Consulting room connected by a covered passage 12½ feet long & 8½ feet wide will be an operating room with a verandah 7 feet wide all round it.

A detached cook house consisting of 2 rooms each 8½×12' has been provided for the whole hospital and 2 galvanized iron latrines of 5 seats each, one for males & the other for females have also been provided for in the estimate.

The area of accommodation of the main building is as follows,

'Centre block'

Dispensary ———— 16'0"×18'0"
Consulting room ——— 16'0"×12'0"
2 verandah bath rooms each 12'6"×11'9"
verandahs all round 8'9" wide.

'Right block'

ward for males ——— 40'0"×24'0"
bath room ———— 13'6"×11'3"
verandah all round 8'6" wide.

'Left block'

ward for females ——— 40'0"×24'0"
Bath room ———— 13'6"×11'3"
verandah all round 8'6" wide.

'Rear block'

Operating room ——— 12'0"×12'0"
verandah all round 7'0" wide.

The Sanitary Board in finally approving of the design made certain suggestions with regard to the ventilation of the wards & to details of

Construction

~~construction~~, viz providing addi:
:tional windows to wards, pro:
:vision for examination room &
Medical officers retiring room,
alteration in the position of trusses
& in scantlings in roof timber,
omission of ridge piece in cover:
:ed passage & substitution of
couples &c.

The suggestions & alterations
have not been carried out
as the Dist. Surgeon is of opinion
that the original design as
submitted by the Dist. Board
Engineer is suitable in every
way for a place like Punganur.

No site plan accompanies
the estimate, as required by
para 39 Chap VII of the P. W. Code.

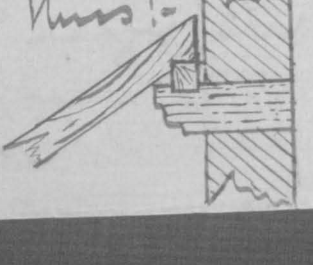
Site plan required
Should be provided

No provision has been made
for uprights to ridge ventilators
in wards & the necessity for
a ridge beam, as shown on
plan, ~~or~~ to the ventilator is not
apparent. required?

Not apparent

It is submitted that instead
of supporting the verandah rafters
partly on ~~bressummers~~ carried
~~by~~ on masonry ~~posts~~ pillars &
partly on ~~[illegible]~~ wall plates
let into the wall, a wall por:
:tion may be provided for the
whole length of the verandah
carried on stone corbels let
into the wall thus:-

Yes



If the foundations are ~~[illegible]~~
laid with concrete throughout
to ground level instead of
concrete & rubble masonry
as provided in the estimate,
a saving of Rs 160. will be
effected, vide calculation
sheet attached.

Foundations: the ~~of~~ concrete [illegible]

The plans & estimate may
be returned to the S. E. IV Circle
for resubmission after obtain:
:ing thereto the countersigna:
:ture of the President Dist.
Board, as required by rule
35 Chap V of the Local fund
rules, issued with G.O. No.
741 LF dated 18th Sept 1885.

Should be countersigned
before the work is put in hand

[illegible] 5/9/94

~~Mo~~.

29.VIII.94

The amount of the estimate
has been reduced from Rs 17,800
to Rs 17770 owing to errors in
calculation in the abstract
estimate.

~~Mo~~.

Walls are to be placed
Hospital at Punganur

Concrete foundations to ground level.

Wards.	walls all round ———	2 × 135·00 × 4·25 × 5·00 :	3,738
	verandah walls all round.	2 × 202·00 × 4·00 × 3·00 :	4,848
	bath room cross walls.	4 × 4·25 × 3·50 × 3·00 :	179
	Steps in front ———	2 × 21·00 × 5·00 × 0·50 :	105
	— D — in rear —	2 × 13·00 × 5·00 × 0·50 :	65
	— Do. — side ———	2 × 5·00 × 5·00 × 0·50 :	25
Dispensary.	walls all round ———	1 × 100·50 × 4·00 × 4·00 :	1608
	Cross wall ———	1 × 13·50 × 3·75 × 4·00 :	203
	verandah walls ———	1 × 170·50 × 4·00 × 3·00 :	2046
	bath room cross walls.	4 × 5·00 × 3·50 × 3·00 :	210
	Steps in front ———	1 × 19·00 × 5·00 × 0·50 :	48
	— Do. — sides ———	2 × 5·00 × 5·00 × 0·50 :	25
Operating room.	walls all round —	1 × 53·00 × 3·75 × 3·00 :	596
	verandah walls ———	1 × 104·00 × 3·75 × 3·00 :	1,170
	Steps at sides ———	2 × 9·00 × 5·00 × 0·50 :	45
Covered way,	sides ———	4 × 17·50 × 3·75 × 3·00 :	788
— Do.	— rear ———	2 × 10·50 × 3·75 × 3·00 :	236
		Total cft of Concrete ———	15,935

