



22ND NOVEMBER 1893, No. 3023 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.  
Civil Works.

Read—the following papers:—

Proceedings of the Sanitary Board, dated 6th October 1893, No. 18.

Read—endorsement of the President, District Board, North Arcot, on letter No. 106, dated 22nd August 1893, from the President, Taluk Board, Ramipett, re-submitting plans and estimate for the construction of a lying-in hospital at Tirupati.

Read—Resolution of the Sanitary Board, No. 17, dated 15th ultimo, approving the revised plans and estimate.

Resolution—At the request of the President, District Board, North Arcot, the Board begs to submit, for the sanction of Government, the accompanying revised plans and estimate for the construction of a lying-in hospital at Tirupati.

2. A copy of the Board's Proceedings, dated 15th September 1893, No. 17, approving the plans and estimate is herewith forwarded for information.

(Signed) W. G. KING, Surgn.-Major,  
Ag. Sany. Commr. for Madras.

(Signed) J. A. JONES,  
Sanitary Engineer to Government.

No. 769, Local and Municipal.  
Transferred to the Public Works Department.

FORT ST. GEORGE,  
23rd October 1893.

(Signed) A. T. PRINGLE,  
Assistant Secretary.

No. 3463 C.

Forwarded to the Superintending Engineer, IV Circle, for scrutiny and return.

(Signed) J. HANNAN,  
Ag. Chief Engineer, P.W.D.

26th October 1893.

From Lieutenant-Colonel A. W. SMART, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 4th November 1893, No. 441 W.:—

[Reference—No. 3463 C., dated 26th October 1893.]

I have the honour to return the plans and estimate of a lying-in hospital to be built at Tirupati after scrutiny. The rates allowed appear to be suitable.

ORDER—dated 22nd November 1893, No. 3023 W., Public Works.

The estimate, amounting to Rs. 9,200, for constructing a lying-in hospital at Tirupati in the North Arcot district is sanctioned.

2. This sanction has been registered as Local No. 29 W. of 1893-94.

(True Extract.)

Major, R.E.,  
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.

„ Local and Municipal Department.

with plans and estimate (13).

Editors' Table.

BUILDINGS AND ROADS.  
CIVIL WORKS.

Gobt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 22nd.

Recd.

Encl.

G.O., 22nd Nov. 1893, No. 3023 W.

NOVEMBER.

Lying-in Hospital

Estimate of Rs. 9,200 for constructing a  
— at Tirupati in North Arcot district,  
sanctioned.

Public Works Department.

Current No. 9485

Letter No. 441

Dated 22nd November 1893

From the Super Engineer, IV Circle.

TECHNICAL NOTE.

Name of Work Constructing Lying-in Hospital  
with out-houses at Tirupati, North Arcot District.

Amount of Estimate, Rs. 9200

PARTICULARS OF ESTIMATE.

|                      |                                         |          |
|----------------------|-----------------------------------------|----------|
| Main Building        | Lying-in Hospital                       | Rs. 8200 |
| Subsidiary Buildings | Two Cook rooms                          | 680      |
|                      | Latrine                                 | 320      |
| Contingencies        | 2 1/2 %                                 | "        |
| Petty Supervision    | Monthly for 2 yrs<br>at 15 Rs per month | "        |
| Land compensation    |                                         | "        |

Total Rupees 9200

PARTICULARS OF CONSTRUCTION.

Surface soil Gravel.  
Sub soil Hard gravel.  
Foundations about 3 feet deep &  
built of rough stone in chunnam.  
Basement is to be raised 2 1/2 feet high &  
built of burnt stone in chunnam.  
Walls of the ordinary wards are to be raised  
13 1/2 feet high & that of the high caste  
wards 12 1/2 feet high & built of brick  
in chunnam with flat archwork over  
doors & windows.

Plastering or Pointing <sup>with the interior & exterior</sup>  
faces of walls are to be plastered with 2  
coats of chunnam.

