govt. of India, but they
must be submitted to the
in this office pending
receipt of the
reply - C.
22/5

Consulting Architect:-

Observatory Rs 23,101
Astronomer's residence
with out-houses 16,720
1st Assistant's quarters 5,486
2nd " " 3,102
Clerks' quarters 2,230
Huts for 3 persons 2,017
Huts for 2 Astronomer's servants 1,231
Clearing site and metalling
road 1,613

Total Rs 55,500

3. These were, in communication with the Government Astronomer, revised as shown below:-

Observatory Rs 23,100
Astronomer's residence 19,920
1st Assistant's quarters 5,487
2nd " " 3,102
Clerks' quarters 2,230
Huts for 3 persons 2,018
Huts for Astronomer's servants 1,230
Clearing site & metalling road 1,613

Total Rs 58,700

but the accommodation provided for the Astronomer's residence was considered inadequate, and the plan and estimate were subjected to

further revision; allowance being made for four good sized bed rooms, and certain other minor alterations.

4. The cost of the residence will now amount to Rs. 31,360, the normal monthly rent on which will be Rs. 210 as shown below:—

(a) Cost of the building as now estimated	Rs. 31,360
(b) 10 p.c. for Estimate & Tools & Plant on (a)	3,136
(c) Capital cost (a) + (b)	34,496
(d) Interest @ 4 p.c. on (c)	1,380
(e) 3 p.c. for repairs on (c)	1,035
(f) 10 p.c. for Estimate & Tools & Plant on (c)	103
(g) Annual rent	2,578
(h) Rent per mensem	Rs. 210

5. The pay of the Government Astronomer being Rs. 800 per mensem, the capital cost of his residence should, under Code rules, have been restricted to a sum which will produce a rental not exceeding Rs. 64 per mensem, but this is impracticable, in a place like Kodaikanal, where skilled labour and all materials except stone have to be imported from the plains at enhanced rates. The accommodation provided does not seem excessive for a married officer in the position of Government Astronomer, and I am accordingly to recommend the estimate for the sanction of the Government of India.

6. There is a provision of Rs. 15,000 in the current year's Imperial Civil Works Budget, and as it is necessary that the residence should be completed before work on the Observatory is commenced, I am to request the very early sanction of the Government of India to the proposed expenditure.

Shanley,

16/5/96

sent at 16/5/96

cross 15.5.96

R.S.

✓
estimate for a residence
for the Govt. Astronomer
at Kodaikanal.

Print
from

T. A.
B. M.

31294
2/55

0573

No. 1588-89 W, dt 23rd May 1896

Public Works Department.

Current No. 3691
Letter No. 184
Dated 17th April 1896
From the Consulting Architect to Govt.

NOTE BY TECHNICAL SECTION.

Name of work. Astronomer's residence at
Kodaikanal, Madras District.

Amount of estimate Rs 31,294.

With reference to this office order
- document No. 1864 C dated 6th April
1896, the Consulting Architect to
Govt. submits a revised estimate
amounting to Rs 31,294, for con-
- structing a residence with out-
- buildings for the Govt. Astronomer
at Kodaikanal.

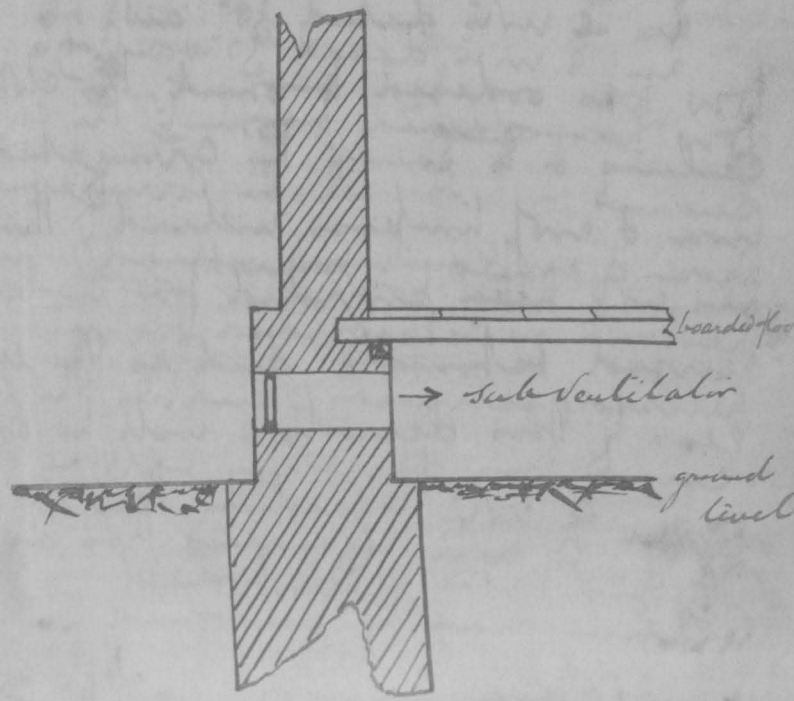
This revised estimate provides
for boarded floor to the main rooms
in lieu of concrete floor as origin-
ally provided for, & the increase
by this alteration is Rs 2,874.