Foundations as estimated:

Concrete ———	Rs 406
Rough stone work ——— excavation ———	" 982 97
345 cft of burnt stone in chunam as foundations for steps, vide correction made in the item of basement, at Rs 10-8-- per 100 cft ———	36.
Total as estimated	Rs ~~1424~~ 1,521

Foundations as proposed of concrete throughout.

15935 cft of concrete at 8-4-- per 100 ———	Rs 1315
15935 cft of excavation at 3-0-- per 1000 ———	" 48
Total as proposed ———	Rs 1363
Total saving by using concrete	Rs 158

P. T. O.

Consulting

~~Instructions in~~ [illegible]

Brought forward — Saving Rs 158

Cook house:

Concrete in lieu of rough stone -
walls all round —— 1 × 66.00 × 4.0 × 1.5 = 396
- do - cross wall —— 1 × 10.50 × 3.5 × 1.5 = 55
Total cft of concrete —— 451.

= As proposed =
451 cft of Concrete at Rs 8-4-0 per 100 — = Rs 37
451 cft of Excavation at Rs 3-0-0 - do - 100 = 1
Total —— Rs 38.

As estimated.
Rough stone foundations —— Rs 30
Excavation of foundations —— 1
Total —— Rs 31.
Difference —— Rs 7.

Saving by the use of concrete throughout for main building 158.
Deduct excess — do — for cook house — 7
Difference Rs 151
add 7½% for contingencies & Petty estab. say Rs 9

Total saving by the use of concrete throughout for foundations of main building & Cook house Rs 160

Note - The width of concrete foundations has been made 2 feet wider than the masonry above, i.e. one foot on either side broader

29-VIII-94.

On orders
Co
29-8-94

Plastering or Pointing walls are to be plastered both interior & exterior with 2 coats of chunam except the plinth faces which will be pointed with cement.

Flooring is to be of concrete 6" thick & plastered over with ½" of Portland cement.

Roofing is to be of Mangalore tiles laid on teak reepers & jungle wood rafters to be spaced 2½ ft. apart & supported on teakwood trusses placed 10 feet apart.

Doors and Windows are to be of teakwood as per description noted in the Estimate & painted with 2 coats of chocolate paint.

Roof timbers are to be of teakwood & wood oiled 2 coats.

Scantlings are correct for a Mangalore tile roof.

Rates are fair.

The plinth area of the main building is 8523 square feet, and the cost per square foot will be Rs. 1-15-3.

The plans and estimates have been countersigned by the President Dist. Board but they are ~~and~~ approved in ~~the~~ Dist. Board's Proceedings ~~Department~~. dated 28th Feby. 1894.

REMARKS.

The plans & estimates under review provide for constructing an Hospital with outhouses at Punganur in the North Arcot Dist.

The Hospital is to consist of 4 distinct blocks connected by covered ways. The centre block will consist of a dispensary & consulting room with 2 bath rooms in the verandah. On either side of the centre block connected by a covered passage 19½ ft long & 8½ ft. wide will be a ward to contain 8 beds with a bath room in the verandah, the ward on the right for males & the other on the left for females. These wards will be provided with verandahs all round 8'6" wide.

In rear of the centre block or Consulting

G.O. 2333 W. d/ 4th Septr. 1894

Public Works Department.

Current No. 6178

Letter No. 346/W

Dated 15th August 1894

From the Supdg. Engineer IV Circle.

Note by Technical Section.

Name of Work Constructing an Hospital with outhouses at Pungamur, North Arcot Dist.

Amount of Estimate, Rs. 17,770

Particulars of Estimate.