Flooring is to be of stone, gully concrete 6 inches  
thick & plastered with 1/2" portland cement.

Roofing is to be of slate & pan tiles laid over  
ceals rafters &c. complete.

Doors and Windows are to be of teakwood doors  
1/3 panel & 2/3 venetian & windows  
fully venetian.

Roof timbers are to be of teakwood & moduli  
& ceals  
Scantlings are correct.

Rates are fair except for a few items, as  
per remarks below.

The plinth area of the main building is  
4,267 square feet, and the cost per square  
foot will be Rs. 16.9.

The plans and estimates have been countersigned  
by the President of the Board  
and approved in the District Board  
Department dated 31st August 1893.

REMARKS.

With reference to this office W. 3403  
dated 26th October 1893, the Super Engineer  
of Circle recommends the plans & estimates  
for constructing a lying-in. Hos-  
pital with out houses at Turpatti in  
the North West District duly examined  
& approved.

The plans & estimate provide for  
constructing two lying-in. wards, one  
for Caste patients & the other for or-  
dinary patients. The Caste patients  
ward is to consist of one lying-in. room  
16' x 12' to accommodate 4 beds & a  
labor ward 10' x 12' with bath & stove  
rooms in the verandah. The ordin-  
ary ward is to consist of one lying-  
in. room 22' x 16' to accommodate  
6 beds & a labor ward 10' x 16' with  
bath

3013  
bath & medicine room in the ward.  
These two wards are to be connected  
by a covered passage 19' 6" long &  
wide in the clear as per plan.

Provision has been made for  
constructing two detached cook  
rooms each 12' x 10' & one com-  
-modated in latrine of 5 seats on  
the Cranford principle.

The estimate provides for con-  
-structing the roof of the ordinary  
ward on 3 trusses & that of the  
Caste ward on rafters with  
double cotton pieces. The trusses  
in the ordinary ward are placed  
as an to come over voids in the  
lying-in. room (as marked in  
plan) & one truss is placed  
very near the partition wall  
in order to support the hips  
which appears to be awkward.  
It is submitted that as the span  
of the roof is only 16 feet, the roof  
may be carried on double cotton  
pieces with safely similar  
to the high caste ward.

The verandah pillars are only  
6 feet high to the bottom of brasses.  
-ness, this height appears to be  
rather too low, especially for a  
Hospital & as there are no ways  
of increasing this height except  
by raising the main walls, it  
is submitted that the floor of  
the verandah may be reduced  
in height by 6 inches in order  
to give more headway of at least

ms 00 n m

The roof of the ground way is supposed to be carried on a simple truss, with the bottom of the tie beams 6 feet above floor level which appears to be objectionable in this case, also the roof may be carried on couples with single collar piece.

The ridge ventilator is proposed to be carried on 3 uprights resting on the main roof rafters as per detailed working drawing. It is submitted that a safer & better method would be to carry this roof by slings taking every 3rd rafter of the main roof truss.

The wind trap at the angle of the principal rafters with the tie beam as shown in the detailed drawing does not appear to be safe, it might be fixed as sketched in perspective.

The design for the kitchen does not appear to be suitable, the cooking fire place is on the ordinary kitchen system with a dormer ventilator in the roof to carry away the smoke. It is thought that an arched fire place with a chimney stack would be better.

The following notes are slightly in excess of the original scheme.

### Schedule:

Woods 1/2 pound & 2/3 ventilation 1-8-0 against 1-6-0  
 Working roof timbers 1-5-0 do 1-4-0  
 Working iron work - 2-4-0 do 2-3-0  
 Whitewashing & work - 3-0-0 do 2-2-0  
 If schedule rates be adopted the saving will be Rs 105.

Ms.

13. XI. 93

The Sanit. W. has passed the Bill after having returned it once for revision. The design might be improved - at an increased cost - but funds are not available, & the Bill as proposed may be sanctioned.