The floor is to be made of 1 1/2"
teak planks tongued & grooved
and nailed to bungee wood
joists of a section 3" x 4" placed
2 feet apart from centre to cen-
tre and resting on dwarf walls
of rubble masonry 5 feet apart,
vide detailed drawings submitted.

1885
Note by the Chief Engineer P.W.D.

The Chief Engineer remarks that no wall plates have been provided under the flooring joists which are merely laid on the naked walls. This is unsafe, particularly for a boarded floor. Wall plates 4"x2" should be laid throughout under the joists.

2. No provision has been made for sub-ventilation to the floors, the timbers of which would thus be liable to rot. Sub-ventilation are necessary. These may be made of perforated zinc of a size 15"x8" fitted to wooden frames, or made of special perforated tiles, and fixed between 8 to 10 feet apart in the outer basement wall, flush with the outer face, as shown in the sketch below:



No wall plates have been provided under the flooring joists, the joists are merely laid on the naked walls & this, as submitted, does not appear to be safe particularly for a boarded floor. wall plates 4"x2" may be laid throughout under the joists.

It will be observed that no provision has been made for sub-ventilation to the floors & it is thought that the omission of ventilations will rot the floor timbers very soon, as the air below the planking will be confined.

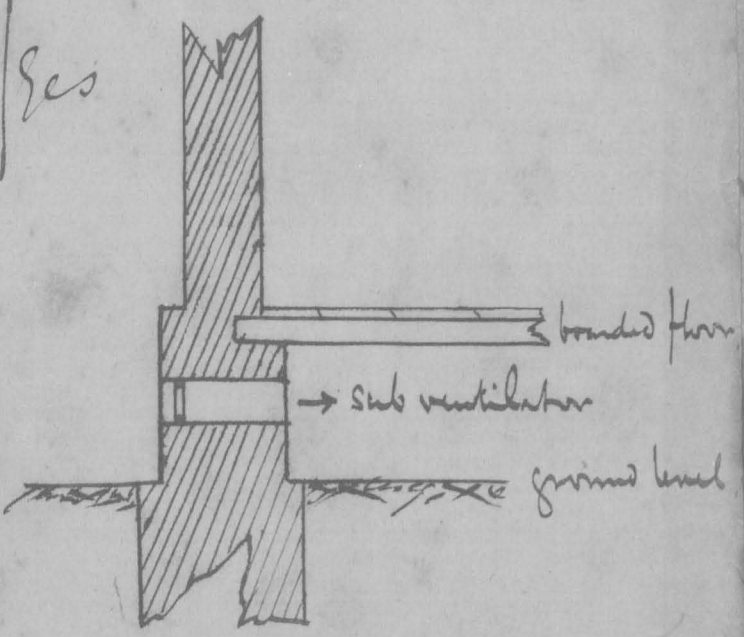
Sub ventilations as submitted appear very necessary & may be made of perforated zinc of a size 15"x8" fitted to wooden frames, or made of special perforated tiles and fixed between 8 to 10 feet apart in the outer basement wall flush with the outer face, vide sketch in margin.

In T's note dated 30th Jan^y 96 DW has ordered to omit the cloth ceiling & to paint the corrugated iron & roof timbers instead, this has not been provided for in the revised estimate and as the necessity by this deviation will be only Rs 65. a note regarding this deviation may be embodied in sanctioning the estimate.

Enclosure
CLOSING
12.5.96

Of course

Yes



Yes
CLOSING
12.5.96

^{proposed}
3. The roof is to be corrugated
iron and pan tiles, supported
on trusses, and ciled with
dungaree cloth. The cloth should
be omitted, and the corrugated
iron and roof timbers painted
instead. These deviations
will increase the estimate
by Rs. 65, which may be
sanctioned for Rs. 31,360 in
round numbers.

[Signature]
16/5/96

[Signature]

CAM
15.5.96.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.
PUBLIC WORKS.

Dated May, 23rd.

Recd.

Encl.

G.O. No. 1588 W., 23rd May 1896.

MAY.