Main Building	Hospital	Rs.	16660
Subsidiary Buildings	Cook house	,,	470
	2 latrines	,,	640
Contingencies	2½% (Rs.240)	,,	..
Petty Supervision	5% (588)	,,	..
Land compensation		,,	..
	Total Rupees ...		17,770

Particulars of Construction.

Surface soil not stated.

Sub soil Gravel.

Foundations are proposed to be laid 5 ft. deep for main walls of wards, 4 ft. for Dispensary walls & 3 feet for operating room walls the lower 1 foot to be laid with concrete throughout & the upper portion built of rough stone in chunam in each case.

Basement is to be raised 3 feet high throughout & built of burnt stone in chunam.

Walls are to be raised as per heights shewn on the plan & built of brick in chunam with flat arches over doors & windows & relieving arches over voids under tie beams.

14TH SEPTEMBER 1894, No. 2333 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 15th August 1894, No. 346 W.

I have the honour to submit, for sanction of Government, plans and estimates, amounting to Rs. 17,800, for constructing an hospital with out-houses at Punganúru, North Arcot district.

2. Copies of the resolutions passed by the Chittoor Taluk Board and the District Board are herewith enclosed.

Note by the Chief Engineer, Public Works Department.

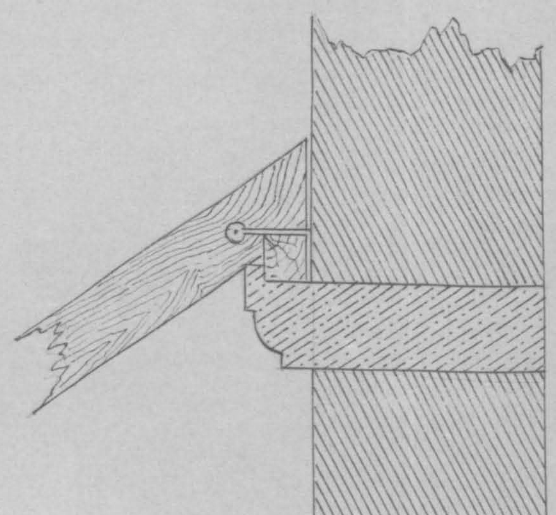
The Chief Engineer offers the following remarks on the plan and estimate submitted by the Superintending Engineer, IV Circle, for constructing a Local Fund hospital at Punganúru in the North Arcot district.

2. The amount of the estimate is given as Rs. 17,800, but has been altered to
17770 Rs. ~~17,700~~ owing to errors in calculation.

3. No site plan has been submitted, and there is nothing to show that the requirements of paragraph 39, chapter VII, Public Works Code, have been attended to. This is a matter which should receive attention before the building is commenced.

4. No provision has been made for uprights to the ridge ventilators in wards and the ridge beam over the ventilator as shown in the plan is not required.

5. Instead of supporting the verandah rafters partly on bressummers carried on masonry pillars and partly on wall plates let into the wall, a wall purlin should be provided for the whole length of the verandah, carried on stone corbels let into the wall as shown in the following diagram:—



6. The foundations should be of concrete throughout to ground level instead of concrete and rubble masonry as provided in the estimate. The concrete foundations should be 2 feet wider than the masonry above, *i.e.*, one foot on either side. If this be done there will be a saving of Rs. 160 in the estimate.

7. The plans and estimates should be countersigned by the President, District Board, as required by paragraph 35, chapter V of the Local Fund rules.

Ootacamund,
7th September 1894.

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

Order—dated 14th September 1894, No. 2333 W., Public Works.

The estimate amounting to Rs. 17,770, as reduced by the Chief Engineer, for constructing a Local Fund hospital at Punganúru in the North Arcot district, is sanctioned for execution by the District Board.

2. The remarks and suggestions of the Chief Engineer are approved.

3. This sanction has been registered as Local No. 10 W. of 1894-95.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with ten enclosures.
" Local and Municipal Department.

Exd. C. A. Munisawmy.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated September, 14th.

Recd. Encl.

G.O., 14th Sept. 1894, No. 2333 W.

SEPTEMBER.

Local Fund Hospital at Punganuru

Estimate of Rs. 17,770 for constructing a — in the North Arcot district, sanctioned with remarks for execution by the District Board.

No. 346/W.

Supg. Engineer's office, 4 Circle,
Coimbatore, 15th August 1894.