N<sup>o</sup> 441  
W

From

Col. A. W. Smart R.E.,  
 Superintending Engineer,  
 Fourth Circle

To

The Chief Engineer,  
 Public Works Department.

Reference N<sup>o</sup> 3463C dated 26<sup>th</sup> October 1893.

Enclosures 13.

Sir,

3. Plans
- 1 Detail plan of trusses & king posts.
- 1 Estimate with abstract amounting to Rs 9200.
- 1 Report
- 1 Specification
- 1 Proc of the Ranipet Tqn Board
- 1 Rs of the Dist. Board
- 1 Letter of the Dist. Board Dgls
- 1 Rs of Ranipet Tqn Board
- 1 Proceedings of the Sanitary Board office to the Dist. Board.
- 1 Letter to the Chief Secy. to Govt.
- 1 Local & Mun. Dept. bearing Chief Engr's Encl N<sup>o</sup> 3463C of 26<sup>th</sup> Oct 1893.

I have the honor to return the Plans and Estimate of a Dying-in-Hospital to be built at Tirupati after scrutiny. The rates allowed appear to be suitable.

I have the honor to be,

Sir,

Your most obed<sup>t</sup> Serv<sup>t</sup>,

Asst. Engr. A. W. Smart R.E.,  
 Superintending Engineer, IV Circle.

893.

No 3023. Wd 22 Nov. 1893

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2013/ B. P. B.  
Read the following

Pro. of the Sanitary Board No: 18 d/ 6 Oct. 1893  
 Endorsed. Thereon in the S. E. Circle No. 769 d/ 23 --  
 From the S. E. IV Circle No: 441 W d/ 4 Nov. 1893

The estimate, amounting  
 to Rs. 9200, for constructing  
 a lying-in Hospital at  
 Tirupati in the N. Arcot  
 District, is sanctioned.

2. This sanction has been  
 registered as Local  
 No. 29 W of 1893-94

Note: This proposal is placed  
 in the G.O. order Editor's  
 Table

DESPATCHED  
 4 DEC. 93

9. The S. E. IV Circle  
 Local and Mump. Dept.  
 with plan of lotinal 13  
 Editor's Table

2023/10/1  
Government of Madras  
Sanitary Board Office.  
Department of General Sanitation and Sanitary  
Engineering.

Surgeon-Major W. G. King M.B. Ch., D.P.H.  
by Sanitary Commissioner-Madras  
J. A. Jones Esq. M.B. Ch., F.R.S.E.  
Sanitary Engineer to Government

Proceedings of the Sanitary Board No 18  
dated 6<sup>th</sup> October 1893.

Read endorsement of the President  
District Board, North Arcot, on letter, No 106  
dated 22<sup>nd</sup> August 1893, from the President  
Taluk Board, Raniipett, re-submitting  
plans and estimate for the construction  
of Lying-in Hospital at Timpetti.

Read also Resolution of the Sanitary  
Board, No 17 dated 15<sup>th</sup> ultimo, approving  
the revised plans and estimate.

Resolution. At the request of the  
President District Board, North Arcot,  
the Board begs to submit for the  
sanction of Government the accompanying  
revised

revised plans and estimate for the  
construction of a Sympy-in Hospital at  
Timpah.

2. A copy of the Board's Proceedings,  
dated 15<sup>th</sup> September 1893, No. 17, approving  
the plans and estimate is herewith for-  
warded for information.



W. H. Jones.

Surgeon Major

Hy Sanitary Commissioner  
for Madras

H. Jones

Sanitary Engineer  
to Government

To  
The Chief Secretary to Govt  
Local & Municipal Dept.  
with original papers to be returned.

CW 9485

6-8-25/11 ✓

Govt. of Madras.  
PUBLIC WORKS.

24/11/11

22<sup>nd</sup> Nov 3. 3023 W

Liquid - in Hospital

Estimate of Rs 900  
for constructing  
a — at Prapat  
in N. Arcot SD  
sanctioned.

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