Residence for the Government
Astronomer at Kodaikanal,
Madura District

Ordered that the sanction of the Govern-
ment of India be applied for to the construc-
tion of a — at an estimated cost of Rs. 31,360.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.
PUBLIC WORKS.

Dated May, 23rd.

Recd.

Encl.

No. 1589 W., 23rd May 1896.

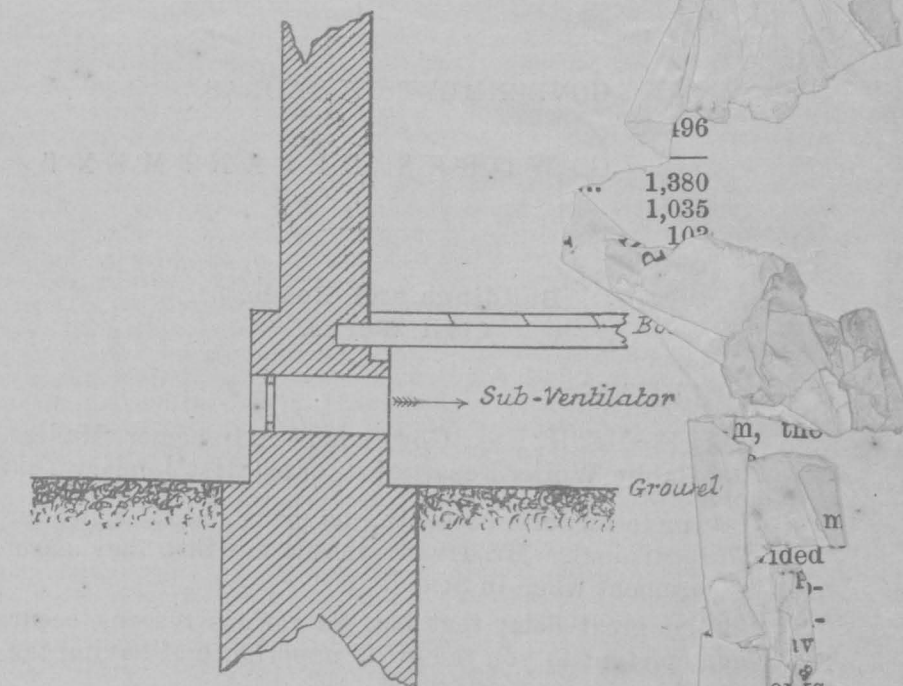
MAY.

Residence for the Government
Astronomer at Kodaikanal,
Madura District

Requesting sanction to the estimate of
Rs. 31,360 for the construction of a —.

2

2. No provision has been made for sub-ventilation t
which would thus be liable to rot. Sub-ventilators are net
made of perforated zinc of a size 15" x 8", fitted to wooden
special perforated tiles, and fixed between 8 to 10 feet apart in
wall, flush with the outer face, as shown in the sketch below :—



3. The roof is proposed to be corrugated iron and pan t
and ceiled with dungary cloth. The cloth should be omitt
and roof timbers painted instead. These deviations will
Rs. 65, which may be sanctioned for Rs. 31,360 in round n.

16th May 1896.

(Signed) D. McNEIL CAMPBELL, Chief

ORDER—No. 1588 W., dated 23rd May 1896.

Ordered that the sanction of the Government of India be applied
construction of a residence for the Government Astronomer at Kodaikanal,
estimated cost of Rs. 31,360; the normal rent, calculated under Code rule
considerably in excess of 8 per cent. of the Astronomer's salary, viz., Rs. 100
mensem.

2. The deviation proposed by the Chief Engineer will be carried out in
struction.

[Here enter No. 1589 W., dated 23rd May 1896.]

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel,
Joint Secy.

To the Superintending Engineer, VI Circle.
" Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Public Department.
" Revenue "

Exd. T. K. Narayana Aiyangar.
Spare Copies

GOVERNMENT OF MADRAS.

CIVIL WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

The following papers:—

CHIEF SMITH, Esq., Government Astronomer, Madras, to the Chief Engineer, Public Works Department, dated 21st January 1896, No. 17.

I have the honour to forward, herewith, the plans and estimates for the Astronomer's residence at Kodaikānal. Mr. Irwin informs me that they have already been approved by the Government when in pencil.

2. In the great delay that has, for various reasons, occurred already I represent to you the great importance of having the work pushed forward as far as possible.

No. 710, Public.

The estimate are approved and are returned to the Public Works Department. The boarded floors would be a great improvement and should be provided.

(Signed) G. S. FORBES,
for Chief Secretary.

No. 1864 C.

Forwarded to the Consulting Architect in view to boarded floors for the main building provided in the plan and estimate.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Joint Secy. to Govt., P.W.D.