From,
J. nnan, Esq.,
Supg. Engineer, 4 Circle,

To,
The ief Engineer,
P.W. Dept
Department.

Sir,

I have the honor to submit for sanction of Government plans and Estimates am unting to Rs 17,800 for constructing an Hospital with Outhouses at Punganur, North Arcot District.

2. Copies of the resolutions passed by the Chittoor Taluq Board and the District Board are herewith enclosed.

I have the honor to be,
Sir,
Your most obedt. servant,
Supg. Engineer, 4 Circle.

Enclosures 6.
×3 Plans
1 File of Estimate
2 Board's Proceedings with 2 letters.

×Sent Per Packet Post.

No. 6178

From

The Supg. Engineer,
4th Circle.

Dated, 15th }
Despd. 17th } August 1894
Recd. 18-8-94

No. 346/W

Enclos: 6 10
(3 Plans)

Hospital with out houses at Punganur, North Arcot Dt.
Submitting for sanction of Government Plans & Estimate of Rs 17,800 for constg. an —

J /

O.L.S. 319
R 14/9.

Should be Rs 17770.

C.L. 6178

Note by the Chief Engineer P.W.D:—

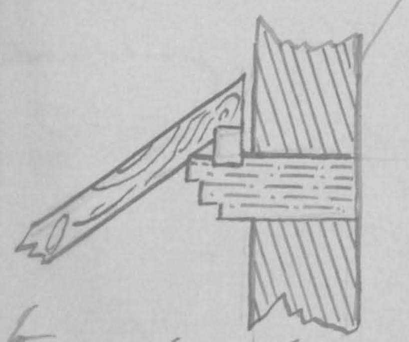
2P

The Chief Engineer offers the following remarks on the plan and estimate, submitted by the Supdg. Engineer IV Circle for constructing a Local Fund hospital at Punganur in the North Arcot District.

2. The amount of the estimate is given as Rs 17,800 but has been altered to Rs 17,700 owing to errors in calculation. ¶3. No site plan has been submitted, and there is nothing to shew that the requirements of para 39 Chap. VII P.W. Code have been attended to. This is a matter which should receive attention before the building is commenced

4. No provision has been made for uprights to the ridge ventilators in wards and the ridge beam over the ventilator as shewn in the plan is not required.

5. Instead of supporting the verandah rafters partly on bressummers carried on masonry pillars and partly on wall plates let into the wall, a wall purlin should be provided for the whole length of the verandah, carried on stone corbels let into the wall as shewn in the following diagram



6. The foundations should be of concrete throughout to ground level instead of concrete and rubble masonry as provided in the estimate. The concrete foundations should be 2 feet wider than the masonry above, i.e. one foot on either side. If this be done there will be a saving of Rs 160 in the estimate.

6. The plans and estimates should be countersigned by the President District Board as required by para 35 Chap. V of the Local Fund Rules.

7.9

Ootacamund
September 7th 1894

Ro. 2333 W. d/ 14 Septr 1894 **PUBLIC WORKS DEPARTMENT.**

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the S. E. IV Circle (H. E. No. 346 W d/ 15/8/94)
Note by the Chief Engr. P. W. D. (" d/ 7/8/94)

3 Pm

The estimate amounting to Rs 17770, as reduced by the Chief Engineer, for constructing a Local Fund hospital at Punganur in the North Arcot District is sanctioned for execution by the District Board.

W
12 Sep

2. The remarks and suggestions of the Chief Engineer are approved.

3. This sanction has been registered as Local No 10 W of 1894.95.

DESPATCHED
27 SEP. 94

S. E. IV Circle with 10 enclos.
Local & Munl dept

(40—1,000—22-2-94.)

Estimate for constructing
a L. F. hospital at
Punganur - N. Arcot Dt

The Hon. the Dail Secy
for favour of countersignature

T Ano
BCM

OLS 319
[illegible]

4

CM No 619 D

Govt. of (1894) Madras.

PUBLIC WORKS.

Dated 17-5-94

Recd. 18-5-94 Encl.

G.O., 14/9 1894. No. 2333W

Local Fund hospital at Pungaanur

Estimate of Rs 17,770 for constg: a — in the North Arcot Dt, sanctioned with remarks for execution by the District Board.

Sent to Drawing Branch 17/9

14/9

T.C.C. 14/9

90/IV

19—2,000—93.

CP No. 61/9

Govt. of {1894 Madras.
PUBLIC WORKS.

Dated [illegible] 17-5-94 [illegible] 16-5-94

Recd. Encl.

G.O., 14/9 1894 No. 2333W

Local Fund hospital at Punganur

Estimate of Rs 17,770 for constg: a — in the North Arcot Dt, sanctioned with remarks for execution by the District Board.

Sent to Drawing [illegible] 19/9

14/9

T.C.C. 14/9

90/IX

19—2,000—93.

Consulting

4

Estimate for [illegible]
a L. F. hospital at
Punganur - N. Arcot Dt.

The Hon. the [illegible] Secy
[illegible]

T [illegible]
BCm

O.L. 319
C.7.12
9.12 11/12

Consulting

No. 2333 W. d/ 14 Septr 1894 **PUBLIC WORKS DEPARTMENT.**

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the S.E. IV Circle (H.E. No. 3460 W d/ 15/8/94)
Note by the Chief Eng. P.W.D (d/ 7/9/94)

3 Pm

W
12 Sep

The estimate amounting to Rs 17770, as reduced by the Chief Engineer, for constructing a Local Fund hospital at Pungannur in the North Arcot District is sanctioned for execution by the District Board.

2. The remarks and suggestions of the Chief Engineer are approved.

3. This sanction has been registered as Local No. 10 W of 1894.95.

DESPATCHED
27 SEP. 94

S.E. IV Circle with 10 enclos.
Local & Mul dept

8.9.94

15/9/94

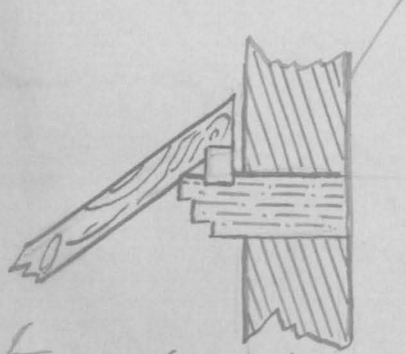
(40—1,000—22-2-94.)

In rear of the centre block or
Consulting

No. 6178

4. No provision has been made for uprights to the ridge ventilators in wards and the ridge beam over the ventilator as shewn in the plan is not required.

5. Instead of supporting the verandah rafters partly on bressummers carried on masonry pillars and partly on wall plates let into the wall, a wall purlin should be provided for the whole length of the verandah, carried on stone corbels let into the wall as shewn in the following diagram



5. The foundations should be of concrete throughout to ground level instead of concrete and pebble masonry as provided in the estimate. The concrete foundations should be 2 feet wider than the masonry above, i.e. one foot on either side. If this be done there will be a saving of Rs 160 in the estimate.

6. The plans and estimates should be countersigned by the President District Board as required by para 35 Chap. V of the Local Fund Rules.

S

Ew. 7.9

C.N.S.S
6/54

Ootacamund
September 7th 1894

(40—1,000—22-2-94.)

1018/94
C.N.S.S
6/354

Note by the Chief Engineer P.W.D:—

The Chief Engineer offers the following remarks on the plan and estimate submitted by the Supdg Engineer IV Circle for constructing a Local Fund hospital at Pungaaur in the North Arcot District.

2. The amount of the estimate is given as Rs 17,800 but has been altered to Rs 17,700 owing to errors in calculation.

Should be Rs 17770.

3. No site plan has been submitted, and there is nothing to shew that the requirements of para 39 Chap. VII P.W. Code have been attended to. This is a matter which should receive attention before the building is commenced

(40—1,000—22-2-94.)

No. 6178

From

The Supg. Engineer,
4th Circle.

Dated 15th } August 1894
Despd. 17th }
Recd: 18-8-94

No. 346/W

Enclos: 6/10
(3 Plans)

Hospital with out houses
at Punganur, North Arcot Dt.
Submitting for sanction
of Government Plans & Estimate
of Rs 17,800 for constg. an—

J

O.L.S. 319
R 14/9.

C.No. 6178 – obs.