April 1896.

From Lieutenant-Colonel C. C. RAWSON, R.E., In charge, Consulting Architect Division, to the Chief Engineer, Public Works Department, dated Chepāk, 17th April 1896, No. 184.

I have the honour to return the papers received with your endorsement No. 184, dated 17th instant, with revised estimate and plan showing the boarded floors. The estimate is now raised from Rs. 28,420 to Rs. 31,294.

Note by the Chief Engineer, Public Works Department.

The Chief Engineer remarks that no wall plates have been provided under the flooring joists which are merely laid on the naked walls. This is unsafe, particularly for a boarded floor. Wall plates 4" x 2" should be laid throughout under the joists.

4. The cost of the residence will now amount to Rs. 31,360, the normal monthly rent on which will be Rs. 210 as shown below:—

	RS.
(a) Cost of the building as now estimated	31,360
(b) Ten per cent. for establishment and tools and plant on (a) ...	3,136
(c) Capital cost (a) + (b)	34,496
(d) Interest at 4 per cent. on (c)	1,380
(e) Three per cent. for repairs on (c)	1,035
(f) Ten per cent. for establishment and tools and plant on (e) ...	103
(g) Annual rent	2,518
(h) Rent per mensem	210

5. The pay of the Government Astronomer being Rs. 800 per mensem, the capital cost of his residence should, under Code rules, have been restricted to a sum which will produce a rental not exceeding Rs. 64 per mensem, but this is impracticable in a place like Kodaikānal, where skilled labour and all materials except stone have to be imported from the plains at enhanced rates. The accommodation provided does not seem excessive for a married officer in the position of Government Astronomer, and I am accordingly to recommend the estimate for the sanction of the Government of India.

6. There is a provision of Rs. 15,000 in the current year's Imperial Civil Works budget, and as it is necessary that the residence should be completed before work on the Observatory is commenced, I am to request the very early sanction of the Government of India to the proposed expenditure.

I have the honour to be,
Sir,

Your most obedient servant,

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.

OOTACAMUND,
23rd May 1896.

No. 1589 W., 23RD MAY 1896.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

THE HON'BLE COLONEL D. McNEIL CAMPBELL, R.E.,
Joint Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

With reference to rule (3), paragraph 17, Chapter X, Volume I, of the Public Works Code, I am directed to forward a copy of Proceedings of this Government, No. 1588 W., dated 23rd May 1896, and to request the sanction of the Government of India to the estimate of Rs. 31,360 for the construction of a residence, with out-houses, for the Government Astronomer at Kodaikānal in the Madura district.

2. Estimates aggregating Rs. 55,500, as shown below, were first submitted by the Consulting Architect:—

	RS.
Observatory	23,101
Astronomer's residence with out-houses	16,720
First Assistant's quarters	5,486
Second " "	3,102
Clerks' quarters	2,230
Huts for three peons	2,017
" for two Astronomer's servants	1,231
Clearing site and metalling road	1,613
Total	55,500

3. These were, in communication with the Government Astronomer, revised as shown below:—

	RS.
Observatory	23,100
Astronomer's residence	19,920
First Assistant's quarters	5,487
Second " "	3,102
Clerks' quarters	2,230
Huts for three peons	2,018
" for Astronomer's servants	1,230
Clearing site and metalling road	1,613
Total	58,700

But the accommodation provided for the Astronomer's residence was considered inadequate, and the plan and estimate were subjected to further revision; allowance being made for four good-sized bed-rooms, and certain other minor alterations.

R. No. 139/38
No. 8.38

Government of Madras.

Public Works Department,
(General).

Memorandum No. 1272 B/38-1 dated 26th May 1938.

Records-Public Works Department-O.O.-Loss of.

Ref:- Letter from the Curator, Madras Record Office,
No. 457-D-III/38-4 dated 2nd May 1938.

The Curator, Madras Record Office is permitted to record
the 37 missing miscellaneous O.Os. as lost and to substitute
copies in the place of the 4 Press O.Os.

K. Panimalar Iyengar,
Secretary to Government.

To the Curator, Madras Record Office.

Forwarded
(By Order)

(Sd) x x x x x
Superintendent

3691
Govt. of Madras.

PUBLIC WORKS.

Print soon

G.O. No. 23/5/1896, No. 1588.

Residence for the Govt. Astronomer
at Kodai Kanai
Madurai.

It is requested that the sanction of the
Govt. be applied for the
construction of a - at an
estimated cost of Rs. 3,360.

Requesting sanction
the estimate of Rs. 3,360 for
construction of a -.

W.M.