C.M.W.
This estimate ~~sho~~ may be
sanctioned: but attention
should be drawn to
remarks of the Chief Engineer
which may be drafted
from T's notes as approved
[illegible]
C.W.S.
6/9/94

[illegible] — [illegible] 158

No. 346
W.

Supg. Engineer's office, 4 Circle,
Coimbatore, 15th August 1894.

From,

J. Hannan, Esq.,
Supg. Engineer, 4 Circle,

To,

The Chief Engineer,
P.W. Department.

1 Rem

Sir,

Enclosures 6.
× 3 Plans
1 File of Estimate
2 Board's Proceedings with 2 letters.

× Sent Per Packet Post

I have the honor to submit for sanction of Government plans and Estimates amounting to Rs 17,800 for constructing an Hospital with Outhouses at Punganur, North Arcot District.

2. Copies of the resolutions passed by the Chittoor Taluq Board and the District Board are herewith enclosed.

I have the honor to be,
Sir,
Your most obedt. servant,
J Hannan
Supg. Engineer, 4 Circle.

Brought forward — saving Rs 158

Cook house:

Concrete in lieu of rough stone –
walls all round ——— 1 × 66.00 × 4.0 × 1.5 = 396
– do – cross wall ——— 1 × 10.50 × 3.5 × 1.5 = 55
Total cft of concrete ——— 451.

= As proposed =
451 cft of concrete at Rs 8-4-0 per 100 — = Rs 37
451 cft of excavation at Rs 3-0-0 – do – 1000 = 1
Total ——— Rs 38.

As estimated.
Rough stone foundation ——— Rs 30
Excavation of foundation ——— 1
Total ——— Rs 31.
Difference ——— Rs 7.

Saving by the use of concrete throughout for main building 158.
Deduct excess — do — for cook house — 7
Difference Rs 151
add 7½% for contingencies & petty supt. say Rs 9

Total saving by the using concrete throughout for foundations of main building & cook house Rs 160

Note – the width of concrete foundation has been made 2 feet wider than the masonry above, i.e. one foot on either side [illegible]

29.VIII.94.

Dw

For orders

Ex

29.8.94

In rear of the centre block or consulting

14th September 1894, No. 2333 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 15th August 1894, No. 346 W.

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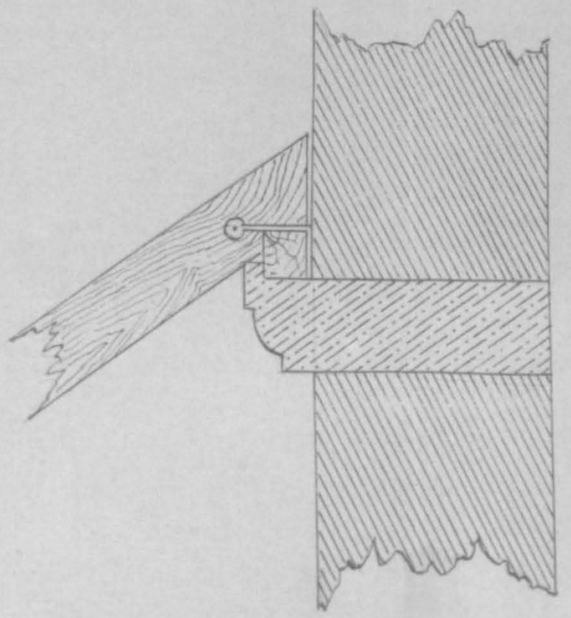
4. No provision has been made for uprights to the ridge ventilators in wards and the ridge beam over the ventilator as shown in the plan is not required.

5. Instead of supporting the verandah rafters partly on bressummers carried on masonry pillars and partly on wall plates let into the wall, a wall purlin should be provided for the whole length of the verandah, carried on stone corbels let into the wall as shown in the following diagram :—



6. The foundations should be of concrete throughout to ground level instead of concrete and rubble masonry as provided in the estimate. The concrete foundations should be 2 feet wider than the masonry above, *i.e.*, one foot on either side. If this be done there will be a saving of Rs. 160 in the estimate.

7. The plans and estimates should be countersigned by the President, District Board, as required by paragraph 35, chapter V of the Local Fund rules.

OOTACAMUND,
7th September 1894.

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

ORDER—dated 14th September 1894, No. 2333 W., Public Works.

The estimate amounting to Rs. 17,770, as reduced by the Chief Engineer, for constructing a Local Fund hospital at Punganúru in the North Arcot district, is sanctioned for execution by the District Board.

2. The remarks and suggestions of the Chief Engineer are approved.

3. This sanction has been registered as Local No. 10 W. of 1894-95.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with ten enclosures.
„ Local and Municipal Department.

Exd. C. A. Munisawmy.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1894} Madras.
PUBLIC WORKS.

Dated September, 14th.

Recd. *Encl.*

G.O., 14th Sept. 1894, No. 2333 W.

SEPTEMBER.

Local Fund Hospital at Punganuru

Estimate of Rs. 17,770 for constructing a — in the North Arcot district, sanctioned with remarks for execution by the District Board.

G.O. 2333 W. d. 14th Septr. 1894

Public Works Department.

Current No. 6178
Letter No. 346/W
Dated 15th August 1894
From the Supg. Engineer IV Circle.

Note by Technical Section.

Name of Work Constructing an Hospital with outhouses at Punganur, North Arcot Dist.

Amount of Estimate, Rs. 17,770

Particulars of Estimate.

Main Building	Hospital	Rs. 16660
Subsidiary Buildings	Cook house	„ 470
	2 latrines	„ 640
Contingencies	2½% (Rs 210)	„ ..
Petty Supervision	5% (588)	„ ..
Land compensation		„ ..
Total Rupees ...		17,770

Particulars of Construction.

Surface soil not stated.
Sub soil Gravel.
Foundations are proposed to be laid 5 ft. deep for main walls of wards, 4 ft. for Dispensary walls & 3 feet for operating room walls. The lower 1 foot to be laid with concrete throughout & the upper portion built of rough stone in chunam in each case.
Basement is to be raised 3 feet high throughout & built of burnt stone in chunam.
Walls are to be raised as per heights shown on the plan & built of brick in chunam with flat arches over doors & windows & relieving arches over voids under tie beams.

Plastering or Pointing walls are to be plastered both interior & exterior with 2 coats of chunam except the plinth faces which will be pointed with cement.

Flooring is to be of concrete 6" thick & plastered over with ½" of Portland cement.

Roofing is to be of Mangalore tiles laid on teak reepers & [illegible] rafters to be spaced 2½ ft. apart & supported on teakwood trusses placed 10 feet apart.

Doors and Windows are to be of teakwood as per description noted in the estimate & painted with 2 coats of chocolate paint.

Roof timbers are to be of teakwood & wood-oiled 2 coats.

Scantlings are correct for a Mangalore tile roof.

Rates are fair.

The plinth area of the main building is 8523 square feet, and the cost per square foot will be Rs. 1-15-3.

The plans and estimates have been countersigned by the President Dist. Board but they ~~and~~ are approved in ~~the~~ Dist. Board Proceedings ~~Department~~. dated 28th Feby. 1894.

REMARKS.

The plans & estimates under review provide for constructing an Hospital with outhouses at Punganur in the North Arcot Dist.

The Hospital is to consist of 4 distinct blocks connected by covered ways. The centre block will consist of a dispensary & consulting room with 2 bath rooms in the verandah. On either side of the centre block connected by a covered passage 19½ ft. long & 8½ ft. wide will be a ward to contain 8 beds with a bath room in the verandah, the ward on the right for males & the other on the left for females, these wards will be provided with verandahs all round 8'6" wide.

In rear of the centre block or consulting room connected by a covered passage 12½ feet long & 8½ feet wide will be an operating room with a verandah 7 feet wide all round it.

A detached cook house consisting of 2 rooms each 8½×12' has been provided for the whole hospital and 2 galvanized iron latrines of 5 seats each, one for males & the other for females have also been provided for in the estimate.

The area of accommodation of the main building is as follows.

'Centre block'

Dispensary —— 16'0"×18'0"
Consulting room —— 16'0"×12'0"
2 verandah bath rooms each 12'6"×11'9"
verandahs all round 8'9" wide.

'Right block'

Ward for males —— 40'0"×24'0"
Bath room —— 13'6"×11'3"
verandah all round 8'6" wide.

'Left block'

Ward for females —— 40'0"×24'0"
Bath room —— 13'6"×11'3"
Verandah all round 8'6" wide.

'Rear block'

Operating room —— 12'0"×12'0"
verandah all round 7'0" wide.

The Sanitary Board in principally approving of the design made certain suggestions with regard to the ventilation of the wards & to details of construction [illegible] providing additional windows to wards, provision for examination room & Medical officers retiring room, alteration in the position of trusses & in scantlings in roof timber, omission of ridge piece in covered passage & substitution of couples &c.

The suggestions & alterations have not been carried out as the Dist. Surgeon is of opinion that the original design as submitted by the Dist. Board Engineer is suitable in every way for a place like Punganur.

No site plan accompanies the estimate, as required by para 39 Chap VII of the P.W. Code.

Site plan required
Should be provided

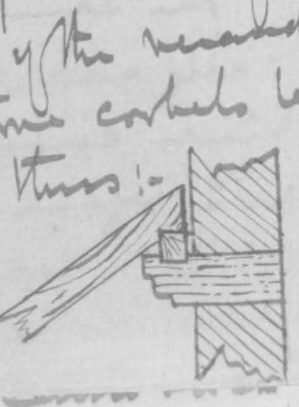
No provision has been made for uprights to ridge ventilators in wards & the necessity for a ridge beam, as shown in plan, or the ventilator is not apparent. required?

Not apparent

Er

It is submitted that instead of supporting the verandah rafters partly on bressummers carried on masonry ~~posts~~ pillars & partly on ~~[illegible]~~ wall plates let into the wall, a wall purlin may be provided for the whole length of the verandah carried on stone corbels let into the wall thus:-

Er



If

Consulting

If the foundations are to be laid with concrete throughout to ground level instead of concrete & rubble masonry as provided in the estimate, a saving of Rs 160. will be effected, vide calculation sheet attached.

Foundations the of concrete throughout

The plan & estimate may be returned to the S.E. IV Circle for resubmission after obtaining thereto the countersignature of the President Dist. Board, as required by rule 35 Chap V of the Local Fund Rules, issued with G.O. No. 741 LF dated 18th Sept 1885.

Should be countersigned before the work is [illegible]

CWM 5/9/94

Mw.
29.VIII.94

The amount of the estimate has been reduced from Rs 17,800 to Rs 17770 owing to errors in calculation in the abstract estimate.

Mw

Hospital at Punganur

Concrete foundations to ground level

Wards.	walls all round	2 × 135.00 × 4.25 × 5.00 :	3,738
	verandah walls all round	2 × 202.00 × 4.00 × 3.00 :	4,848
	bath room cross walls	4 × 4.25 × 3.50 × 3.00 :	179
	steps in front	2 × 21.00 × 5.00 × 0.50 :	105
	— D° — in rear	2 × 13.00 × 5.00 × 0.50 :	65
	— D° — side	2 × 5.00 × 5.00 × 0.50 :	25
Dispensary.	walls all round	1 × 100.50 × 4.00 × 4.00 :	1,608
	Cross wall	1 × 13.50 × 3.75 × 4.00 :	203
	verandah walls	1 × 170.50 × 4.00 × 3.00 :	2046
	bath room cross walls	4 × 5.00 × 3.50 × 3.00 :	210
	steps in front	1 × 19.00 × 5.00 × 0.50 :	48
	— D° — sides	2 × 5.00 × 5.00 × 0.50 :	25
Operating room.	walls all round	1 × 53.00 × 3.75 × 3.00 :	596
	verandah walls	1 × 104.00 × 3.75 × 3.00 :	1,170
	steps at sides	2 × 9.00 × 5.00 × 0.50 :	45
Covered way.	sides	4 × 17.50 × 3.75 × 3.00 :	788
— D° —	rear	2 × 10.50 × 3.75 × 3.00 :	236

Total cft of Concrete — 15935

Foundations as estimated:

Concrete	Rs 406
Rough stone work / excavation	" ~~982~~ 97
345 cft of burnt stone in chunam as foundations for steps, vide correction made in the item of basement, at Rs 10-8-- per 100 cft	36.
Total as estimated	Rs ~~1424~~ 1,521

Foundations as proposed of Concrete throughout:

15935 cft of concrete at 8-4-- per 100	Rs 1315
15935 cft of excavation at 3-..- per 1000	" 48
Total as proposed	Rs 1363

Total saving by using concrete Rs 158

P. T. O.